

# VegasRock

Sharing uniqueness with the world



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CRAFTING NATURE'S ELEGANCE WITH SUSTAINABLE PRECISION

## THE Journey of Meta-Quartzite

From Earth to Elegance





*"From the heart of Nevada's Rainbow Quarries to the world, Las Vegas Rock's meta-quartzite weaves nature's artistry into our lives, marrying the earth's timeless beauty with our spaces. It's not just a stone; it's a story of harmony and heritage shared across horizons."*

# Discover The Creative Essence of Las Vegas Rock

Embracing the rich tapestry of Las Vegas Rock's meta-quartzite, each step from the Rainbow Quarries to Jean, Nevada, tells a story of nature's art and human touch. This stone, with deep history, beautifies various architectures, merging strength and grace. Each installation, artful and precise, ....



...honors the material and nature. Beyond a mere material, it's a global legacy, blending nature's charm with sustainable

craftsmanship, and connecting cultures with its inherent beauty.

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# Welcome to Bold Designs.

Nestled in the heart of Southern Nevada, just miles away from the glitz and glamour of Las Vegas, lies a natural wonder far older than the city's neon lights - the Rainbow Quarries.

At Las Vegas Rock, we specialize in Meta-Quartzite, an extraordinary stone known for its exceptional durability and distinctive aesthetic.

This unique material has been instrumental in transforming landscapes and architectural designs globally, marking our contribution to the beauty and resilience of structures worldwide.

## The Quarry's Tale

Our journey begins at the Rainbow Quarries, where the meta-quartzite has lain for millions of years. This quarry is not just a mining site; It is a geological marvel. The stone here is a striated meta-quartzite, known for its extraordinary durability and vibrant color patterns.

*"Hilton Foundation Headquarters, by ZGF Architects' Los Angeles office, is a welcome change of pace. The 22,240-square-foot building is a simple rectangular volume clad in strips of auburn, burnt-orange, and deep-yellow split-face sandstone evoking the area's vivid landscapes"*

Quote By Asad Syrkett  
architecturalrecord.com/articles/7345-conrad-n-hilton-foundation-headquarters



# The Journey of Meta-Quartzite: From Earth to Elegance

## Extraction with Respect

At Las Vegas Rock, the extraction process is a blend of respect for nature and cutting-edge technology. The quarrying process is designed to be as non-invasive as possible, preserving the natural beauty and integrity of the landscape. Skilled workers use precision equipment to extract the stone, ensuring minimal environmental impact.

## Crafting the Stone

Once extracted, the journey of the meta-quartzite is far from over. It travels to the company's facility in Jean, Nevada, where artisans and machines work in tandem. Each block of stone is carefully cut, polished, and shaped into slabs or specific designs. This phase is where the stone's natural beauty is enhanced, revealing the intricate patterns and colors that make each piece unique.

## From factory to placement

Each meta-quartzite piece embarks on a unique path, culminating in its integration into a myriad of projects. Whether it's lending a touch of sophistication to luxury residences or defining the character of premium commercial facades, every slab narrates its own tale. The material's final chapter is written when it seamlessly merges into human-designed spaces, imparting an enduring beauty to every construction it adorns.

## Photographic Journey

Accompanying this article, a series of stunning photographs showcase the journey. Images capture the rugged beauty of the quarries, the precision of the extraction process, the artistry in the stone's crafting, and the final, breathtaking installations.

## Conclusion

The journey of meta-quartzite from the Rainbow Quarries to its final destination is a testament to Las Vegas Rock's commitment to quality, sustainability, and beauty. It's a journey that transforms a humble stone into a symbol of elegance and endurance, leaving a lasting impact on the landscapes and lives it touches.



# Sustainability in Stone

Introduction to Sustainability in Stone Quarrying and Processing  
Sustainability in the context of stone quarrying and processing involves several key aspects:

**Environmental Impact:**

Minimizing the ecological footprint of quarrying activities. This includes careful management of resources, reducing emissions, and conserving the surrounding natural habitat.

**Efficient Use of Resources:**

Ensuring that all materials extracted are used optimally, reducing waste.

**Long-Term Planning:**

Sustainable quarrying involves considering the long-term impacts on the environment and the local community, ensuring that the quarrying practices do not deplete resources for future generations.

**Community Engagement:**

Working in harmony with local communities and respecting the land and its history.

Las Vegas Rock, through its practices, shows a commitment to these principles, ensuring that its operations are not just profitable, but also responsible and environmentally conscious.

**Cradle to Cradle Silver Certification  
Significance and Importance**

The Cradle to Cradle Silver Certification represents a significant achievement in sustainable business practices. This certification is awarded to products that meet rigorous standards in five categories: material health, material reutilization, renewable energy use, water stewardship, and social fairness. For Las Vegas Rock, obtaining this certification signifies:

**Product Safety:** Assurance that the materials are safe for both humans and the environment

**Resource Efficiency:** The company’s commitment to using resources efficiently and responsibly, including the recycling or upcycling of materials.

