

VULCAN
UTILITY SIGNS

Mark It To Protect It



**VULCAN UTILITY SIGNS MANUFACTURES A FULL LINE
OF INNOVATIVE MARKING SOLUTIONS FOR ULTIMATE
DAMAGE PREVENTION & SAFETY.**

VULCAN, INC. CAMPUS



Vulcan Began In 1935 In Birmingham, Alabama

Thirty Acre Campus In Foley, AL Has Five Integrated Manufacturing Facilities

A) Vulcan Utility Signs

B) Vulcan Aluminum

C) Vulcan Metal Stampings

D) Vulcan Signs

E) Vulcan Aluminum Mill

F) Vulcan EMC Department

G) Vulcan Technology Center

H) Vulcan, Inc. General Offices

VULCAN, INC. CAMPUS

- A) [Vulcan Utility Signs](#): Manufacturer of custom-designed , outdoor durable utility marking products.

- B) [Vulcan Aluminum](#): Fabricator of aluminum sheet, blanks and extrusions.

- C) [Vulcan Metal Stampings](#): Metal stampings facility producing metal products from various materials.

- D) [Vulcan Signs](#): Screen-printing facility for traffic control signs and related items.

- E) [Vulcan Aluminum Mill](#): Manufacturer of aluminum sheet and heavy gauge coils.

- F) [Vulcan Engineering, Maintenance & Compliance \(EMC\) Department](#): Providing Engineering, Maintenance and Environmental/Safety Compliance support to all Vulcan facilities.

- G) [Vulcan Technology Center](#): Vulcan Traffic Management Services.

- H) [Vulcan, Inc. General Offices](#).



VULCAN UTILITY SIGNS

We Specialize In Manufacturing Marking Products
For The Entire Utility Industry

Primary Markets Include:

- Pipeline Transmission
- Gas Distribution
- Communications
- Electrical Power
- Water/Wastewater

[Watch Video](#)



A FEW OF OUR CUSTOMERS



PROJECT RESUME



Project Resume

At Vulcan Utility Signs, we have worked for over 30 years with top tier energy corporations to provide the most advanced, outdoor durable marking solutions in the industry. We have gained valuable experience and expertise by developing customized marking packages for numerous projects. Our dedicated customer service representatives work to provide more than just marking products. No matter the size of the project, rest assured knowing that Vulcan can assist you in developing a marking solutions package that fits your specific needs.



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Project Resume

TransCanada Corporation

Keystone Pipeline Project | Placed In Service: June 2010

Bison Pipeline Project | Placed In Service: January 2011

Cushing Extension | Placed In Service: February, 2011

In 2007, Vulcan Utility Signs joined forces with TransCanada to identify and mark over 10,000 miles of pipeline assisting with the re-branding process of ANR lines to TransCanada lines. This relationship and intimate knowledge of TransCanada's general marking specifications led to the award of the 2,148 mile Keystone Pipeline Project Phase I and Cushing Extension Phase II. Currently, Vulcan is working with TransCanada to provide the marking materials for the Bison Pipeline Project which has further established the working relationship between Vulcan and TransCanada.

Kinder Morgan, Inc.

Rockies Express Pipeline Project | Placed In Service: 2009

Mid-Continent Express Project | Placed In Service: August 1, 2010

Energy Transfer/Kinder Morgan: Fayetteville Express Pipeline Project | Placed In Service: 2010

Vulcan Utility Signs and Kinder Morgan, Inc. united in 2000 to form a strategic alliance which is still valid today. In addition to Kinder Morgan's general maintenance marking items, Vulcan assisted in marking the Rockies Express Pipeline Project and more recently, the Mid-Continent Express Project. Vulcan also teamed up with Kinder Morgan and Energy Transfer to provide the marking products for the Fayetteville Express Pipeline Project.

El Paso Corporation

El Paso Re-Branding Project | Project Date: 2001

Elba Express Pipeline Project | Placed In Service: March 2010

Ruby Pipeline Project | Expected In Service: July 2011

Since 2001, Vulcan Utility Signs and El Paso Corporation have partnered together to ensure the safety of over 55,000 miles of pipeline. Chosen as the preferred vendor for the 680 mile Ruby Pipeline Project, Vulcan has provided all the signage and cathodic protection for the project. For the last decade, Vulcan has worked with El Paso to provide marking solutions for the Cypress Project, Elba Express Pipeline Project, Elba II, Elba III Expansions and all of El Paso's routine maintenance of right-of-ways, as well as assisting in their re-branding efforts.

