
nicros

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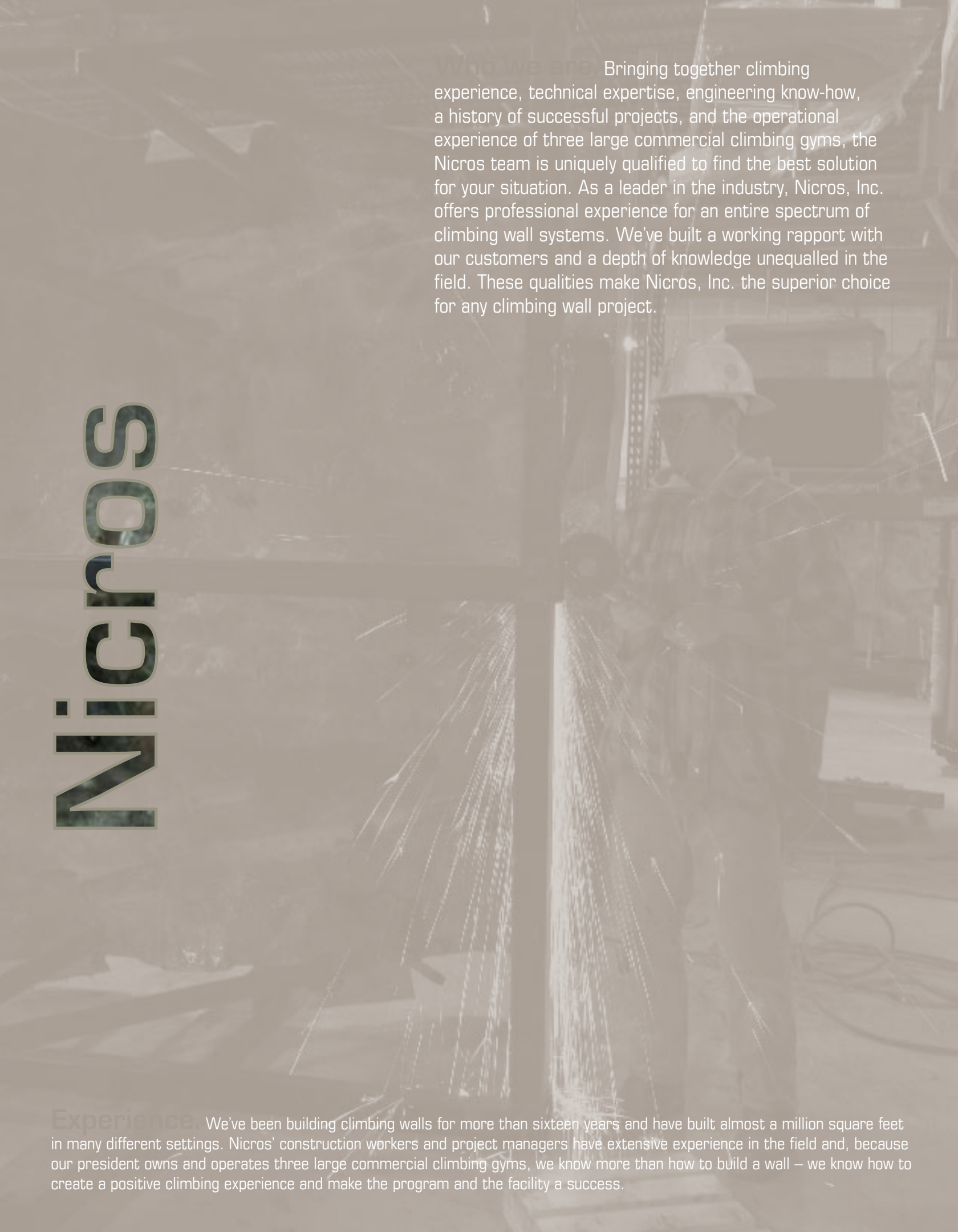


Nicros

Who we are

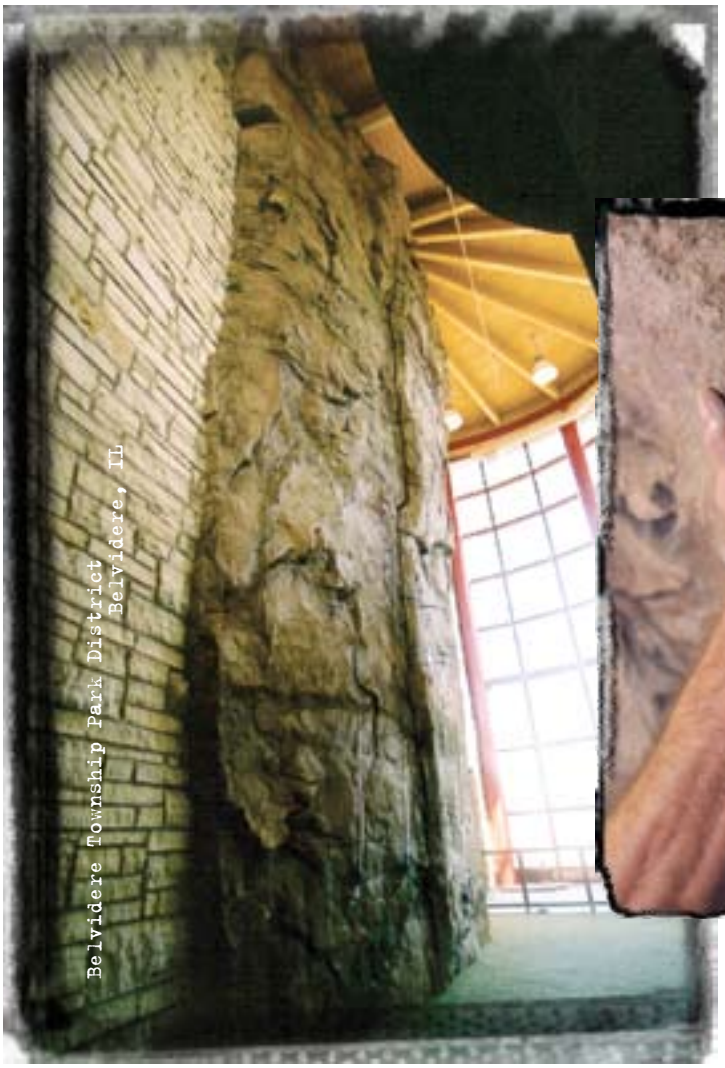
Bringing together climbing experience, technical expertise, engineering know-how, a history of successful projects, and the operational experience of three large commercial climbing gyms, the Nicros team is uniquely qualified to find the best solution for your situation. As a leader in the industry, Nicros, Inc. offers professional experience for an entire spectrum of climbing wall systems. We've built a working rapport with our customers and a depth of knowledge unequalled in the field. These qualities make Nicros, Inc. the superior choice for any climbing wall project.

Experience

We've been building climbing walls for more than sixteen years and have built almost a million square feet in many different settings. Nicros' construction workers and project managers have extensive experience in the field and, because our president owns and operates three large commercial climbing gyms, we know more than how to build a wall – we know how to create a positive climbing experience and make the program and the facility a success.

Products. Nicros offers nine different climbing wall systems to fit any need or budget as well as more than 1,500 different handhold shapes and training tools. Nicros has the most extensive line of climbing wall products available in the U.S. and also offers training programs for climbing wall operations including risk management and routesetting.

Quality. At Nicros, our philosophy is to produce the finest quality products and provide the best customer service to all our customers, all of the time. Our quality is measured not only through climbing wall inspections and handhold strength testing but through the return business we receive from our loyal customers.


Belvidere Township Park District
Belvidere, IL

Reliability. Nicros has been in business for almost two decades and our customers know that they can call whenever they have a question. We will take care of them promptly and professionally. This is especially important in a young industry that is constantly changing, where companies come and go on a regular basis.

Service. Nicros is proud of our customer service and personal touch. Nicros' employees are exceptionally personable and have extensive experience in rock climbing and climbing wall construction.

Value. Nicros' experience combined with dedication to quality, service, innovation and reliability make our products the best value in the business.

Handhold Innovation. Nicros pioneered many of the standards common to the industry today:

- Creating swirly color patterns on handholds
- Hollow Backs on large holds (reduces weight)
- Putting our logo on the inside of hollow back surfaces
- Diff-Tex™ (different climbing hold textures)
- Versa-Centers™ (accepts flathead and capscrew bolts)
- Replicates™ (shapes molded from real rock)
- Extreme Hold Technology™ (patent pending) which further reduces handhold weight and material on very large holds

Climbing Wall Innovation. Nicros introduced decorative, realistic rock climbing wall systems to the climbing industry in 1994, now called A.R.T.Wall™. We further innovated this product with circular flat disks at the bolt hole location using heavy duty couplers for T-Nuts. An innovation was made to our WestCoast™ Walls (textured plywood climbing wall system) which we call the FrameFree™ (patent pending) system. This innovation has helped us save materials, time, and money. Nicros began shaping rock-like panels (Nicros-EasyWall™), now common in the industry. GymWall™ was introduced in 2007 as the only custom-built plywood climbing wall product that is pre-built off-site.

Passion. Passion is what drives Nicros and its employees to be the best in the wall and handhold industry. Nicros staff has more than 100 years of combined climbing experience and the staff knows that without passion, Nicros wouldn't be what it is today.

Schematic Design Phase and Planning.

Our quoting process is extensive, designed to give you a realistic picture of the entire project. Before we create a design or finalize costs, we attempt to learn as much relevant information as possible about our customers.

Factors we consider include:

- Programming -- From competitions to climbing parties, the activities your facility offers are inextricably intertwined with the demands of your climbing facility's design

- Operations -- From the features and shape of the wall to the type and number of top anchors needed, operations impact the design of a climbing wall

- Safety requirements -- There are many safety concerns that can affect the design of a climbing wall and we look at ways to minimize risk with the design

- Your budget -- Possible options for maximizing resources

- Space constraints -- We exploit the physical possibilities and limitations of your facility while accounting for swing radius and safety zones

- Profiles of your potential climbers -- Anything from veteran climbers looking for ongoing challenging training to new climbers trying the sport for the first time

- Climbing wall accessories -- From landing surfaces and auto belays to climbing operations gear and additional handholds, we offer it all

- Location and Access -- Including the best place to put the wall to show it off as a centerpiece of the facility while at the same time addressing controlled access and closure issues

- Engineering -- Everything from the availability of structural drawings to the load-bearing capacity of the existing wall

- Training -- Nicros interactive training program addresses the main topics related to the operation of a successful climbing program and the maintenance of a wall at any facility

- Concerns and suggestions -- We listen to the unique questions and concerns of all the decision-makers involved in your project

Contract Phase.