**Renewable Energy:** Use of renewable energy in the production processes, reducing carbon footprint.

**Water Stewardship:** Efficient and responsible use of water, ensuring that the quarrying and processing activities do not deplete local water resources.

**Social Responsibility:** Demonstrating a commitment to fair labor practices and contributing positively to the communities where they operate.

# Contribution to Green Building Practices

Contribution to Green Building Practices  
Las Vegas Rock contributes to sustainable construction and green building practices in several ways:

**Sustainable Material:** Meta-quartzite, with its durability and natural beauty, is a sustainable choice for construction, reducing the need for replacements and maintenance.

**Energy Efficiency:** The natural thermal properties of stone can contribute to energy-efficient building designs.

**LEED Points:** Projects using Las Vegas Rock’s products can potentially earn LEED points, particularly in the categories of sustainable materials and resource efficiency.

**Local Sourcing:** For projects in and around Nevada, using stone from Las Vegas Rock reduces transportation emissions, contributing to a lower carbon footprint of construction projects.

Las Vegas Rock’s approach to sustainability is a model in the stone industry, demonstrating that environmental responsibility and business success can go hand in hand. Our commitment not only benefits the planet but also sets a standard for others in the industry to follow.







### PRECISION CUTTING TECHNIQUES

At the facility, each block of meta-quartzite is subjected to precision cutting. Utilizing advanced machinery, the stone is cut with accuracy, ensuring minimal waste and optimal use of each block.



# Crafting the Stone

**Crafting the Stone**  
Once extracted, the journey of the meta-quartzite is far from over. It travels to the company's facility in Jean, Nevada, where artisans and machines work in tandem. Each block of stone is carefully cut, polished, and shaped into slabs or specific designs. This phase is where the stone's natural beauty is enhanced, revealing the intricate patterns and colors that make each piece unique.



The factory



# The Art and Science of Meta-Quartzite

Once the Meta-Quartzite is carefully extracted from the Rainbow Quarries, its transformation into a symbol of architectural beauty and durability begins. This transformative journey occurs at Las Vegas Rock's state-of-the-art facility in Jean, Nevada, where a blend of traditional craftsmanship and modern technology turns raw stone into works of art.

## The Art of Stone Cutting



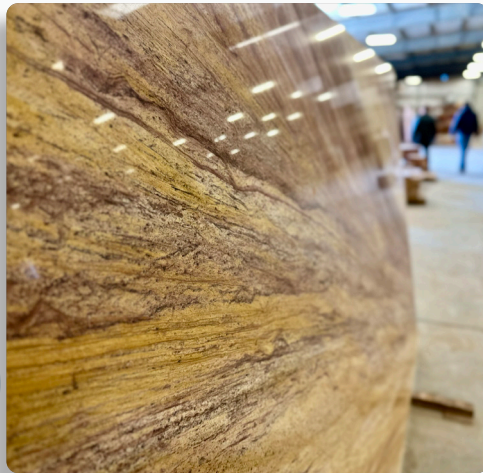
### Precision Cutting Techniques:

At the facility, each block of meta-quartzite is subjected to precision cutting. Utilizing advanced machinery, the stone is cut with accuracy, ensuring minimal waste and optimal use of each block.

### Customization for Projects:

Depending on the project's requirements, the stone can be cut into various sizes and shapes. This customization allows architects and designers to use the stone in innovative and diverse ways, from intricate patterns for flooring to large slabs for cladding.

## Polishing and Finishing: Revealing the Stone's Character



### Polishing Process:

After cutting, the stone undergoes a polishing process. This is where its true beauty comes to the forefront. The polishing reveals the stone's unique color variations, veins, and textures, each slab or tile becoming a natural masterpiece.

### Finishing Options:

The facility offers various finishes, from honed to polished, each providing a different aesthetic and functional quality. These finishes not only enhance the stone's appearance but also contribute to its durability and maintenance requirements.

## Quality Control: Ensuring Excellence



### Rigorous Inspection:

Quality control is paramount. Each piece of stone is rigorously inspected for flaws, consistency, and overall quality. This ensures that only the best material makes its way to the clients.

### Sustainability in Processing:

Aligning with our sustainability ethos, Las Vegas Rock employs eco-friendly practices even in stone processing, ensuring efficient use of resources and minimizing environmental impact.