Holly Energy

UNEV Pipeline Project | Placed In Service: First Quarter, 2011

Roadrunner Pipeline Project | Placed In Service: 2009/2010

Holly Energy Partner, LP, and Holly Corporation awarded Vulcan Utility Signs with the aerial marker segment for the Roadrunner Pipeline Project and UNEV Pipeline Project in 2009.

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[View Project Resume as a PDF on the downloads page of the VUS website.](#)

PROJECT RESUME (CONT.)

Project Resume

Energy Transfer

Energy Transfer/Kinder Morgan: Fayetteville Express Pipeline Project | Placed In Service: December 2010

Tiger Pipeline Project | Placed In Service: December 2010

Dos Hermanas Pipeline Project | Placed In Service: December 2010

Chisholm Pipeline Project | Expected In Service: Second Quarter, 2011

Energy Transfer partnered with Vulcan Utility Signs to develop marking products for the Tiger Pipeline Project & Fayetteville Express Pipeline Project. Vulcan provided customized marking packages for these projects, and by utilizing a close working relationship, both projects were completed ahead of schedule and under budget. Currently Vulcan is working with Energy Transfer to manufacture signage and markings for the Dos Hermanas Pipeline Project and the Chisholm Pipeline Project.

Denbury Resources

Green Pipeline Project | Expected In Service: 2012

Vulcan Utility Signs is currently fulfilling all of the signage needs for the 320 mile Green Pipeline Project. Vulcan also manufactures a variety of maintenance markings for other Denbury Resources assets.

Enterprise Products Partners L.P.

Re-branding of TEPPCO Line | Expected Completion Date: Fourth Quarter, 2011

Eagle Ford Shale Supply Laterals Pipeline Project | Expected In Service: Fourth Quarter, 2011

New Construction of Pipelines and Facilities in South Texas | Expected In Service: Early 2012

Eagle Ford Shale Expansion | Expected In Service: Second Quarter, 2012

Acadian Pipeline Project | Expected in Service: Fourth Quarter, 2012

Vulcan Utility Signs has renewed a 3 year contract with Enterprise Products Partners L.P. and is currently manufacturing custom pipeline and facility markings for several new pipeline projects. Vulcan was also approved as the vendor of choice to provide markings for the re-branding of the TEPPCO line.

Florida Gas Transmission

Phase VIII Project | Expected In Service: Second Quarter, 2011

The Phase VIII project which is near completion, consists of approximately 815 miles of pipeline loop and the addition of approximately 106,000 hp of compression at 11 locations. This project involved work in Louisiana, Mississippi, Alabama and Florida. Vulcan Utility Signs was the vendor of choice for this project. Our dedicated team worked with project coordinators to supply all of the custom signage and markers needed.

Project Resume

Kern River Gas Transmission

Apex Expansion Project | Expected in Service: November, 2011

Kern River Gas Transmission awarded Vulcan Utility Signs with the marker portion of the Apex Expansion Project in 2010.

CenterPoint Energy Gas Transmission & Spectra Energy

Southeast Supply Header Project | Placed In Service: September 2008

In 2008, Vulcan provided the signage and line markers for the 274 mile, Southeast Supply Header Project, a joint venture between subsidiaries of CenterPoint Energy Transmission and Spectra Energy.

SemGroup Corporation

White Cliffs Pipeline Project | Placed in Service: 2009

SemGroup Corporation awarded Vulcan Utility Signs with the 524 mile White Cliffs Pipeline Project in 2008. Vulcan manufactured the signage and pipeline markers for the project.

Mississippi Hub, LLC

Expansion Project | Placed in Service: 2010

In October of 2010, Vulcan Utility Signs fulfilled the signage and marking needs of the Mississippi Hub Pipeline Project. In 2009, Vulcan worked with Bay Gas Storage to manufacture custom markings for their most recent project. Facility signs, as well as pipeline markers were supplied by Vulcan to mark everything from waste water to natural gas lines for both locations.