A climbing wall is typically contracted using Nicros' contract document. For large projects, Nicros is sometimes a Sub-Contractor working for a General Contractor. In these situations, a contract review process is necessary.

Things that must be considered and addressed during the contract phase:

- Permits
- Contractor License
- Insurance Review
- Special Bonds
- Special Issues such as prevailing wages, union labor, wind loads on outdoor walls, construction in seismic zones, etc.

The quote document will be converted into a specifications document which will be attached to the final contract and outlines the project details. It discusses the project schedule and construction methods and specifically outlines what is included in the final contract.

From Models To Finished Projects

Design Development Phase.

Once the initial information about your project is obtained and the contract is secured, the design phase will begin. It is important to understand the needs and wants of every person involved in the project. Oftentimes, the needs of a climbing facility differ for the climbers, architects, and instructors. It is our job to make sure that each individual's needs are considered within the constraints of the space while working toward a common goal.

Cad Drawing

Finished Project

Nysmith School for the Gifted Herndon, VA

Finished Project

Oberlin College Oberlin, OH

Depending on the project, the design is either rendered with foam-core models, clay models, or CAD drawings and digital flythroughs. See examples on this page. Note the similarity to the model.

At the end of the design phase, final approval by the customer or architect is given and the scheduling, coordinating, and site prep begins.

Foam Core Model

"Nicros responds to client needs with custom and creative design solutions, they are easy to work with and are passionate about what they do. Perhaps most importantly, they respect the project budget!"
-- Janet L. Jordan, CPRP
Sports and Recreation Specialist, Moody Nolan, Inc.

Stephen F. Austin State University Nacagdoches, TX

Finished Project

Clay Model

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A.R.T.Wall™

"Our climbing wall has opened up new avenues for students to recreate on our campus. We are serving students who would ordinarily not be regular users of our facility. A.R.T.Wall™ provides a more realistic sense of climbing rock, while presenting the climber with 'natural' alternatives for holds. It enables our students to have more variations for routes, more challenges, and more opportunity for growth, mentally and physically."

-Judy Stromayer
Director of Recreation
St. Olaf College
Northfield, Minnesota

What is A.R.T.Wall™?

A.R.T.Wall™ looks impressive and realistic because the castings are actually molded from real rock. A.R.T.Wall™ is made from glass fiber reinforced concrete and looks and feels so much like real rock that it is hard to tell the difference. Once the wall is constructed, our crew hand-sculpts micro-features in the areas between the castings, helping to tie together larger features across the wall.

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Nicros introduced A.R.T.Wall™, the premium climbing wall system, to the climbing industry in 1994. We were the first to utilize a decorative real rock system that incorporates all of the advantages of using modular handholds. For more than fifteen years, we have made many changes and improvements and continue to offer a truly superior product. A.R.T.Wall™ is the premium climbing wall system, creating the most realistic climbing experience currently available. It not only looks like real rock, it climbs like it as well!

How it's built.

Steel and GFRC Castings.

Upon completion of the design and engineering, a steel frame is erected and the Glass Fiber Reinforced Concrete (GFRC) castings are lifted into place and attached to the frame via secondary steel that is welded to the primary steel frame. Castings are typically six to seven feet wide and six to seven feet tall and can be oriented in any direction by our artisans to create the desired effect or climbing difficulty.

Lathe.

Once all the castings are attached to the frame, metal lathe is installed to tie the panels together. Castings are placed with care to line up longer features, such as cracks, to mimic the natural rock look. Once all the castings are in place and are tied together, the embossing process begins.

Features.

Notice the crack feature on the right side of the climbing wall. The three castings were carefully placed at angles to continue the crack from one section of the wall to the next.

Two coats of concrete are applied – a base coat and an emboss coat. Embossing closes the gaps between the adjacent panels. This is the point at which any cracks or features are created. The wall takes on a look that mimics what only Mother Nature can achieve.

Embossing. Embossing helps to blend the different castings together, providing a uniform look to the wall. Once the wall is embossed and cleaned, modifications can be made to the background surface to make climbing on the naturals easier or harder.

Tinting.

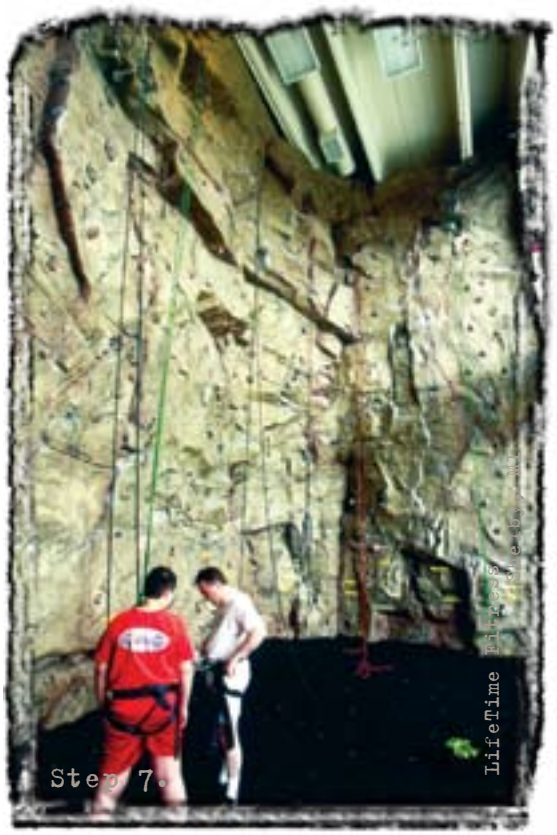
After the modifications are complete, the wall is then tinted to simulate shades of real rock. The handholds can be tinted to match the colors of the wall to keep with the real-rock look.

Turn-Key Systems.

Finally, the top rope stations, handholds, and landing surface are installed. After a final inspection, the wall is ready for use.


Step 5.


Step 6.



Step 7.

Final Product.

On traditional plywood walls, if short people can not reach the next handhold, they are out of luck. Natural features serve as intermediates to get a climber to the next hold and as tools to sharpen every climber's footwork, strategy, and route finding skills. With most climbing wall systems, all features protrude from the climbing surface. On real rock, many of the features a climber encounters are recessed into the surface. With A.R.T.Wall™, climbing is very much like climbing outdoors, because the surface is covered with intermediate features which are exact replicates of natural features. This eliminates point-to-point climbing which puts shorter people at a disadvantage.

"Nicros finished construction on our 39' free standing monolith a couple of months ago and we are chomping at the bit to play with it! The construction crew did a wonderful job demonstrating endless patience, boundless creativity and stalwart perseverance. Their ability and desire to incorporate feedback and their vision to guide us through the process was very much appreciated. In all, not only did Nicros create an incredible piece of art, with natural features galore, but they did so with a construction process that included us, the client, as a valued part of the process."

--Michael Maningas, Stephen F. Austin State University
Nacogdoches, TX

What makes Nicros A.R.T.Wall™ the premium system?

• Versatility. Not only can you climb on features that are as realistic as real rock but you can also climb on modular handholds.

• Special handhold attachment disks. The flat circular areas are perpendicular to the handhold attachment bolt, thereby eliminating the all-to-common problem of handholds not sitting properly.

• Durability. Not only is A.R.T.Wall™ great indoors, but since it's made of a polymer concrete, it can withstand the effects of weather for many years to come.

• Appearance.

Visually stunning, A.R.T.Wall™ is the only climbing wall system that truly looks like real rock.

• Feel.

Since A.R.T.Wall™ is made of concrete, it has that cool-to-the-touch, rock-like feel. In addition, the framework is so solid that there is no bending or flexing of the surface which is common with other systems.

• Customizable look.

A.R.T.Wall™ can be tinted to achieve a number of desired effects (for example, tinted to match local rock).

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• Features.

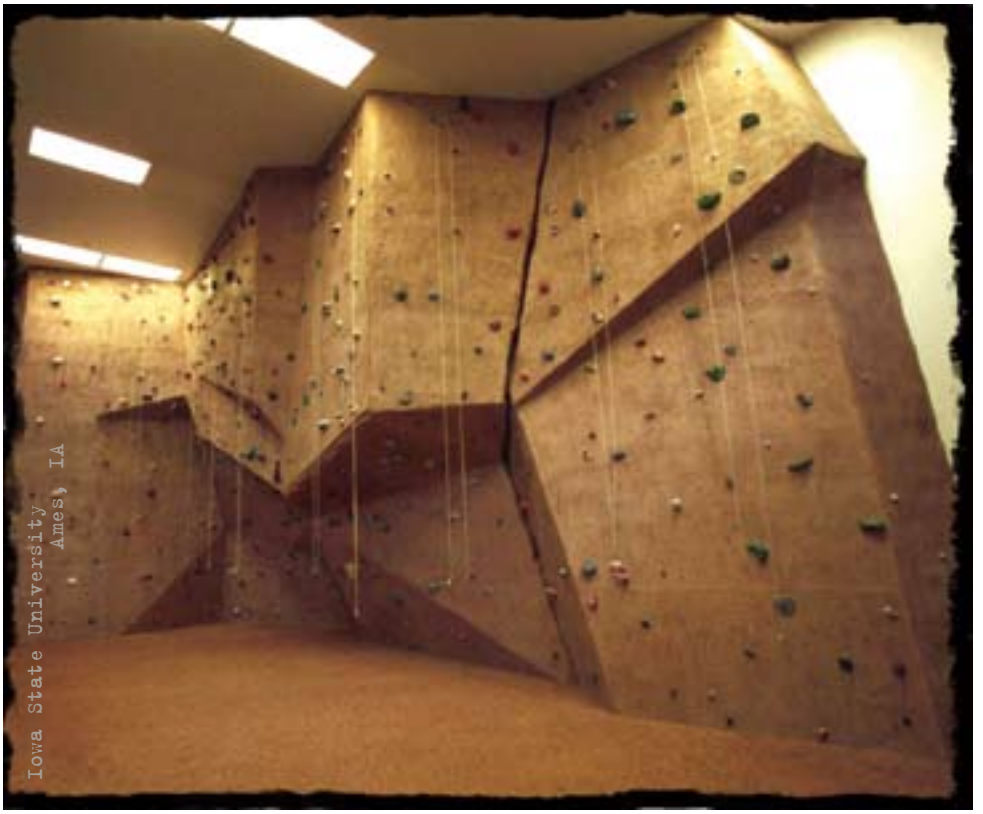
Cracks, huecos, pockets, dihedrals, roofs. This style of climbing wall offers features that are both positive and negative to the climbing plane.