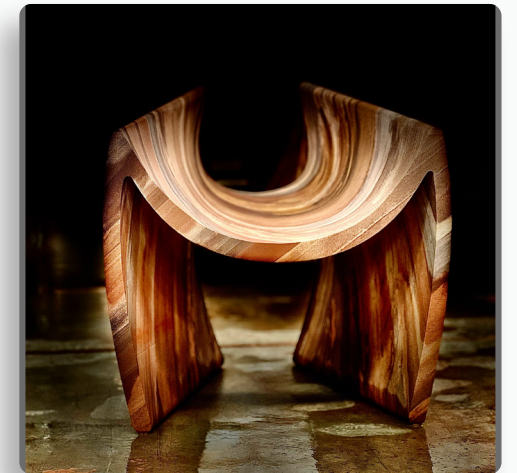
## Collaboration with Designers and Architects

### Custom Projects:

The facility's team works closely with Architects and designers, transforming their visions into reality. This collaboration is key in achieving customized aesthetics and functional requirements specific to each project.

### Technical Support:

Las Vegas Rock provides technical support, advising on the best uses of meta-quartzite in various architectural and design contexts.



### Safe Packaging:

Once the stone is crafted, it is carefully packaged for transport. This packaging is designed to protect the stone during transit, ensuring it arrives at the project site in perfect condition.

### Global Dispatch:

From Jean, Nevada, these stones embark on their final journey to various project sites, both locally and around the world, ready to add natural elegance and enduring strength to architectural endeavors.

## Packaging and Dispatch





# The Meta-Quartzite's Diverse Destinations



## Architectural Facades

The meta-quartzite is often used in the exteriors of buildings, where its durability and natural beauty create stunning facades. From commercial buildings to luxury resorts, the stone's resilience against weather elements makes it a preferred choice.



## Interior Design

Inside homes and buildings, the stone finds its place in flooring, wall claddings, and as decorative elements. Its unique textures and colors add a touch of sophistication to any space.



## Landscaping Features

Beyond buildings, meta-quartzite is also a popular choice in landscaping. It's used in outdoor pathways, garden features, and as decorative boulders, harmoniously blending built environments with natural landscapes.

# Collaborations with Construction and Design Teams

## Technical Coordination

The installation of meta-quartzite requires precise coordination with construction teams. Las Vegas Rock works closely with contractors, architects, and designers, providing guidance on handling and installation techniques to ensure the stone's qualities are perfectly showcased.



## Customized Solutions

Understanding that each project has its unique demands, Las Vegas Rock offers tailored solutions. This can range from custom-cut sizes to specific finishes that align with the project's aesthetic and functional requirements.





# Quarry Products



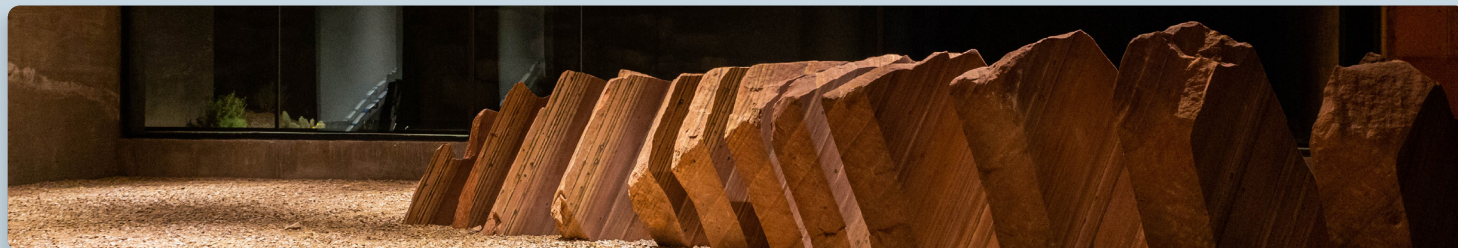
## Landscape Rock:

Enhance the beauty of your outdoor spaces with our natural stone landscaping products, designed to complement any environment.



## Natural Boulders for Seating:

Perfect for adding a natural touch to hiking trails or outdoor spaces, our natural boulders offer a unique and eco-friendly seating solution, blending seamlessly with the surrounding environment.



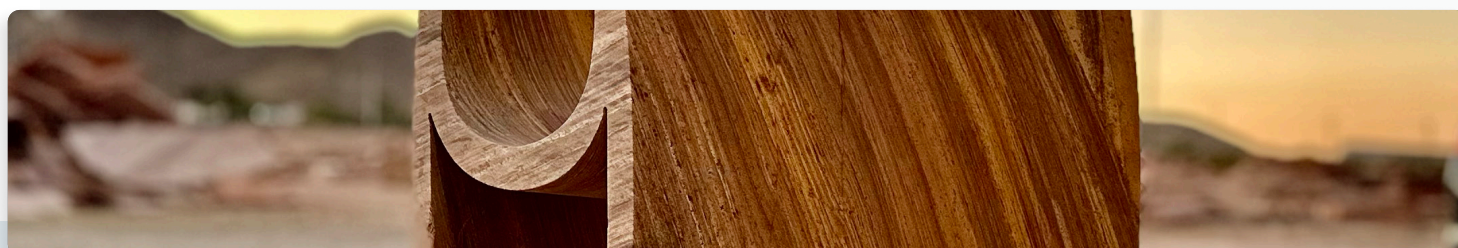
## Custom Stonework:

From your vision to reality, our custom stonework services are here to create unique pieces that cater to your specific design needs.