Regency Energy Partners

Haynesville Expansion Project | Placed in Service: 2009

Regency Energy Partners LP is a growth-oriented, midstream energy partnership engaged in the gathering, contract compression, processing, marketing and transportation of natural gas and natural gas liquids. Vulcan Utility Signs provided signage and markers for the Haynesville Gas Gathering System and the Phase II of Regency's expansion of the Logansport Gathering System.

Note: The projects listed in this document are only a partial representation of work completed by Vulcan Utility Signs.

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LEADING THE INDUSTRY

- Commitment To The Market

- Recent plant modifications to our 30,000 sq. ft. facility have allowed us to improve manufacturing processes by establishing a clean flow of materials and information.

- Continuous Quality Assurance/R&D

- We continually test our products using two innovative processes to ensure quality.

- We have also implemented lean manufacturing processes to continually improve productivity and lead times.

- Our Engineering, Maintenance and Compliance (EMC) Department works to develop and implement the planning needs for future processes and equipment changes, expansions and additions.

- In Depth Knowledge Of The Natural Gas Market

- With over 30 years of experience in the industry, our staff has expert knowledge of the natural gas industry.

- As active supporters and participants in the Southern Gas Association, Texas Gas Association and the International Liquids Terminal Association, we stay in tune with this market by attending conferences and collaborating with customers to provide solutions to their unique marking problems.

- Purchasing Power

- With 5 integrated manufacturing facilities, Vulcan, Inc. has the power to lower the cost of our products through bulk purchasing of raw materials and in turn, we pass these savings on to our customers.

-Value/Ownership

- Vulcan, Inc. is an employee owned company which creates a sense of pride in the workplace, leading to quality products and service.

VULCAN PRODUCTS



Custom Marking Solutions

For over 30 years, Vulcan Utility Signs has been designing and developing innovative marking solutions for the utility industry. Our primary markets include pipelines, communications, electrical power, and water/wastewater. We manufacture a complete suite of outdoor durable line marking products which can all be customized to meet your company's exact specifications. Our investment in this market makes quality control a top priority. All of our products are tested to ensure that they will stand up to their harsh outdoor environments. Vulcan Utility Signs stands ready to provide custom products in accordance with the latest industry standards.



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Custom Marking Solutions

- > [Vulcan Line Marker Signs](#)
API, AGA, Or Custom Layout | Various Thicknesses Of High Strength Aluminum | Also Available In HDPE
- > [Vulcan Drivable Markers](#)
Flexible Fiberglass | Withstands Repeated Impacts | Custom Decal Applied | Available In Cathodic
- > [Vulcan H41 Line Markers](#)
360° Visibility | Screen Printed HDPE Bullet Heads | Other Styles Also Available | Available In Cathodic
- > [Vulcan Aerial Markers](#)
Frame Style | Bent Style | Aerial Marker Plates
- > [Vulcan Waterway Markers](#)
With Structures And Braces | Reflective Sheeting | Increases Nighttime Visibility
- > [Vulcan Cathodic Protection](#)
Complete Test Stations | Test Heads | Also Available In Drivable And H41 Styles
- > [Vulcan Safety Signs](#)
OSHA Safety Signs With Various Messages | Custom Safety Signs
- > [Vulcan Decals](#)
Fleet Marking | Overlay Decals | Numbering Kits | HAZMAT Decals
- > [Vulcan Facility Identification](#)
Compressor Station Signs | No Trespassing Signs | Block Valve Signs | Well Head Signs | Directional Signs | Monument Signs
- > [Vulcan Cast Aluminum Vents](#)
Standard Vents | Vent Caps | Noodle Vents | Junction Vent | Junction Cap
- > [Vulcan Sign Posts](#)
U-Channel Posts | Angle Posts | Round Posts | Square Posts | Mounting Brackets Also Available
- > [Vulcan Durable ID System](#)
Stainless Steel Identifiers | Mounts To Existing Pipe Components | Two Styles Available
- > [Vulcan Special Application Markers](#)
High Density Area Markers | Curb Markers | Pavement Markers | Soil Markers | Electronic Markers
- > [Vulcan Work Zone Products](#)
Barricades | Traffic Cones | Flashing Lights | Reflective Safety Vests | Aluminum Work Zone Signs | Reflective Roll-Up Signs And Stands
- > [Vulcan Fasteners & Brackets](#)
Aluminum | Stainless Steel | Available For Any Application
- > [Vulcan Underground Marking Tape](#)
Detachable | Non Detachable | Extra Strength | Standard Or Custom Messages
- > [Vulcan Temporary Flags](#)
Steel Wire Shaft | Plastic Shafts | Standard Or Custom Messages
- > [Vulcan Area Enclosure Tapes](#)
Standard Or Custom Messages
- > [Vulcan Traffic Control Signs](#)
- > [Vulcan Excess Flow Valve Tags](#)
- > [Vulcan Inverted Cans of Spray Paint & Marking Guns](#)