WestCoast™

"The wall is very popular and it gets a big reaction the first time people see it."
– Ron Reinke, City of Livonia Recreation Center

What is WestCoast™?

WestCoast™ walls may look like other climbing walls, but at Nicros we take pride in the improvements we've made to this time-tested system. The challenge is to provide an aesthetic, fun and functional climbing wall that still fits into your project budget. WestCoast™ climbing walls use Nicros' patent pending FrameFree™ construction as the steel sub-structure of the wall. The climbing portion of the wall consists of plywood containing standard T-Nuts. The "climbing face" of WestCoast™ is covered with a special cementitious coating. The design of a WestCoast™ wall can range from fairly simple, with few plane breaks, to highly complex. Nicros' standard texture (Nicrotex-Premium™) contains numerous rock-like micro-features that still results in a flat surface. This is critical to the proper attachment of handholds since irregularities in the surface may cause problems with holds spinning or possibly breaking. This texture can also be built up to create macro-features such as huecos, pockets, cracks and dikes. We can even incorporate macro-features, such as company logos or large sections of pockets, into WestCoast™ projects.



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How It's Built.

• FrameFree™. Regardless of the design, most WestCoast™ walls start with a primary steel frame. This frame is engineered to transfer the climbing loads to the floor and/or to the adjacent walls. The primary frame is normally constructed by raising columns of wide flange steel and welding horizontal cross members of tube steel to the wide flange. This also allows an easily accessible space behind the wall for standard inspections, and makes it possible for the climbing wall to be mostly independent of the building. Nicros uses a patent pending FrameFreeTM system to minimize steel which reduces cost.

• Steel. In the example shown, the existing wall was sufficiently reinforced so that the primary steel frame could be attached directly to the existing wall instead of being welded to wide flange steel columns. This decreases material costs and allows for greater flexibility for the engineering process.

• Plywood. The plywood is laid out, measured, and cut either in the field or prefabricated in Nicros' shop and delivered to the site. Each sheet is raised and secured in place with straps as tie plates are installed and screwed in to the next section. The plywood is actually put in place before all the secondary struts are installed. Once the plywood is positioned and distances out from the wall are verified, each piece is then bolted to a clip which is welded to a strut attached back to the primary steel.

• Cracks And Lead Anchors. Cracks and lead anchors are marked on the surface of the sheathing and cut out. Careful attention is required to ensure that there are no secondary struts where these cuts will be made.

• Reinforce. Once all of the panels are positioned, the entire wall is fortified and reinforced. Any lead and top anchors are installed, each being welded back to the primary steel with three points of contact.

• Lathe. While the previous steps are the most critical from a construction and safety standpoint, the next steps determine the final aesthetics of the climbing wall. The entire face of the climbing wall is covered in lathe which is tacked to the surface of the plywood.


Step 5.

• Features. A special polymer re-inforced concrete is mixed and applied at the location of all of the features. The rock-like relief is carved out of the concrete and added to the wall.

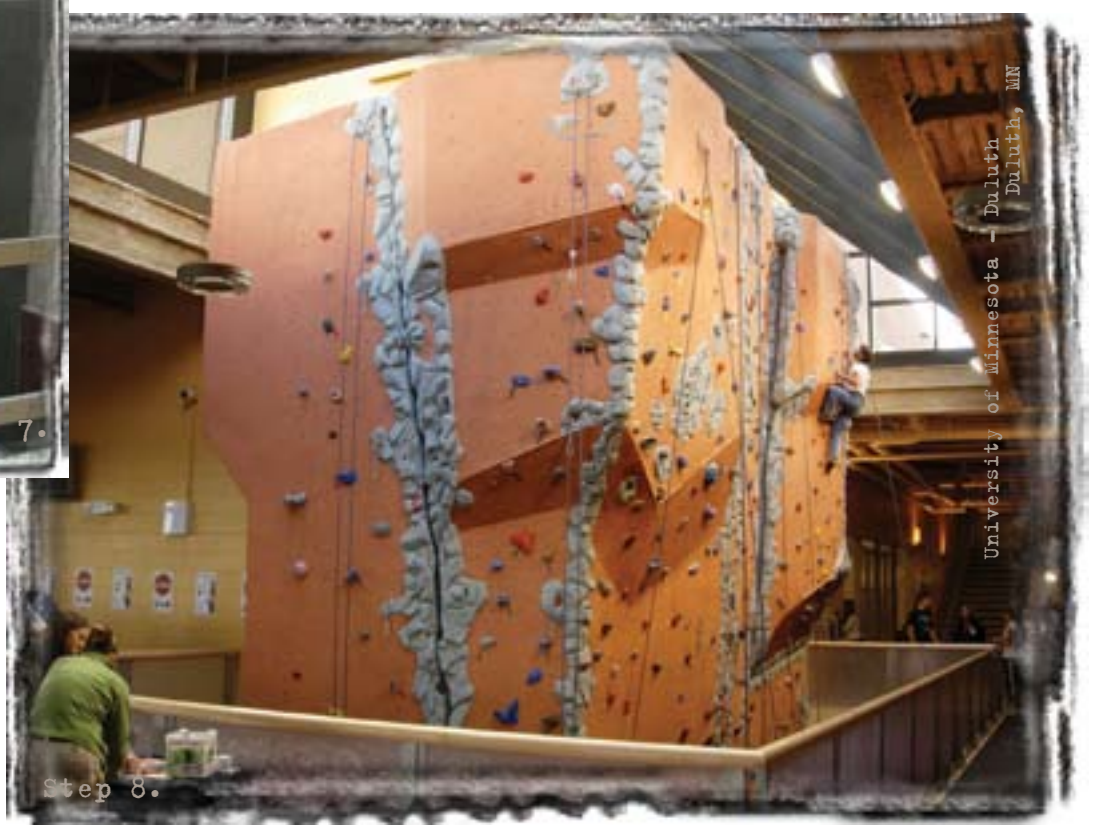
• Wear Bars.
Once the features are added, the wear bars are attached to the wall with clips. These bars ensure that the rope is running over a smooth surface and not rubbing on any wall feature itself.


Step 6.

• Surface Texture. Approximately 3/8 inch of Nicrotex-Premium™ (polymer-modified concrete) is applied to the entire wall, creating a solid, seamless surface. This concrete has been pre-tinted with integral dyes and, once the concrete is in place, additional post-applied dyes are added. The lathe helps to bond the concrete texture coating to the wood to eliminate delamination.


Step 7.

• Rock-Like Texture. The coating is then imprinted with a rock-like texture to provide a realistic look and feel.



Step 8.

• Tinting. When this process is complete and the concrete and dye are dry, additional color is added to the wall using a process of flecking and streaking.

Once the climbing wall is dry, handholds, landing surface, and anchors are installed and the climbing wall is ready for use.

Texture and Feel.

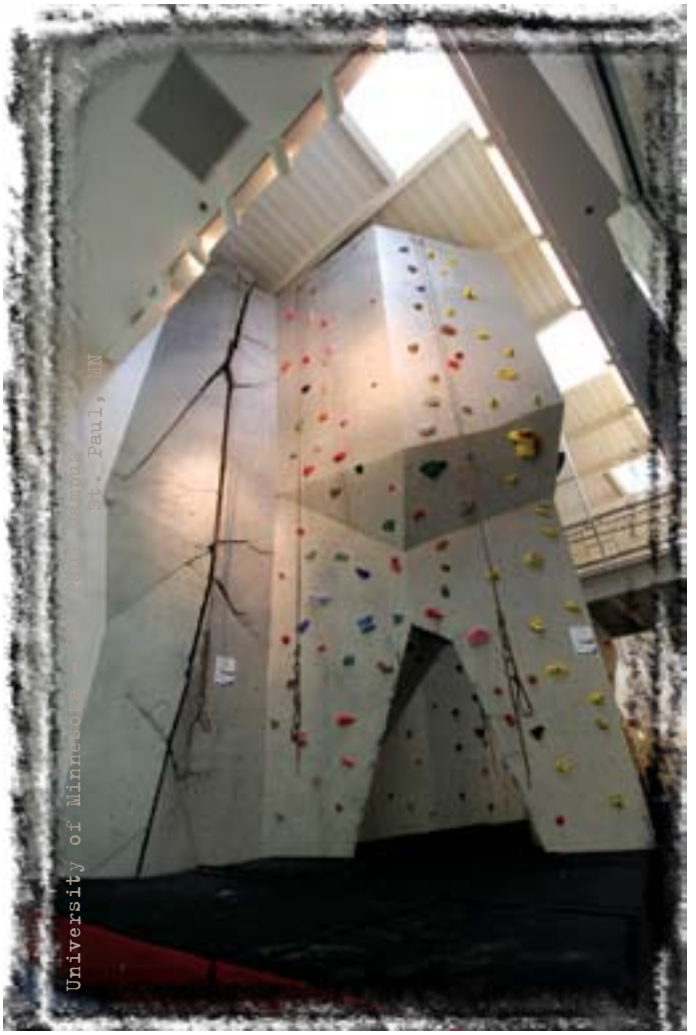
WestCoast™ has a beautifully textured finished product that contains thousands of tiny rock-like micro-features and offers a surface texture that is superior to other similar competitor products. We're constantly improving our methods, maintaining the best look and feel in the industry. While it may not matter to new climbers, a realistic texture becomes essential for learning smearing and edging and advancing climbing technique.

Customizable Look.

WestCoast™ can be tinted to achieve a personalized look. Multiple color schemes can be used on the same wall to accent shadows and depressions, further making the wall stand out.

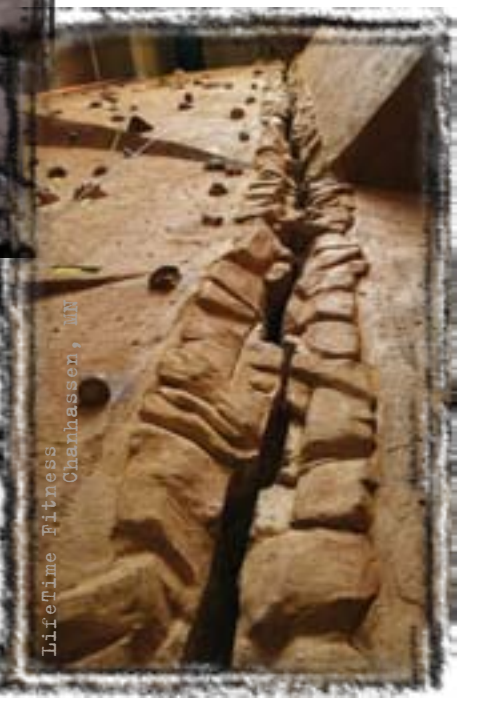
Features and Versatility.