## Gabion Walls Solution:

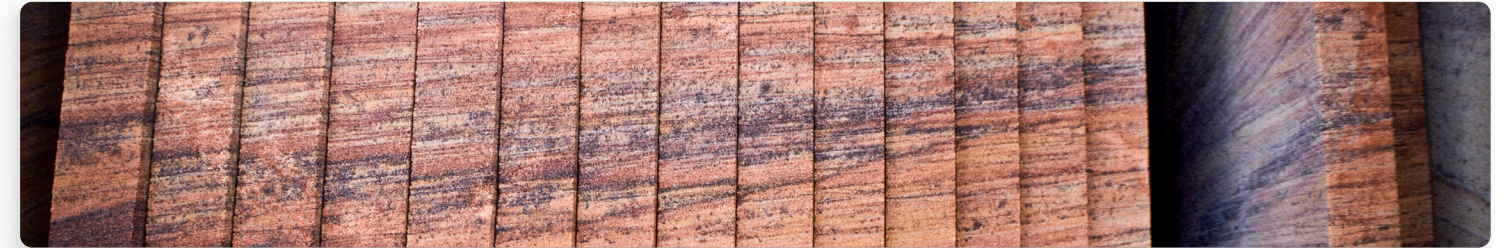
Customized solutions for gable walls, catering to architectural needs.



## 3D ART:

Customizable stone art created using a Pellegrini five-axis saw for intricate designs.

# Products



## Slab Material:

Offering large, versatile stone slabs that can be custom-fitted for a wide array of projects, ensuring a match for every design.



## Cut-to-Size Panels:

Ready-to-install pre-cut stone panels, designed for ease of use in a variety of architectural contexts.



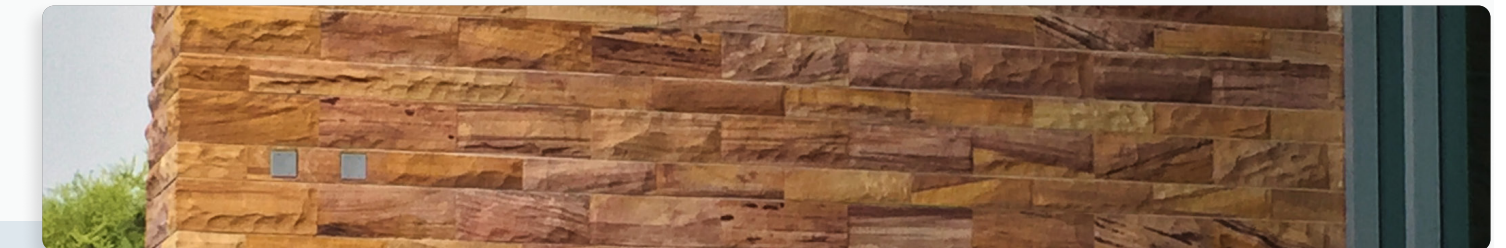
## Flooring:

Discover the durability and unparalleled aesthetics of our stone flooring options, providing a timeless elegance to any space.



## Planking:

Our stone planking solutions are suitable for a range of applications, offering long, narrow pieces of stone for versatile design possibilities.

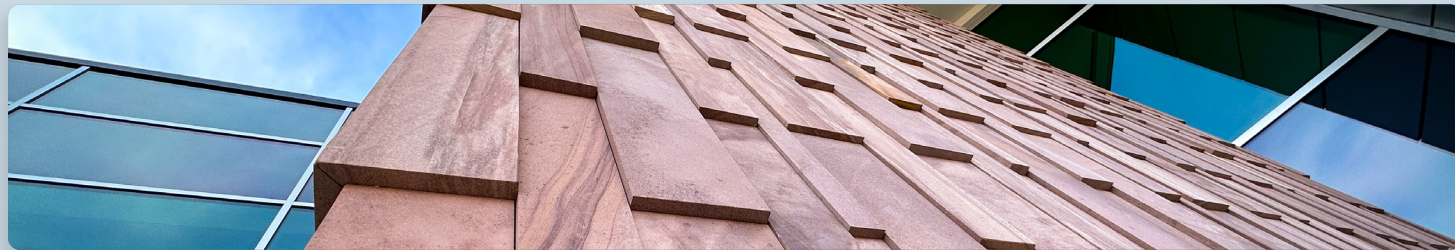


## Nominal Split-Face and Random Split-Face

Add texture and depth to your projects with our nominal split-face stone or Random Split-Face, ideal for creating visual interest.