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[View Line Sheet as a PDF on the downloads page of the VUS website.](#)

VULCAN LINE MARKER SIGNS

Vulcan Line Marker Signs are manufactured using 5052 aluminum which is produced in our on-campus rolling mill. This ensures quality control from start to finish.

-5052 Aluminum is the aluminum specified in most states as the alloy used for metal road signs due to its superior strength and durability.

- Our in-house laser cutter gives us the ability to produce custom sizes and shapes for ultimate brand consistency.

- High Density Polyethylene (HDPE) is a second material choice for line marker signs.

-Vulcan HDPE is a very durable alternative to aluminum for line marker signs.



VULCAN H41 LINE MARKING SYSTEM

Where Visibility Meets Versatility

- The Vulcan H41 Line Marking System is the most versatile marker in the industry today.
 - Manufactured using specially formulated, UV protected, High Density Polyethylene (HDPE).
 - The marker provides 360° visibility and can be adapted several ways to meet your requirements.
- Available in Cathodic and Vented Styles.

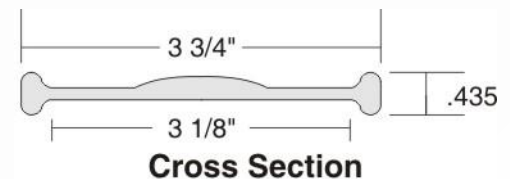


VULCAN DRIVABLE MARKER

Easily Installed & Flexible

- Will not rust, rot or corrode.
- Remains stable in temperatures from -30° to + 120°
 - Will not embrittle in cold, nor soften in heat.
- Lower freight costs compared to steel marker posts.
- Contains the highest fiberglass content in its class.
- Superior strength and easy to drive into soil.
- Absorbs vehicular impacts and returns to original position.
- Ultraviolet inhibitors provide long term stability and color retention.
- Will survive controlled ditch burns which often melt or destroy plastic markers.

- Available in Cathodic



VULCAN MAX-VIEW MARKER

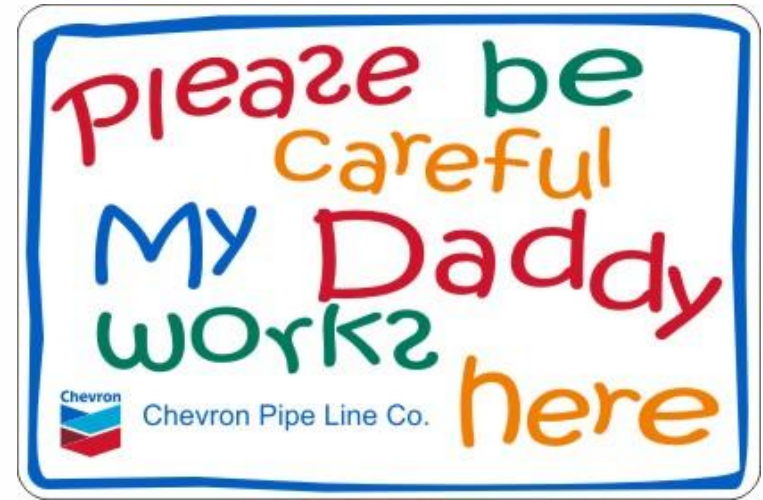
The Vulcan Max-View Marker provides the greatest 360° visibility of any marker in the industry today!



- High visibility for multi-lingual messages.
- **NO DECALS REQUIRED!**
 - Message printed directly on HDPE for maximum outdoor durability.
- Easy installation.

VULCAN FACILITY SIGNS

- Custom signs to identify Main Line Valves, Odorization Points, Facilities, Town Border, Meter Stations, Regulator Stations, etc.
- Various styles, colors, sizes and materials available.