Not only can you climb on modular handholds, but you can also climb on sculpted features such as cracks, huecos, arêtes, and dihedrals. Our artistic sculptors can create features that are both positive and negative to the climbing plane as options for WestCoast™ walls.



Visually Striking and Highly Functional.

Sculpted arêtes, cracks, and flakes combine with realistic pockets, edges, and dikes to provide an enjoyable climbing experience that mimics time on natural rock.



Integratable.

WestCoast™ can be integrated with other wall styles such as A.R.T.Wall™, as shown to the right, to provide a complementary look and expand climbing square footage.

WestCoast™ Frame Free System

(Patent Pending). WestCoast™ is now better than ever with a new Frame Free System (patent pending).

High Density T-Nut Ratio.

Among climbers, this system is often preferred over other rock-like systems for bouldering caves. Many more handholds can be used which means maximum route and boulder problem setting possibilities exist.

Infinite Design Possibilities.

The design of a WestCoast™ wall can range from fairly simple, with few plane breaks, to highly complex with loads of sculpted features. The design possibilities are endless.

GymWall™

What is GymWall™?

GymWall™ is a plywood climbing wall system with awesome texture, pre-built in our facility, and assembled on site using a bolt-together sub frame. This style of climbing wall gives you the most bang for your buck.

Durability.

One of the coolest things about this product is its texture. The coating resembles hard, smooth sandstone and is made of a mixture of epoxy and sand for longevity and durability. We use a special ceramic-coated sand which further aids in the durability of the texture on this product.

Price.

Since this system is designed and pre-built in our shop, it allows for a low price per square foot which will fit into even the tightest of budgets. The large panels are assembled onsite and bolted to a sub-frame. This type of climbing wall installation saves money due to the reduced amount of time a construction crew spends in the field.

Removable.

Due to the nature of the installation of this product, a custom climbing wall made from GymWall™ can actually be dismantled and reassembled should you feel the need to move it.

Custom Wall.

This product provides a totally custom wall at a cost savings over other wall products. The result is similar to a WestCoast™ wall but with a smoother sandstone look.

Subframe.

Once the wall pieces arrive at the job site, a subframe is assembled and bolted to an existing wall. Each piece of the climbing wall is attached to the frame and to the next pieces to form a beautiful climbing wall "skin".

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The Crag Indoor Climbing Gym Brownsburg, IN

"I was able to stay on budget with Nicros GymWall™ and the project was finished on time because the staff at Nicros has passion for what they do -- building state of the art climbing surfaces. The Nicros-EasyWall™ panels look great! They help get that "Awe" factor into the gym at a great price."

-- Michael Tryon, The Crag Indoor Rock Climbing Center, Brownsburg, IN


Nicrolite™

What is Nicrolite™?

Nicros' Nicrolite™ Climbing Wall System is unique as it provides a lightweight climbing wall that is pre-fabricated off-site and installed at your facility quickly and without the mess associated with the custom climbing walls. Nicrolite™ has the versatility of using either bolt-on handholds or the natural features like our A.R.T.Wall™. The texture makes this product awesome for climbers who are looking to improve their footwork by using natural features. The real rock look gives Nicrolite™ projects the best appearance in the industry.

Once the wall has been fabricated in our shop, it is broken down into sections. The wall is then delivered in pieces and reassembled at your site. This construction method saves significant onsite time when compared to our other custom systems.

Using lightweight fiberglass instead of the standard GFRC products enables Nicrolite™ to be used in applications that may have weight restrictions, such as on second floor mezzanines.

Nicrolite is unloaded from the truck at this install site and prepared to be craned onto the roof.

Nicrolite™ combines the lighter weight fiberglass face with an internal steel framework designed by a licensed structural engineer. Since Nicrolite™ is delivered in a nearly finished state, on-site installation time is drastically reduced and allows for this product to be installed around finished surfaces without creating the debris associated with most construction sites.

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(twenty one)

How it's installed.

Installation requires only a fraction of the time required for a typical custom installation. Nicrolite™ is specifically designed to handle the special site conditions during installation.


Step 1.


Step 2.


Step 3.

In this installation, each section is craned onto the roof. Once all the pieces are set on the roof, they are lowered through the skylight.


Step 4.


Step 5.

The pieces are maneuvered into place, anchored to the existing wall, and the finished wall is touched up.

Once the pieces are in place and anchored, any necessary touch-up work is completed, and the landing surface is installed. The handholds will be installed later so the climbing wall doesn't become a liability while the rest of the facility is still under construction.

What is Nicrolite-HandSculpted™?

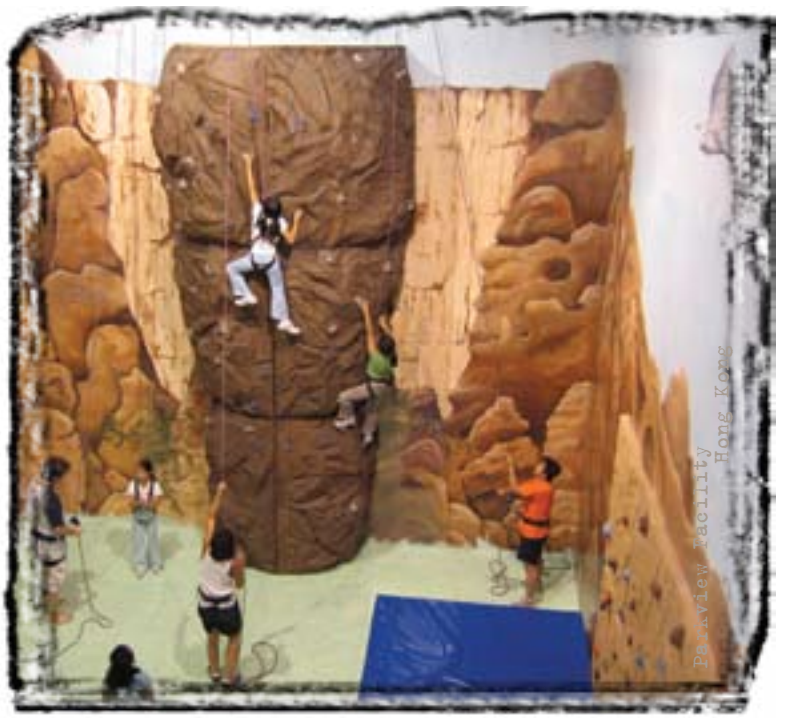
Nicrolite-HandSculpted™ uses the same fiberglass substrate as Nicrolite™ but is faced in a concrete polymer which is then hand sculpted. Hand sculpting a climbing wall allows for limitless design capabilities. This is our premier hand sculpted product and is designed to be installed in minimal time. We custom sculpt each section in our shop and assemble the sections on-site with minimal impact to the facility. Each section is attached to a modular bolt-together frame. We are able to emulate many different types of rock features to add aditional climbing features and appearance to your custom climbing wall.

Nicros-SegWall™

Nicros-SegWall™ is often sold in a package which includes the wall, the top anchors, the auto belays, the handholds, and all of the gear necessary for your climbing program. This is the perfect choice for a quick, simple wall with several rope lines.

What is Nicros-SegWall™?

Nicros-SegWall™ is a fiberglass climbing wall system made of segmented wall panels. A Nicros-SegWall™ ranges in width from 68-92 inches depending on the configuration of the segments used. The standard design is 24 feet tall and is made of eight segments.



Nicros-SegWall™ is molded from real rock so the wall offers features that can only be duplicated by Mother Nature. Handholds are added to the surface of the wall to make the climbing easier, but the wall can be ascended by using the natural features alone.

"The Nicros-Segwall™ serves several functions for our household. It provides active entertainment for our family and friends. It provides an excellent workout and serves our home as a beautiful centerpiece - supplementing our chalet-style home. We have yet to place any holds in our wall system due to the realistic texture and 'climbability' of the wall itself. We would like to thank Nicros for a great product."

-- Brandt Freitag, Osseo, WI

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The texture on Nicros-SegWall™ is superior to competitor products in that it is not slippery. A special sand enveloped gel coat is used during the manufacturing process, allowing the climber to smear, flag, and use all of the natural features, without slipping off.

Installation is as simple as setting the segments in place and bolting them together. The first two Nicros-SegWall™ segments are bolted to the floor, to an existing wall, and to each other. Each remaining segment is then set into place and bolted down to the adjacent segment and to an existing reinforced wall.

Nicros-EasyWall™

What is Nicros-EasyWall™?

Nicros-EasyWall™ is a uniquely designed lightweight 4'x4' panel system. It is named "easy wall" because installation is as easy as bolting it to an existing wall. Each panel is two to three inches thick and also has natural crack-like features that line up with the adjoining panels, regardless of how they are oriented. This attention to detail yields a realistic and beautiful climbing wall.

The advantage to Nicros-EasyWall™ is that it's a low-cost, easy-to-install system that takes up very little space. Many schools use this product to create a bouldering wall, but it's also used in recreation centers, rehabilitation centers, health clubs, and residential properties for both bouldering walls and full-height climbing walls.

Each panel comes with five handholds to get you started but the number you'll need will depend on the climber's age and ability. The holds come in a combination of "kid-friendly" colors such as red, blue and yellow and "earth tone" colors such as tan, grey, and brown to match your panels.

The surface of Nicros-EasyWall™ panels is grippy enough that a climber can hang onto the micro-features or smear against the panel itself.

Residential Installation Silverthorne, CO

Residential Installation Salem, OR

"The perfect place for putting a home training wall turned out to be the room we promised to my 13-year-old daughter. As we planned the remodel of the room, we showed our contractor Climbing Magazine's article on building your own gym. Phone calls and web-surfing quickly led us to Nicros-EasyWall™ as the most affordable and versatile choice. I designed the wall with a 22.5 inch, 45 degree overhang, and we have been having a blast ever since. We're even thinking of extending it to the other walls and ceiling of her bedroom!"

– Jenni Neahring, Residential Installation, Salem, OR

Installation is as easy as 1, 2, 3...

Installation involves mounting Nicros-EasyWall™ panels to an existing wall such as a concrete block wall. Installation typically happens at a rate of two panels per person per hour. This means that, in less than five hours, a ten panel bouldering wall could be installed by one person! While installation is easy, it's very important that it be done correctly. We suggest consulting a licensed structural engineer to ensure correct and safe attachment of the panels to your building.

Pilot holes are drilled into the C.M.U. Block or poured concrete wall with a hammer drill.