# Products



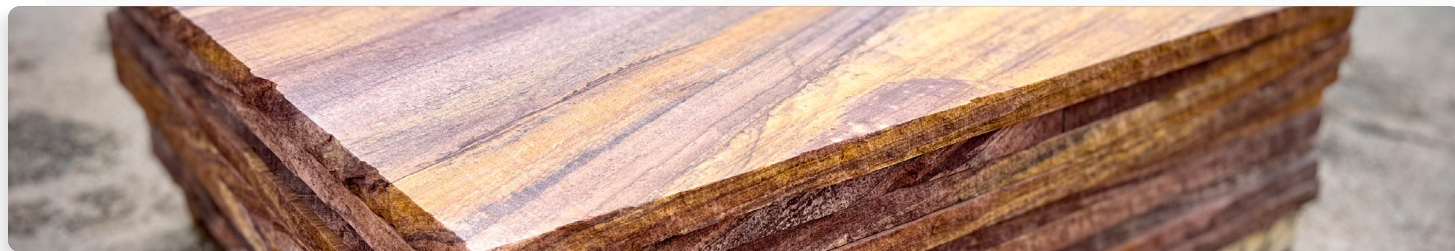
## Vegas Cut Collection:

Our signature collection features meticulously crafted stone, tailored to perfection for a variety of architectural applications.



## Feature walls:

Elevate your architectural projects with our stunning stone feature walls, providing a touch of elegance and durability that stands the test of time.



## Modern Flagstone Slabs:

A contemporary take on classic flagstone, available for various applications.



## Finished Flagstone:

Available with honed and natural finishes, offering versatility for design projects.



## Water Features:

Transform your outdoor spaces into serene retreats with a custom water feature. From cascading waterfalls to tranquil ponds, our stones add a natural, soothing element to any landscape.

## Texturized Stone:

from Las Vegas Rock embodies innovation and natural beauty, offering a versatile range of stone products ideal for adding texture and depth to both interior and exterior designs. This selection emphasizes the unique patterns, durability, and aesthetic appeal of stone, making it a preferred choice for architects and designers aiming to create spaces that stand out. For more details on their texturized stone options, including applications and finishes, visit [www.VegasRock.com](http://www.VegasRock.com).



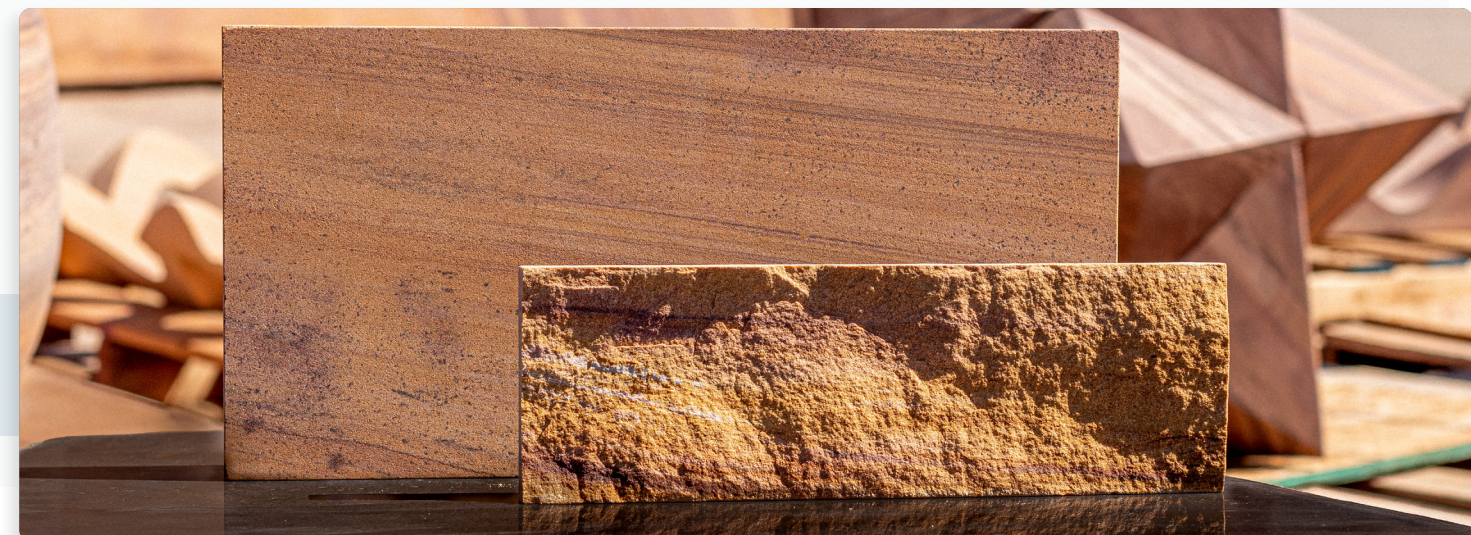
## Drago



## Grooved

## Second Sizes:

at Las Vegas Rock, we've curated a selection designed to enhance any project with elegance and versatility. This range includes various dimensions and finishes tailored for diverse applications, ensuring your design needs are met with quality and style.