- South Carolina Pipeline uses this 24" sign to identify specific delivery point locations.
- The name and number of each location is applied using computer cut, high-performance vinyl.



VULCAN MONUMENT SIGNS

- Vulcan Monument Signs are manufactured from .090 gauge aluminum for maximum outdoor durability.
- We fabricate monument signs for new locations, as well as overlay panels to reface existing signs.



VULCAN SAFETY/SECURITY SIGNS

- Vulcan Safety Signs are fabricated from .040 aluminum with rounded corners for safety and holes punched for easy installation.
- Signs have screen printed or computer-cut vinyl graphics on a durable, scuff resistant vinyl background.
- Reflective signs and decals are also available.



- Vulcan Security Signs can be made reflective or non-reflective to meet corporate requirements.
- Let us provide Sign Kits for your perimeter fencing needs.
 - We can make installation quick and efficient by packaging all of the items needed, saving time and resources.



VULCAN ULTRA GLOW

Vulcan Ultra Glow illuminates without batteries or electricity!



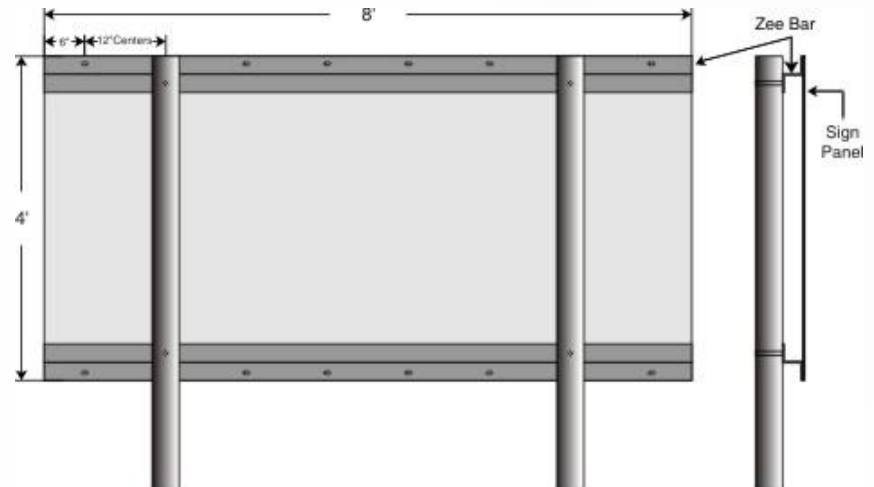
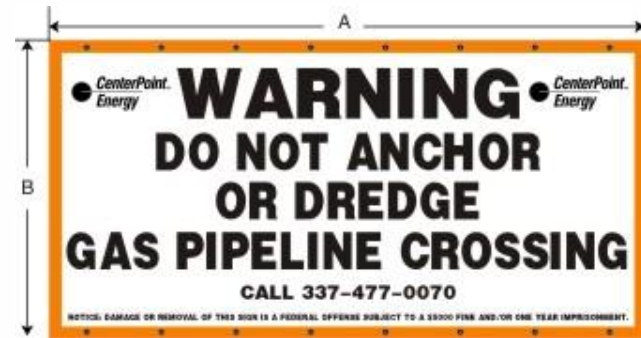
- Automatically charges when exposed to natural or artificial light.
- Available in Aluminum or Cast Vinyl.
- Will perform at 100% capacity for 10+ years.
- Innovative product providing excellent safety solutions.
- Endless opportunities for custom applications.



VULCAN WATERWAY MARKERS

Vulcan Waterway Markers provide ultimate protection for lines buried under waterways.

- Reflective sheeting can be applied to maximize nighttime visibility.
- Our waterway markers are manufactured using .090" thick 5052 H-32 aluminum alloy and can be supported by U-Channel Posts or Zee Bar.



VULCAN AERIAL MARKERS

Vulcan Aerial Markers are available in two distinct styles.

- Bent Style

- The Bent Style Aerial Marker is manufactured exclusively by Vulcan.
- Fabricated from .100" thick highway-grade aluminum for ultimate durability.
- The structure is open at the top and bottom, with sides bent at 45°.