Measuring the location of the obstacle, such as an electrical outlet, allows for a nice, clean finished look.

Standard woodworking tools can be used to trim a panel to fit, or to cut around any existing electrical outlets, switches, etc. to customize installations.

Panels are set in place and the holes are drilled. Final attachment is simple with the use of standard hand tools (e.g. socket wrench).

There are a number of different panel designs and each is usable in four different orientations. The edges, incuts, and micro-terrain of these panels are meant to be used by climbers for hand and footholds and were designed to be of a particular grade in each orientation. If placing a series of panels for use on a full-height climbing wall, "naturals" routes of various difficulties can be created – before handholds are even added to the wall!

Boys & Girls Club of Federal Way
King City, PA

Reynolds Middle School
Lancaster, PA

St. Vincent de Paul School
Blaine, MN

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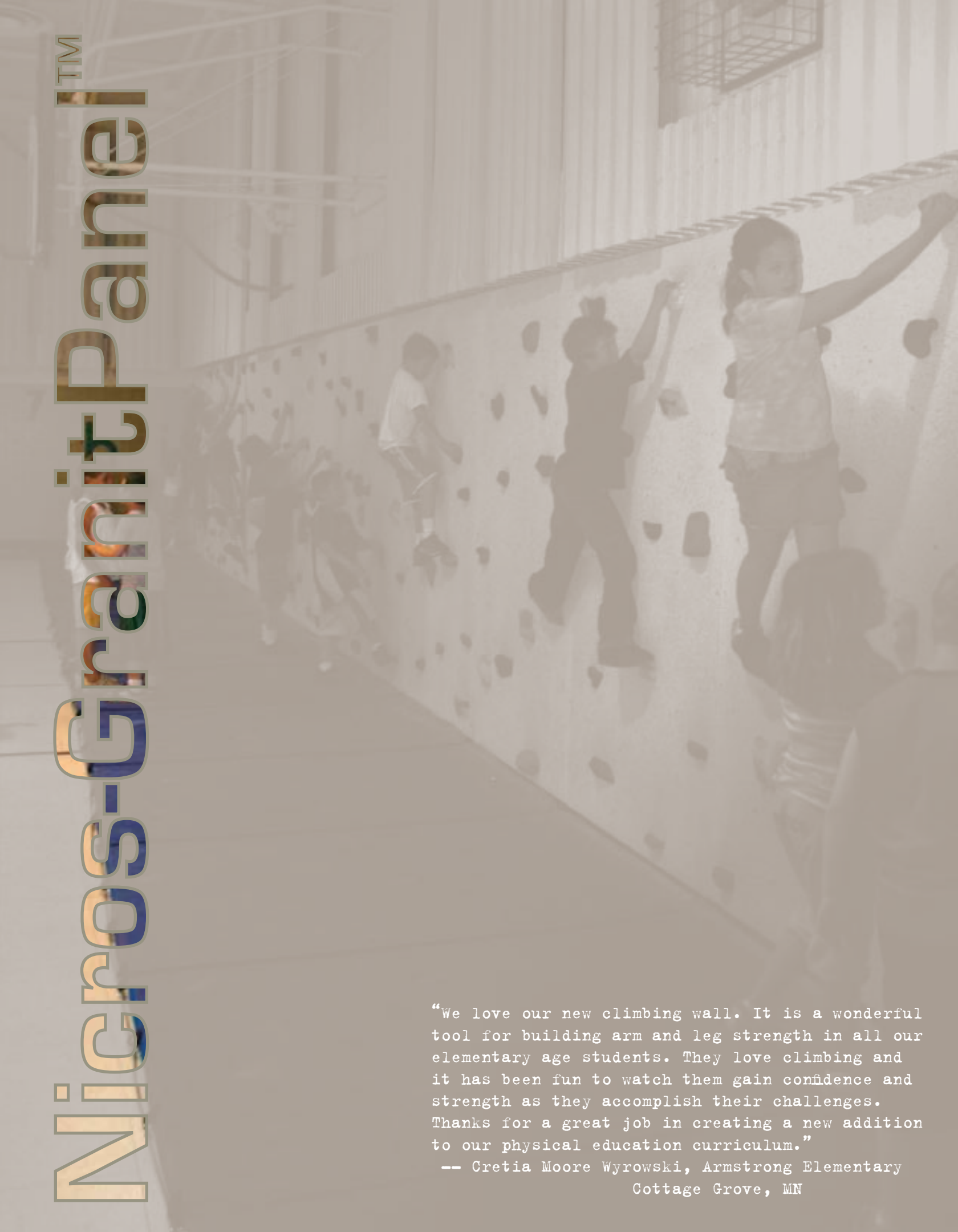
(twenty nine)

NicroS-GranitPanel™



"We love our new climbing wall. It is a wonderful tool for building arm and leg strength in all our elementary age students. They love climbing and it has been fun to watch them gain confidence and strength as they accomplish their challenges. Thanks for a great job in creating a new addition to our physical education curriculum."

-- Cretia Moore Wyrowski, Armstrong Elementary
Cottage Grove, MN

What are Nicros-GranitPanels™?

Nicros-GranitPanels™ are the highest quality, lowest price per square foot climbing wall system available. Coated with a special durable climbing texture, these plywood sheets can be added to an existing wall (or framework) in or outdoors to create a wall of any width or height. Every panel has 32 screw-in T-nuts which will leave endless possibilities for routesetting. This wall comes with two, 4'x4' panels with five handholds each to get you started, but the number you'll need will depend on the climber's age and ability. The holds come in a variety of "kid-friendly" colors such as red, blue, and green.

Nicros-GranitPanel™ texture is the best in the industry; you won't find better in any paint-on product. Unlike paint-on textures, we utilize a special process that makes the surface tougher, stronger, and more uniform and allows it to form a stronger bond to the plywood. The granite-like texture is gritty enough for awesome traction but remains flat enough that holds can be firmly attached flush with the wall, and they don't have an abrasive, skin-shredding texture for the climber who slips off while climbing. Nicros-GranitPanels™ can even be tinted and flecked to match surrounding walls.

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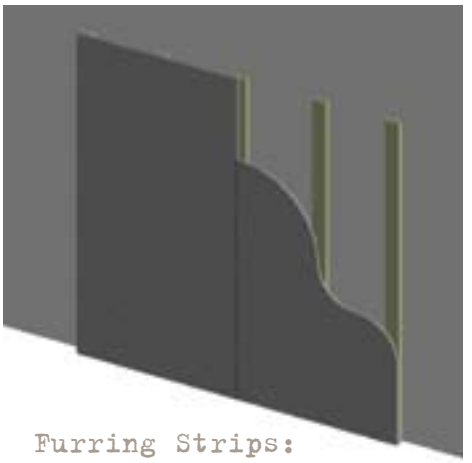
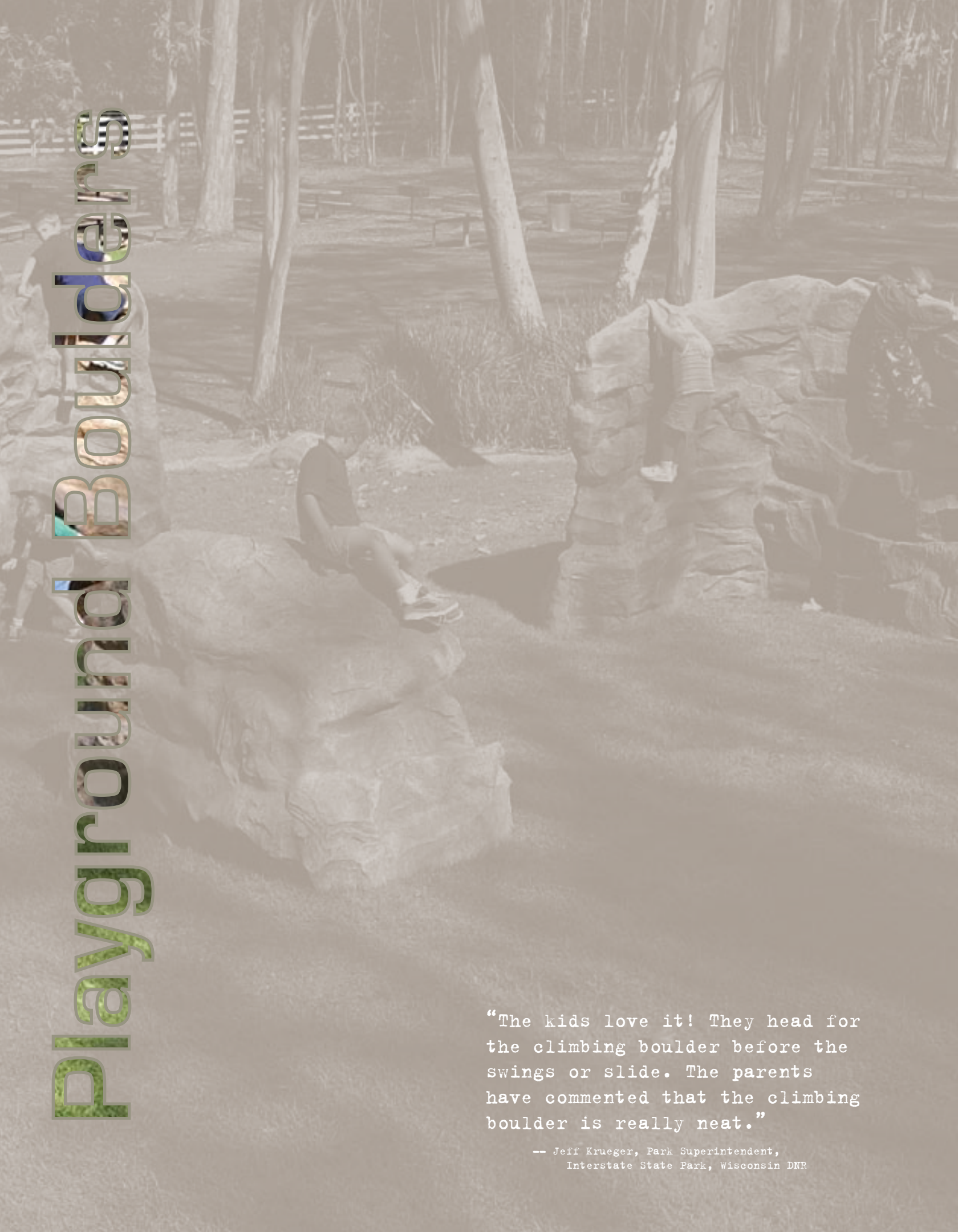
(thirty one)

Once support framing (i.e. 2"x4" wood studs) is put in place, these sheets are easily attached, creating a fun-to-climb textured wall. Nicros-GranitPanels™ can be cut to create openings for light switches, wall receptacles, etc. before the panel is screwed in place. Although it's very easy to install, Nicros also offers installation.