Discover the Unique Charm of Our “Second Sizes” Collection

We invite you to explore the exclusive range of our “Second Sizes” at Las Vegas Rock, where innovation meets nature’s artistry. Whether you’re crafting a majestic outdoor landscape or seeking that perfect accent for your architectural project, our collection offers an array of dimensions and finishes tailored to your unique vision.

Don’t miss the opportunity to see what we have in stock or to find out how we can customize our offerings to suit your needs. Connect with us today by visiting our website Vegasrock.com, sending an email to Geninfo@vegasrock.com, or giving us a call at 1 (702) 791-7625.

Let’s create something extraordinary together with the beauty and versatility of stone.

Second Sizes:

- 4” x 6” to 18” Random: 2.5 cm split face.
- 6” x 6” to 18” Random: 1 inch (2.5 cm) split face.
- 4” x 12” Panel: Thicknesses of 3/8” (1 cm), 1/2” (1.3 cm); finishes include honed, antique, polished.
- 4” x 16” Panel: Thicknesses of 5/8” (1.7 cm), 3/4” (2 cm); finishes include honed, grooved, textured.
- 6” x 12” Panel: Thicknesses of 1/2” (1.3 cm), 5/8” (1.7 cm); honed finish.
- 6” x 16” Panel: 5/8” (1.7 cm), 3/4” (2 cm); finishes include honed, grooved, textured.
- 6” x 24” Panel: 5/8” (1.7 cm), 3/4” (2 cm); various finishes.
- 8” x 16” Panel: 5/8” (1.7 cm), 3/4” (2 cm); finishes include honed, windswept, sealed, grooved, textured.
- 8” x 24” Panel: 5/8” (1.7 cm), 3/4” (2 cm); honed finish.
- 12” x 24” Panel: 5/8” (1.7 cm), 3/4” (2 cm); finishes include honed, windswept, sealed.
- 12” x 36” Panel: 3/4” (2 cm); honed finish.

This comprehensive list includes all the sizes and finishes you mentioned, capturing the full range of Las Vegas Rock’s stone panel offerings.