- Frame Style

- Aluminum frames are fabricated from 1" and 1 ½" x 1/8" aluminum angle alloy 6063-T5.
- Multiple mounting options available.



Bent Style



Frame Style

VULCAN POSTS

Vulcan offers a wide variety of durable posts to suit any need.

- U-Channel Posts
 - Available in various lengths, weights and colors.
- Galvanized Steel Angle Posts
 - Economic alternative to U-Channel Post.
- Round & Square Steel Posts also available.



VULCAN PAVEMENT, LOW PROFILE & DAS CURB MARKERS

- **Vulcan Pavement Markers** are an inexpensive way to identify pipelines.
- Application is quick and easy.
 - Simply peel off the back and place marker in position.
- **Vulcan Low Profile Markers** are designed specifically for landscaped areas where traditional markers would be inappropriate.
 - Contains aluminum construction.



- The **das Marker** is highly durable and simple to install.
 - Apply the das adhesive, then place on curb.



VULCAN FLEET MARKING & DECALS

- Vulcan Fleet Markings are manufactured in two forms- Pre-Spaced Legends & Decals.

- A complete marking kit including an individual asset number for each vehicle can be supplied along with detailed installation instructions.

- Vinyl used for Vulcan Decals is supplied exclusively by 3M™ & Avery®.

- Custom reflective, non-reflective or magnetic decals can be designed and manufactured for company vehicles providing brand consistency.



LOCATION NAME TANK NUMBER PRODUCT	FEET	FT - IN
CRITICAL HIGH	##.##	## - ##
HIGH HIGH TANK	##.##	## - ##
HIGH TANK	##.##	## - ##
MAXIMUM WORKING	##.##	## - ##
MINIMUM WORKING	##.##	## - ##

MINIMUM WORKING IS BASED ON NORMAL LEG SETTINGS FOR TANKS WITH FLOATING ROOFS.
SEE STRAPPING COVERAGE ON STANDARD TILLOP001 FOR API TERMINOLOGY

APPROVED: 05-08-06



VULCAN CAST ALUMINUM VENTS

- Vulcan Vents surpass the competition because of their outstanding lifespan.
 - **Vents have been field tested and have a proven life of over 25 years outdoors.**
- Custom aluminum signs or decals can be added to vents for greater visibility.
- Vents are available in 2 ½", 3", 3 ½" and 4 ½" OD vent pipes.
- Various colors available.



VULCAN DURABLE ID TAGS

- Designed to be mounted securely to flanged fittings that exist on above ground pipe components such as valves, meters, filters, regulators, mile posts, etc.
- Fit-for-purpose identifiers are manufactured from 14 gauge stainless steel.
 - Fabrication using 304 stainless protects against corrosion.
- Available in two styles: **Enhanced and Cut-Out**
- Mounting options: Horizontal and Vertical



VULCAN TRAFFIC CONTROL & WORK ZONE PRODUCTS

All traffic control signs conform with the Federal Manual on Uniform Traffic Control Devices.

- Aluminum sign blanks are manufactured in-house, ensuring quality control.
 - Signs are manufactured from .080" aluminum with engineer grade reflective sheeting.
 - High intensity sheeting is also available.
- We carry a full line of sign posts, stands, and mounting brackets.
- Various styles of barricades and traffic cones are also available.



VULCAN VALUE-ADDED SERVICES

- **Personal** Customer Service & Sales Representative
- Vendor **Managed** Inventory
 - Let us stock frequently purchased items so they are available immediately.
- **Customized** Web Store
 - Designed specifically for products purchased by your company.
- A Single Source Provider For **All** Marking Products
- We Can Design, Create & Maintain **Consistent** Corporate Identity
- **Reduced** Freight Costs



VULCAN QUALITY ASSURANCE

At VUS, quality assurance is a top concern. Every product that we produce is tested on both our **Outside Test Deck**, and in a state-of-the-art **QUV Accelerated Weathering Tester**. The QUV simulates years of long term weathering effects on our products in a matter of hours. Both testing processes act as a check and balance, ensuring that Vulcan products will withstand the unrelenting elements of their outdoor environments.



MISSION



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Our mission is to deliver a complete suite of customized marking products that exceed our customer's expectations in every way. Our innovative business solutions empower us to lead the industry, while we continue to proudly design and develop new ways to help you stay ahead in the field.