Furring Strips:
2-foot on center



Playground Boulders

"The kids love it! They head for the climbing boulder before the swings or slide. The parents have commented that the climbing boulder is really neat."

-- Jeff Krueger, Park Superintendent,
Interstate State Park, Wisconsin DNR

Kids are born climbers, and playground manufacturers have worked for years to provide an outlet for this desire. A multitude of climbing equipment has been created combining steel, wood and plastic. While these man-made structures have addressed the physical act of climbing, they don't have the look and feel of real rock, which is part of the "adventure" of rock-climbing. Creating a climbing structure that allows kids to test their abilities, as well as get in touch with Nature, is what Nicros' Boulders are all about.

What are Playground Boulders?

Nicros Boulders are the most realistic and fun-to-climb playground rocks available. Nicros' designers used their experience to design a boulder that simulates the movements used while climbing real rock. Each Boulder has been carefully crafted from molds of real rock to capture the diversity of climbing holds that only nature can create. This results in a playground piece that is unequaled in terms of aesthetics and blending with a natural park setting.

Climbers are less likely to take an unexpected fall due to a poorly designed foot placement because the features are "tennis shoe friendly". The movement patterns were scaled to make these three boulders climbable by kids of all ages. The features on the boulders are ergonomically designed so that they fit the natural hand position in a comfortable way – not adding undue stress to tendons or joints.

The aggregate filled outer coating gives the boulder a cool, dry, rocklike feel. Unlike our competitors, Nicros' texture is built to last. We have perfected the technique to make the texture exactly right – it will always feel like real rock and will not wear out like other inferior products.

Construction of a Nicros Playground Boulder looks like:

- Molds made from the original
- UV resistant outer coating laid into mold
- High glass content polyester resin backs the coating
- Parts fiberglassed together
- Seams filled and textured to form a seamless outer surface
- Boulder tinted in a brown color scheme using Nicros' special tinting techniques
- Boulders sprayed with a special anti-grafitti coating before shipping
- Flame retardant gel coat is available and can be applied to your boulder meeting Class 1 flame retardant specifications (ASTM e-84 rating of <25 flame spread, <450 smoke density)

Nicros' Boulders arrive at your site complete and ready to install. Depending on the size, a fork lift or small crane will be needed to lift the boulder into place. Footings or security points can be handled by digging a hole and pouring concrete to attach the boulder.

There are three sizes of Nicros Playground Boulders. Placing them together in combination simply looks outstanding.

Advantages of Nicros Playground Boulders:

1. High glass content polyester resin
2. Won't crack like concrete boulders
3. UV resistant outer coating
4. All climbable features, no modular holds to maintain or t-nut holes in boulders to attract insects
5. Anti-graffitti coating that needs 90 degree Celsius water to remove
6. Outstanding rock-like appearance
7. Lightweight, reduces shipping dollars
8. Easy to install
9. Fire retardant optional
10. Ergonomic handhold features

Small Boulder

Perfect for the littlest climbers to scramble on!

Approx Square Footage: 80 sq ft
Weight: 570 lbs
Approx footprint: 5'x7'6"
Approx Height: 4'


Shamrock Park
Shoreview, MN


Shamrock Park
Shoreview, MN

Medium Boulder

Provides endless hours of climbing fun!

Approx Square Footage: 290 sq ft
Weight: 1,220 lbs
Approx footprint: 8'4"x12'6"
Approx Height: 7'


Bel Aire Park
Indianapolis, IN


Shamrock Park
Shoreview, MN


Southwestway Park
Indianapolis, IN

Large Boulder

The addition of a passageway leads to imaginative play and acting out stories.

Approx Square Footage: 400 sq ft
Weight: 1,700 lbs
Approx footprint: 6'x12'
Approx Height: 9'

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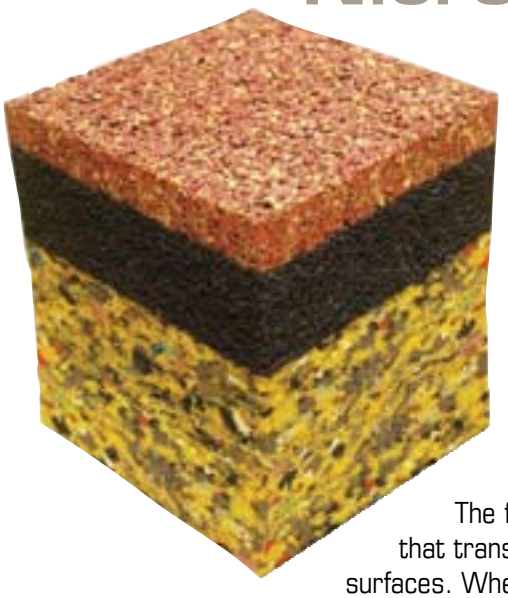
(thirty five)

Nicros Landing Surfaces.



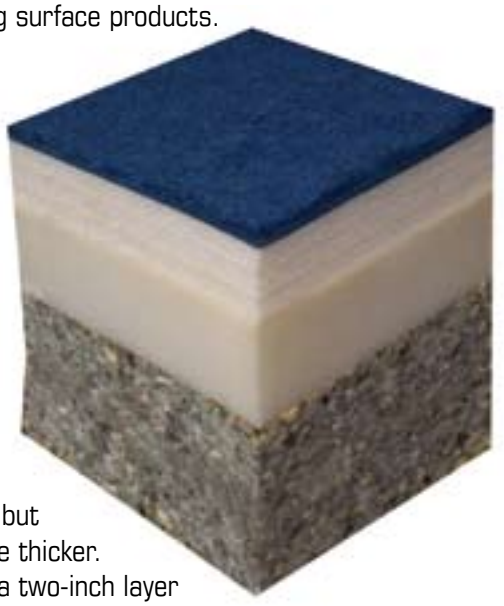
Nicro-Mat™

This seamless and aesthetically pleasing landing surface utilizes a foam underlayment and poured-in-place rubber layer. Colored EPDM rubber (tiny granules) form the top layer and multiple colors can be mixed to complement the surrounding décor. The finished look is a surface that transitions easily into adjacent surfaces. When you land on Nicro-Mat™ you'll notice that while it doesn't compress, the foam and rubber layers absorb the force of your bodyweight.

Nicro-Mat™ begins with the installation of a foam underlayment throughout the area. The thickness can vary depending on the need. Next, rubber buffings are mixed with special binding agents and laid atop the foam. When this cures, the EPDM rubber pieces are mixed using the same process and poured in place atop the buffings to create a durable seamless rubber surface.

Nicros-DropZone™

Nicros-DropZone™ uses the same foam underlayment as Nicro-Mat™ and Nicro-Mulch™ in a number of thicknesses. The top layer uses a carpet that is heat-bonded to a stiffer foam and is available in red, blue, and gray. Nicros-DropZone™ is a seamed product so it is easy to install, replace, or repair. It provides a cost savings over poured-in-place landing surface products.



Nicros-DropZone™ is sturdy enough that you don't feel like you're bottoming out when you land. The top layer is more dense to spread the impact on the less dense layers below which results in a nice, soft catch.

Nicros-DropZone™ is a minimum of 5 ⅝" thick but can be customized to be thicker. Installation starts with a two-inch layer of rebond foam. Next, a two-inch layer of urethane foam is laid, and last, a carpet bonded foam layer is added to the top. A special velcro tape is used to attach the seams and make the surface into one seamless layer. It can be cleaned simply by vacuuming and, should the need arise, sections can easily be replaced should they become irreversibly soiled. With this system, the foam underlayment can be replaced without having to replace the entire landing surface.

Nicro-Mulch™

The Nicro-Mulch™ system has a natural woodsy feel because the top layer is made of a rubber material that emulates the look of cedar chips or wood mulch. Because it is so realistic looking, Nicro-Mulch™ goes great with A.R.T.Wall™ or Nicrolite™ as the landing surface matches the natural appearance of the climbing wall. Using rubber mulch chips as the top surface in Nicro-Mulch™ helps the surface to blend in with surroundings.

The top finished surface of Nicro-Mulch™ is dense so the surface is comfortable to stand and walk on. The softer lower layers provide the absorption to cushion falls.

Construction of Nicro-Mulch™ begins with the installation of a foam underlayer throughout the area. This foam is a minimum of four inches thick but can be installed thicker to meet your facility's specific needs. Once the base foam is installed, the rubber chunks are mixed with special binding agents and poured in place atop the foam to create a durable seamless rubber landing surface that looks like cedar chips.

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(thirty seven)

Shredded Rubber.

From early climbing wall construction, two products seemed to prevail, pea gravel and shredded rubber. Over time, pea gravel has fallen out of favor due to wear issues on ropes, anchors, and other equipment and the dust it creates. In its place, shredded rubber triumphed.

Nicros offers two types of recycled shredded rubber chunks: black rubber and colored rubber. Both are economical, effective choices for landing surfaces. Each is low in odor, low in tire rubber content, free of steel wires and fiber, and contain very little rubber dust.

Rubber comes in fifty pound bags, is easy to install, and is easily replaceable. Landing in rubber has a soft, absorptive feel. The rubber tends to dissipate around where the foot hits. It's similar to landing in a sandbox. Raking the areas at the base of the wall will keep plenty of rubber in the landing zones.

Shredded rubber is typically contained by building a curb around the edge of where the rubber is placed. These curbs are typically built from Nicro-Mat™.

Landing Mats.

The most popular landing surface for schools and bouldering walls is Nicros landing mats. We offer a number of options to fit a school's needs. When the wall is not in use, the mats simply fold up and the mats are locked down with a closure system, thereby limiting access to the wall. Printed on the back of the mats are warnings that state that the climbing wall is closed and no climbing is allowed without supervision.

Although there is no climbing industry standard that specifically dictates the thickness or dimensions of a landing surface mat, Nicros recommends the landing surface cover a minimum of eight feet from the base of the wall and that it be suitably thick to protect a climber's fall.

Nicros offers eight mat systems that connect to the base of the climbing wall. All of our mats are made with at least a 1" Polyethylene foam and the remaining thickness is an open cell polyurethane. The covering is an 18 oz. vinyl and the mats are fire retardant.