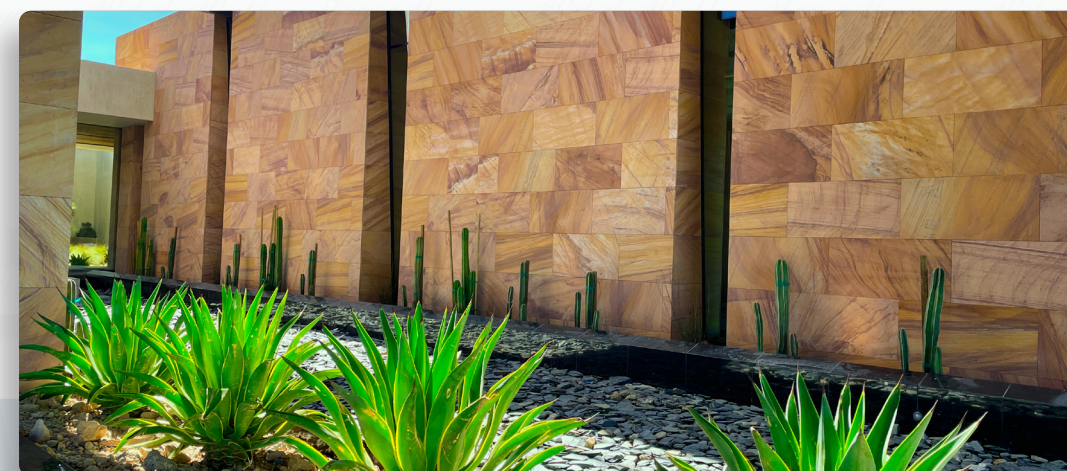
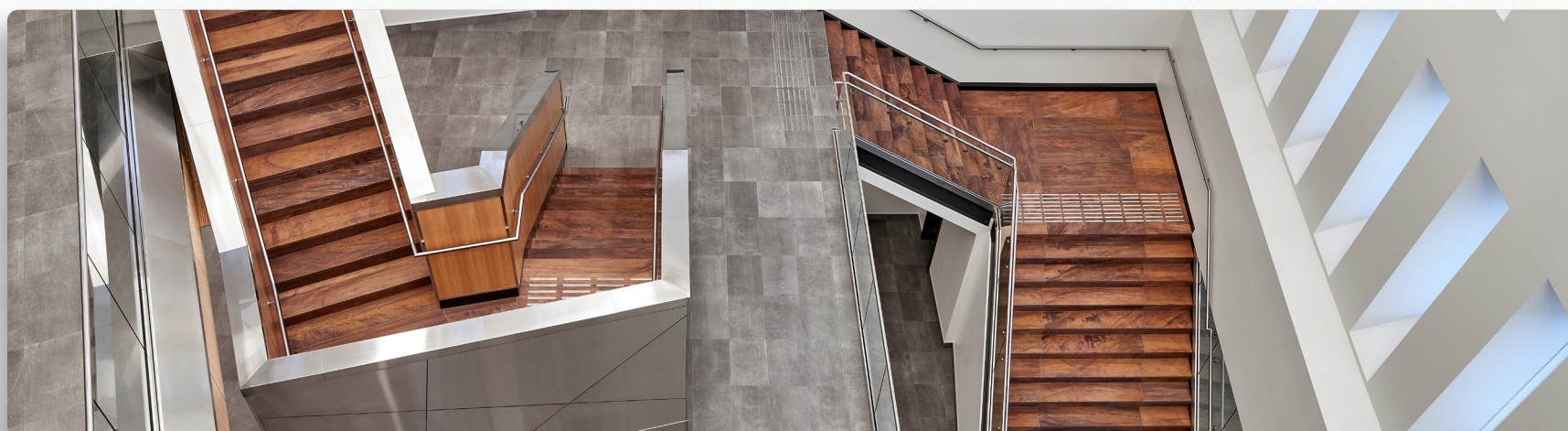
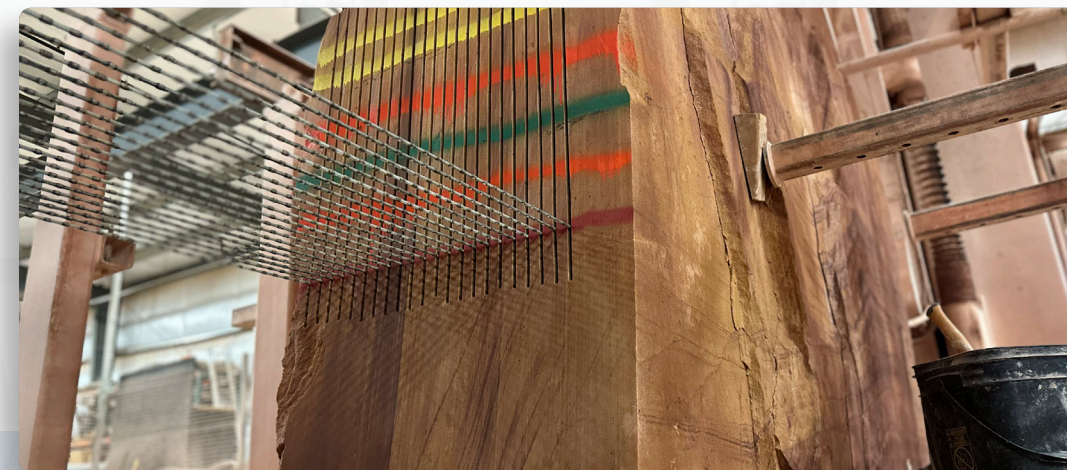


American Society for Testing Materials International  
(ASTM)  
**Meta-quartzite**  
From the Rainbow Quarries (est. 1920)

Technical Information			Value (Average)	ASTM Standards
Water Absorption - % by weight 0.20% Marble to 12% Low Density Limestone			2.92%	C-97
Density - Pounds per Cubic Foot (lbs./cu. ft.)			145.40 lbs	C-97
Bulk Specific Gravity 62.4 lbs – 1 cubic foot of water			2.329	C-97
MOH’s Scale Scratch Test 1 – lowest Talc to 10 - hardest Diamond			5.50	
Modulus of Rupture (psi)	Dry	Parallel to rift	1,120	C-99
		Perpendicular to rift	1,630	
	Wet	Parallel to rift	940	
		Perpendicular to rift	1,380	
Compressive Strength (psi)	Dry	Parallel to rift	11,660	C-170
		Perpendicular to rift	13,410	
	Wet	Parallel to rift	11,180	
		Perpendicular to rift	10,510	
Flexural Strength Test	Dry	Parallel to rift	940	C-880
		Perpendicular to rift	1,820	
	Wet	Parallel to rift	600	
		Perpendicular to rift	1,380	
Abrasion (Resistance to wear)			27.90%	C-1353









# Impact on Spaces

## Transforming Environments:

Once installed, meta-quartzite has a transformative effect on spaces. It brings a piece of the earth's history into human environments, creating a connection between nature and the built world.