Length	Width	Thickness
6'	4'	2¼" or 3"
6'	4'	4¼" or 5"
8'	4'	2¼" or 3"
8'	4'	4¼" or 5"

Nicros also makes custom pads which can exactly fit your landing surface needs. The number of pads and the way they lay out will depend on the contours of your wall (see below).

Crash Pads.

Large moveable crash pads can be used in conjunction with a non-uniform landing surface. (See the picture of the crash pads on the shredded rubber on the facing page.) Injuries can occur when crash pads are not placed correctly so it's important to move the pad to avoid rolling an ankle while falling off the edge.

The shell of a crash pad is normally made out of cordura or a similar strong fabric material. The inside is made of several thicknesses and densities of foam. A zipper is used for the fourth side so the foam can be changed out or replaced without having to purchase a new "shell". Crash pads cushion a fall and often feel better to land on in bouldering cave settings.

Auto Belays

Auto Belays

Auto Belays have become increasingly popular as interest in climbing grows. They provide a way for climbers to climb without the aid of a human belay partner – belaying is done automatically by this special device. Use of an Auto Belay eliminates many of the barriers of entry to the sport of climbing for first-time climbers. Nicros carries only Auto Belays that have been developed and tested specifically for climbing walls.

What they do

Climbers can clip in and climb without having to depend on a partner. When they get to the top of the climb or when they fall, they are slowly returned to the ground.

Advantages

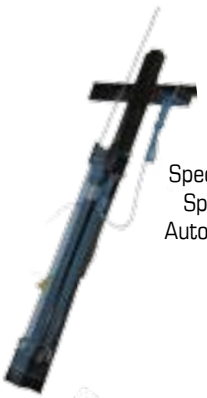
Auto Belays can help decrease staff time, eliminate the need for a belay partner, and increase climbing time for participants. The Auto Belay is especially good for facilities that offer birthday parties and group events so participants will have more climbing time while they are in the facility.

Auto Belay Styles

Nicros carries both the Rose Redpoint Descender by MSA and the Spectrum Auto Belay. Nicros customer service representatives will help you in choosing which one is right for your facility.

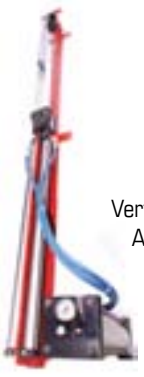
The table below compares the Auto Belay devices that Nicros currently offers. The information in this document has been obtained from the manufacturers' specifications and additional information is available upon request.

Features	Spectrum Sports Auto Belay	Extreme Engineering Auto Belay	Vertical Reality Auto Belay
Multiple mounting options included	No	Yes	Yes
Unit must be checked daily	Yes	Yes	Yes
Available counter keeps track of climbs	Yes	Yes	No
Optional self installation of units	No	Yes	No
Professional installation of units available	Yes	Yes	Yes
Optional self installation of cables	No	Yes	Yes
Mounts at eye level for easy checking	Yes	Yes	Yes
Used in outdoor environments	Yes	Yes	Yes
Extra-long life cycle of units	Yes	Yes	Yes
24 hour service call center	No	No	Yes
On-site service available	Yes	Yes	Yes
Open design, easy to inspect and service	Yes	No	Yes
Cable replacement required annually	Yes	Yes	Yes
Rope replacement performed as needed	Yes	Yes	Yes
Cable type	Galvanized	Stainless	Galvanized
Line take-up	Air - Hydraulic	Air - Hydraulic	Air - Hydraulic
Line type	Rope or Cable	Rope or Cable	Rope or Cable
Recommended weight range	40 - 250 lbs	45 - 250 lbs	up to 250 lbs
Line length	32 ft, 40 ft and 75 ft units available	34 ft and 52 ft units available	32 ft up to 90 ft units available
Dimensions	11 x 15 x 105 in	6 x 13 x 96 in	7 x 10 x 112 in
Approximate net weight of unit	250 lbs	150 lbs	95 lbs
Tank style	Integrated steel frame with fluid level sight	External steel with fluid level sight	External composite opaque design
Warranty	90 days limited / lifetime for steel frame and pulley cart	1 year limited	1 year limited



Spectrum Sports Auto Belay

Extreme Engineering Auto Belay



Vertical Reality Auto Belay

abss

Auto **B**elay **S**afety **S**ystem

"We think customers make better climbers than craters."
-- Joe Sweeney, Nicros Product Developer

Have you ever heard of anybody forgetting to clip into an auto belay? Well, we couldn't imagine it either. But, it happens...

With the increasing popularity of rock climbing, indoor climbing gyms, and Auto Belays all across the country, the possibility of rock climbing accidents also increases. Nicros is proud to introduce the patent pending Auto Belay Safety System™ (A.B.S.S.™) which detects when a climber has forgotten to clip into an Auto Belay and alerts the climber and the facility staff. This device provides climbing wall operators a means of monitoring Auto Belay use on a climbing wall.

This innovative new product uses cutting edge technology to determine if a climber is on the wall climbing without being attached to the Auto Belay device. A sensor on the bolt hanger detects when the Auto Belay line or rope is unclipped from the wall. Arrays of sensors detect a climber's body crossing a pre-determined height. The logic system compares the inputs and determines if the Auto Belay is still attached to the wall when someone crosses the sensor field of view. In this situation, an audible alarm will sound and a light will change color alerting the climber and facility staff. The height at which the activation of the system occurs can be customized. If a person boulders above the area that senses the climber, the alarm will go off since the Auto Belay is attached to the wall. In this way, the patent pending Auto Belay Safety System™ also acts as a warning system for boulderers who are too high on the wall.

Auto Belay Safety Plate

- Reminds users to clip in and double check
- Protects surface area around bolt hanger from high traffic wear
- Made of durable Aluminum alloy
- Resilient etched letters
- Easy to install on any climbing wall surface
- Flush mounting security screws included
- Twelve inches by five inches
- Can be included as a part of the patent pending Auto Belay Safety System™
- Should be used on all Auto Belays!

Nicros Handholds and Climbing Gear.

Nicros offers superior quality handhold products and won "Editor's Choice" in *Climbing Magazine's* 2004 handhold review. Nicros uses tensile testing to evaluate handhold matrix strength. Through this testing, we developed industry-leading Super-Mix™ which provides superior texture, awesome strength, and a lightweight handhold product. In addition, we introduced our Extreme Hold Technology™ (patent pending) which allows us to make extremely large shapes at a fraction of the weight. These handholds are super strong and offer Nicros' same great texture.

Nicros typically provides quotes as "turn-key" installations, which takes the worry out of the little things like handhold selection and finding all the operational gear. It is this attention to detail that sets Nicros apart from the competition and enables the customer's new climbing program to operate smoothly.

Each climbing wall quote includes a handhold package consisting of a complete array of color, size, and style of hold. If a specific color scheme is preferred (for example in an instance where route setters are not allowed to use colored tape route markers) we can easily make your holds in almost any color scheme you wish.

If installing an A.R.T.Wall™ or a Nicrolite™ climbing wall, most customers request that the handholds be tinted to match the surface of the wall. This can be done at the same time as tinting the wall surface if a customer has requested "handhold installation." The handholds can also be tinted on the ground, apart from the wall, as pictured here.

If the customer elects to purchase our standard assortment set that typically comes with a climbing wall, it is common to add an additional allotment of money in the contract for the routesetters to choose additional holds. A customer can choose specific handholds from our extensive line, with a monetary allotment for handholds in the contract.

Nicros has one of the most extensive lines of handholds in the industry. To see our full line of products, visit www.nicros.com.


University of Texas Pan-American
Edinburgh, TX

Handhold Installation.

Since the concrete texture and tint of the climbing wall need time to cure, handholds cannot be installed immediately upon completion of construction. Handhold installation is normally completed prior to the training session. Handhold installation is simply putting the handholds on the climbing wall with the most positive side pointing upward. If specific movement patterns are wanted, then our routesetting training is what you need.


Nysmith School for the Gifted
Herndon, VA

Routesetting.

Routesetting is the arranging of handholds in a specific sequence to obtain a desired difficulty rating or movement pattern. Our routesetters have the art and skill to create specific movement patterns for all levels. Easier or harder climbs can be obtained through spacing and specific hold selection. Route setting and route setting training are important aspects of a successful climbing wall program and both are offered as an option. A small segment on routesetting is covered in a R.O.P.E.S. Training Program or a full-day training session can be tailored to specifically cover route setting.

Climbing Gear.

Since climbing wall quotes are normally provided as turn-key, Nicros puts together a gear package that will fit your needs. Nicros carries everything from harnesses and ropes to belay tools and carabiners. The quoted package includes enough gear to get your climbing program started. Additional gear packages are available to add to your inventory and for replacement.

Nicros carries an extensive line of climbing gear. Please check out our website at www.nicros.com to see all of the products we offer.

R.O.P.E.S.™ is the nation's most comprehensive climbing wall training program.

The training was heavy with hands-on participation which allowed an excellent opportunity for experiential education in a low instructor to trainee ratio.
-- John Michael Cassidy, Graduate Assistant for Outdoor Pursuits, Tarleton State University

Risk Management, **O**perations, **P**rotocol, **E**valuation, and **S**afety (**R.O.P.E.S.**)™ is an interactive training program that will address the main topics related to the operation of a successful climbing program and the maintenance of a climbing wall at any facility. One- and Two-Day on-site training programs are available. We've offered trainings to one person or to an entire recreation facility staff of fifty or more.

In addition to Nicros' R.O.P.E.S.™ program, Nicros, in combination with Vertical Endeavors, offers the new CWA/AMGA Climbing Wall Instructor Certification Program. Call for details.

"In these litigious times where programs experience elevated turnover, employee training (for existing and new employees) and appropriate risk management practices are of the utmost importance. Nicros' training program, together with the new CWA/AMGA Instructor Certification program, is the best way to address these concerns."

--Nate Postma, Nicros and Vertical Endeavors President and CWA Board Member

Why take a R.O.P.E.S.™ Training Course?

- Reduces incidents (and therefore insurance claims) through continuing education
- Increases safety and awareness
- Adds structure to an existing climbing program
- Trains staff when opening a new climbing facility
- Provides ongoing "refresher clinics" and training for new staff members

Each R.O.P.E.S.™ program is custom tailored to meet the specific needs of the staff at your facility. Your needs will be determined by one of our training experts through a pre-training assessment. The following is a list of topics that could be covered in your training. If you have additional topics, please pass this request along when scheduling.

Possible topics in a R.O.P.E.S.™ Training Course:

- Risk management and climbing wall maintenance
- Climbing Wall Association's Industry Practices
- How to teach a lesson in belaying, technique, leading, or rappelling
- Other programming options
- Equipment demonstrations, use, and storage
- Equipment and facility inspections
- Qualifications, supervision, emergency response, rules and regulations
- Safety philosophy
- Routesetting

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Colleges and Universities

Baton Rouge Community College – LA
Bemidji State University – MN
Boise State University – ID
Carleton College – MN
Clemson University – SC
College of William and Mary – VA
Colorado State University at Pueblo – CO
Davenport University – IA
Davidson College – NC
Dickinson College – PA
East Tennessee State University – TN
Georgia Southern University – GA
Hocking College – OH
Iowa State University – IA
James Madison University – VA
Kent State University – OH
Lafayette College – PA
Lehigh University – PA
Luther College – IA
Minnesota State University Moorhead – MN
New York University – NY
North Dakota State University – ND
Northern Michigan University – MI
Oberlin College – OH
Ohio State University – OH
Old Dominion College – VA
Portland State University – OR
Radford University – VA
Stephen F. Austin State University – TX
St. Bonaventure University – NY
St. Olaf College – MN
Slippery Rock University – PA
Tarleton State University – TX
Tomball College – TX
University of Cincinnati – OH
University of Colorado at Boulder – CO
University of Dayton – OH
University of Delaware – DE
University of Houston – TX
University of Iowa – IA
University of Mary – ND
University of Minnesota at Duluth – MN
University of Minnesota at Minneapolis – MN
University of Minnesota at St. Paul – MN
University of Saskatchewan – SK
University of South Carolina – SC
University of Texas Pan-American – TX
University of Wisconsin at LaCrosse – WI
University of Wisconsin at Stout – WI
Virginia Wesleyan College – VA
Wartburg College – IA
Wayne State University – MI
West Virginia University – WV

Other Schools

American Hebrew Academy – NC
Armstrong Elementary School – MN
Battle Creek Elementary School – MN
Belzer Middle School – IN
Bishop Elementary School – OK
Brainerd High School – MN
Brownsburg Middle School – IN
Carmel Junior High – IN
Chairville Elementary – NJ
Churchill School – MO
Clark Elementary School – IL
Clay Junior High – IN
Craig Middle School – IN
Conserve School – WI
Dana Hall School – MA
Fall Creek Valley Middle School – IN
Greeley Schools – CO
Hayden Elementary School – VA
Jacques Cartier School – NY
Kensington Academy – MI
Lawrence Central High School – IN
Marvin Elementary School – CA
Medford Township Public Schools – NJ
Milton Academy – MA
National Deaf Academy – FL
North Creek School – MI
Page Unified School District – AZ
Hoover Middle School – IA
La Mesa Junior High School – CA
Mary McDowell Center for Learning – NY
Normal Heights Elementary School – CA
North Lake School – WI
Nysmith School for the Gifted – VA
Oyster Elementary School – DC
Plainfield Corn Middle School – IN
Reynolds Middle School – PA
Rivercrest Elementary School – WI
St. Christopher's School – VA
St. James Episcopal School – TX
St. Vincent de Paul School – MN
Steven's Point Area Senior High School – WI
Superior Middle School – WI
Weems Elementary School – VA
Westminster School – GA

Community and Recreation Centers

Apache Junction MultiGenerational Recreation Center – AZ
Becker Community Center – MN
Belvidere Township Park District – IL
City of Evanston Parks & Recreation – WY
Collin Creek Community Church – TX
Elgin Recreation Center – IL
Elk Grove Park District – IL
Ford Community and Performing Arts Center – MI
Great Neck Recreation Center – VA
Gurnee Park Community Center – IL
Hyde Park Baptist Church Community Center – TX
Livonia Community Recreation Center – MI
Monticello Community Center – MN
Mystic Lake Recreation Center / Dakota Sport and Fitness – MN
Pascack Community Center – NY
River Winds at West Deptford Community Center – NJ
Romulus Recreation Center – MI
St. Croix Recreation – MN
Summer Grove Baptist Church – LA
Triple Play Fun Zone – WI
Word of Faith – GA

Boys and Girls Clubs / YMCAs

Aberdeen Family YMCA – SD
Boys and Girls Club of Sarasota – FL
Boys and Girls Club of Washington – MD
Butler YMCA – PA
Callahan Family Branch of Kenosha YMCA – WI
Fayetteville Boys and Girls Club – AR
Gig Harbor YMCA of Greater Seattle – WA
Hyde Park YMCA – MA
Warren County YMCA -- PA
Wood River Community YMCA -- ID

Health Clubs

Canyon Ranch – AZ
Canyon Ranch – FL
Elmwood Fitness Center – LA
Great Lakes Athletic Club – MI
Hong Kong Parkview – Hong Kong
Latitude Fitness – MA
Lifestyle Family Fitness – ON
Life Time Fitness Algonquin – IL
Life Time Fitness Allen – TX
Life Time Fitness Alpharetta – GA
Life Time Fitness Austin – TX
Life Time Fitness Berkeley Heights – NJ
Life Time Fitness Bloomingdale – IL
Life Time Fitness Burr Ridge – IL
Life Time Fitness Canton – MI
Life Time Fitness Centreville – VA
Life Time Fitness Chanhassen – MN
Life Time Fitness Cinco Ranch – TX
Life Time Fitness Colleyville – TX
Life Time Fitness Collierville – TN
Life Time Fitness Columbia – MD
Life Time Fitness Columbus – OH
Life Time Fitness Dublin – OH
Life Time Fitness Eagan – MN
Life Time Fitness Ellisville (West County) – MO
Life Time Fitness Florham Park – NJ
Life Time Fitness Flowermound – TX
Life Time Fitness Garland – AZ
Life Time Fitness Gilbert – AZ
Life Time Fitness Goodyear (Palm Valley) – AZ
Life Time Fitness Indianapolis – IN
Life Time Fitness Lakeville – MN
Life Time Fitness Lenexa – KS
Life Time Fitness Loudin County (Sterling) – VA
Life Time Fitness Mountain Brook (Woodstock) – GA
Life Time Fitness Mount Laurel – NJ
Life Time Fitness Novi – MI
Life Time Fitness Orland Park – IL
Life Time Fitness Plano – TX
Life Time Fitness Plymouth – MN
Life Time Fitness Rochester Hills – MI
Life Time Fitness Schaumburg – IL
Life Time Fitness North Phoenix (Scottsdale) – AZ
Life Time Fitness Saint Louis Park – MN
Life Time Fitness Shelby Township – MI
Life Time Fitness Skokie (Old Orchard) – IL
Life Time Fitness South Austin – TX
Life Time Fitness South Jordan (South Valley) – UT
Life Time Fitness Sugarloaf (Gwinnett) – GA
Life Time Fitness Tempe – AZ
Life Time Fitness Troy – MI
Life Time Fitness Willowbrook – TX
Oak Park Fitness Formula – IL
Paramount Sports Complex – PA
Pure Fitness – Hong Kong
QLS Health Complex – TX
Wells Street Athletic Club – IL

Climbing Gyms

Atlanta Rocks Intown – GA
Atlanta Rocks Perimeter – GA
Cliffhangers Mountaineering – PA
Kendall Cliffs – OH
The Crag – IN
Vertical Endeavors, Duluth – MN
Vertical Endeavors, St. Paul – MN
Vertical Endeavors, Warrenville – IL

Playground Boulders

Miracle Recreation Equipment Co. – MO
Play Power LT Farmington – MO
Dynamo Playgrounds – Ontario, Canada
Bartley Community Park – NC
Bay Community Church – AL
Brevard County – FL
Built For Fun – CO
Casualty Care Center – CA
Centennial Hills Park – NV
Central Elementary – MI
City of Burlington – NC
City of Farmington – NM
City of Lafayette – CO
City of Leeds – AL
City of Orange – IA
City of Richmond Heights – MO
City of Rochester – MN
City of Southaven – MS
City of Warren – MI
City of Wetumpka – AL
City of Winona – MN
Connelly Paving Co. – OK

Playground Boulders, cont'd

Daves Avenue School – CA
Desert Ridge Community Center – AZ
Discovery Elementary – MI
Eastern Fence – Nova Scotia, Canada
Freeport Park District – IL
Howell Park – IN
Kid Zone – IN
Kinetic Recreation Department – IN
Kirkland School – WA
LA Balboa Park – CA
Lakeview Church – IN
Lane Mountain Children's Discovery Park – NV
Lawn Smith & Co. – NE
Markley Creek Park – CA
Michigan Recreation Construction – MI
Micke Grove Expansion – CA
Mopal Construction – ON
Napier Elementary School – TN
NYS Parks and Recreation – NY
Odyssey International – AZ
O'Fallon Park Department – IL
Ortco, Inc. – CA
Outdoor Designs – MD
Petawawa Civic Center – Ontario, Canada
Pinedale Middle School – NY
Playmaker – FL
Playright Construction – Ontario, Canada
Recreation Systems – CO
SAF Play – MI
Sheridan Elementary – MI
Spencerville Local School – OH
Springfield Parks – MD
Town of Monument – CO
Tutor Time – FL
Village of Bayside – WI
Village of West Mansfield – OH

Construction Companies/Contractors

Aalco Manufacturing – MO
Apex Mountain Homes – CO
Construction Concepts and Design – MI
First Step Inc. – AR
Galloway Homes – MI
Jumping Bean Recreation – MI
Kick Start Fitness – CA
Laudette Construction – OR
Modern Door & Equipment – MD
Resort Interiors – SC
Richardson Products – IL
Soltek Pacific – CA
Spectrum Sports International Inc. – UT
Superior Play – MI
Team Synergy Inc. – TX
Toll Brothers Model Home Construction – CO
W.G. Yates & Sons Construction – TX
Worlds Of Wow – TX

Other

Audubon Center of the Northwoods – MN
Borealis Expedition – CA
Cornhusker Council, Boy Scouts of America – NE
Department of United States Air Force – FL
Event Central, Meow Mix – NJ
Fort Hood Military Base – TX
Franklin Institute – PA
Island Management Servies, Ltd. – Bermuda
Lynch Exhibits – NJ
North Mississippi Medical Center – MS
Mountain Dreams – PA
Out-N-About Gear – MN
Outside Inn – CA
Outward Bound – NY
Randolph Air Force Base – TX
REI Flagship Store – Bloomington – MN
Rose Valley Ranch – CO
Saint Jude's Medical Center – CA
Sector Watch – NY
Sega Gameworks – Guam
Waverly Inn – SC

Many High-End Home Climbing Walls

…and many more in the works

Photo Courtesy of Eric Hörst

For more information, call us at 651-778-1975
or visit our Website at
www.nicros.com

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