## Longevity and Timelessness:

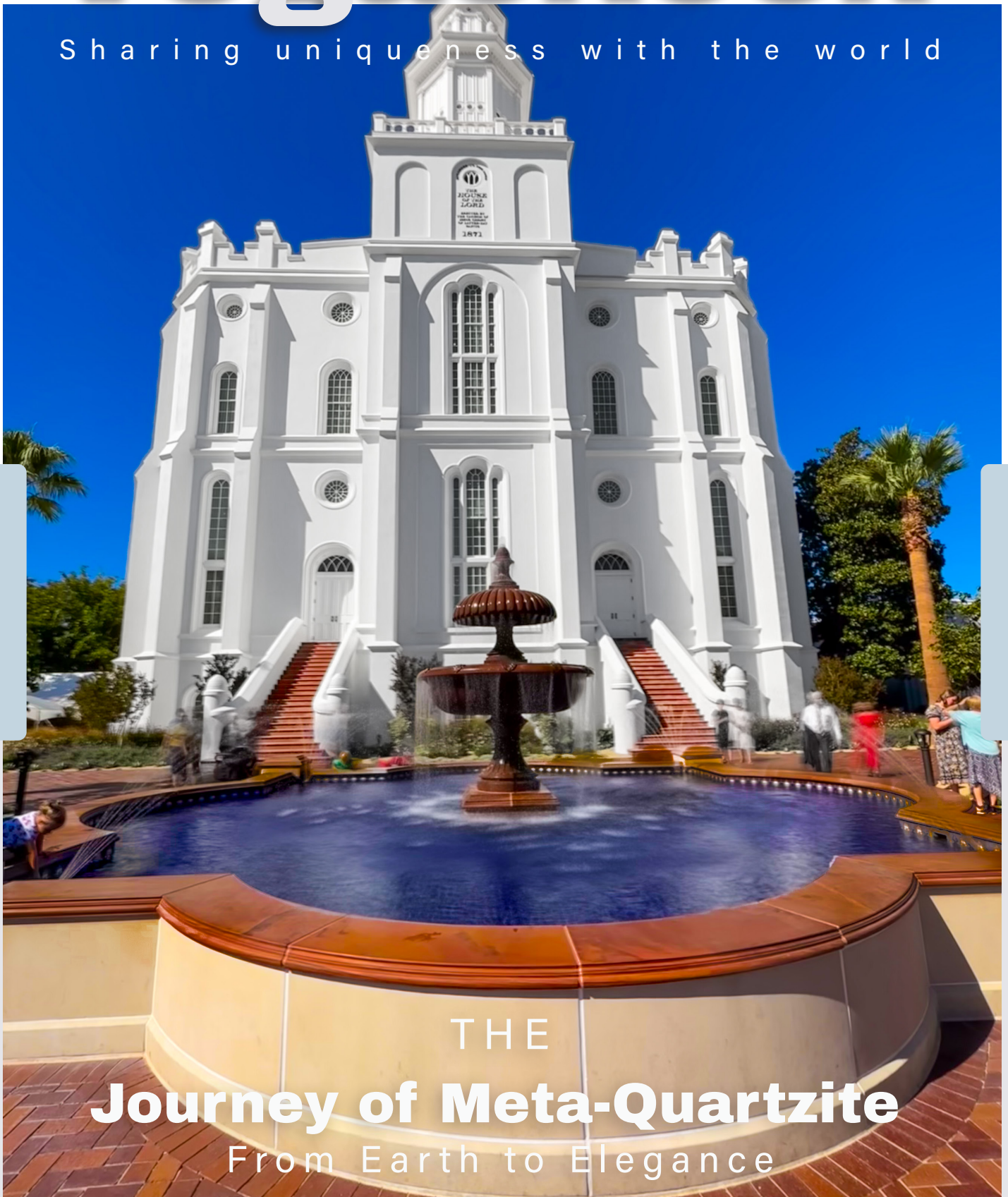
The stone's durability ensures that it stands the test of time, both in terms of structure and style. Its timeless elegance remains relevant and appealing across generations.





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*Las Vegas Rock's meta-quartzite, a marvel from the Rainbow Quarries to the masterful crafting in Jean, Nevada, embodies the beauty of the earth and the finesse of human craftsmanship. This unique stone, rich in history, enhances diverse architectural designs with its elegance. Each installation reflects deep respect for the material and the environment. More than just a building material, Las Vegas Rock's meta-quartzite is a legacy shared globally, uniting spaces and cultures with its distinct natural beauty.*