EP®

CLIMBING

INTEGRATING CLIMBING WALLS INTO ARCHITECTURAL DESIGNS

CONTENTS

EP USA

Inspired by our hometown crag, Smith Rock State Park, EP USA was established through a partnership with EP France in 1988 with a mission to make world-class climbing accessible to everyone. Since our first artificial climbing walls 40 years ago, EP has built more than 7,600 climbing walls and boulders worldwide, using state-of-the-art technology and design. Our boulders are made at our U.S. office in Bend, Oregon.

The decision to work with EP means you'll be collaborating with the most reliable wall building partner in the industry: an expert team of craftspeople and climbers- who also happen to be industry-leading consultants, designers, engineers, and project managers, who work hand-in-hand with you to supply custom-built products supported by high quality service. As a leader in the climbing industry, we take pride in delivering complete climbing wall solutions to our customers by designing your vision and building it into a reality. EP prides itself on delivering innovative, advanced climbing facilities purposefully crafted to evolve with the sport of indoor climbing.

From sparking the first sport climbing revolution with our Freeform walls, to making history as the official supplier of climbing walls at the Olympics, EP brings climbing to everyone.

PROJECTS WE BUILD

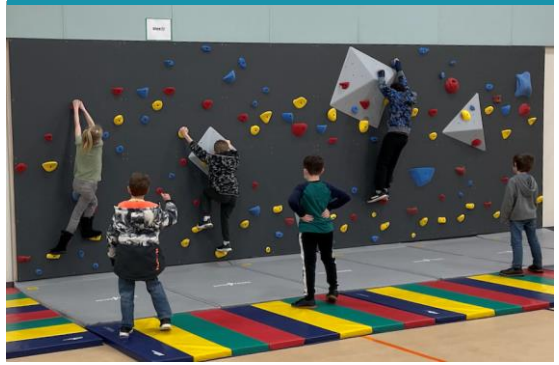
COMMERCIAL GYMS

UNIVERSITIES

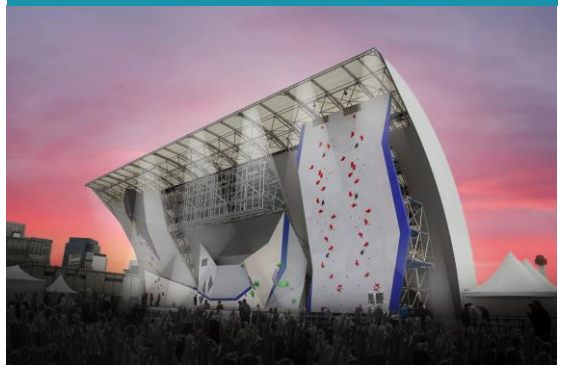
PARKS AND REC

MILITARY

PRIMARY & SECONDARY SCHOOLS



COMPETITION AND EVENTS



SERVICES WE OFFER

DESIGN & BUILD SERVICE

- Building analysis - new construction or remodel
- Massing design, preliminary budget & schedule
- 3D climbing wall surface design
- Preliminary engineering

SERVICES & TRAINING

- General climbing wall management
- Staff training
- Route training
- Holds & equipment consultation

INSPECTIONS & MAINTENANCE

- Inspector qualifications meet Climbing Wall Association guidelines
- Primary & secondary support structure - building connections
- Climbing anchors & surface
- Climbing area & equipment
- Minor maintenance & repairs - Including painting, anchor upgrades & t-nut/backer plate replacement

RETAIL & RENTAL EQUIPMENT

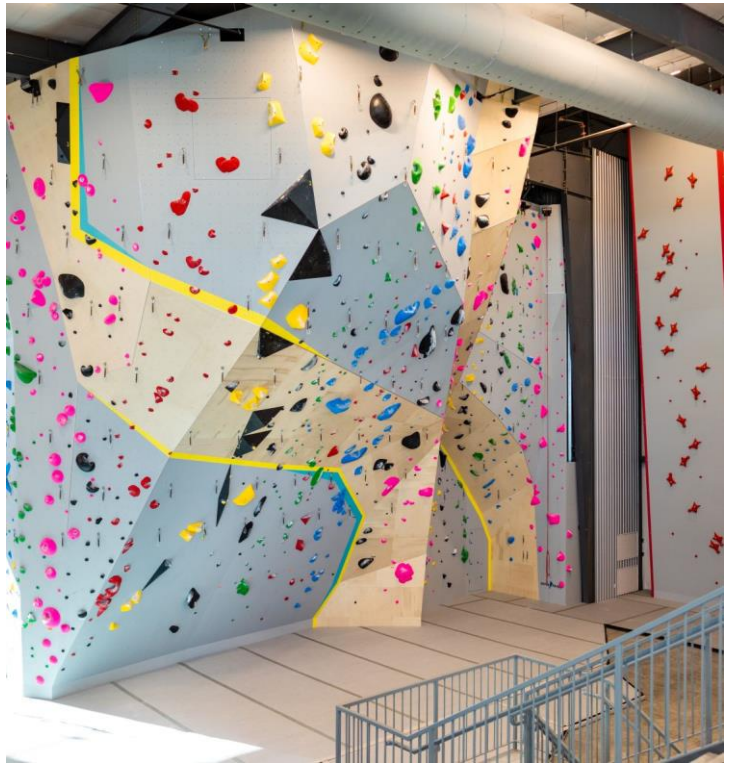
- Rental equipment replacement – shoes & harnesses
- Wall parts & equipment such a t-nuts, backplates & belay bars

As pioneers of indoor climbing, EP specializes in designing, building, inspecting, and maintaining state-of-the-art climbing walls. With our comprehensive range of services, we support you in caring for your walls through their entire life span.

TYPES OF CLIMBING

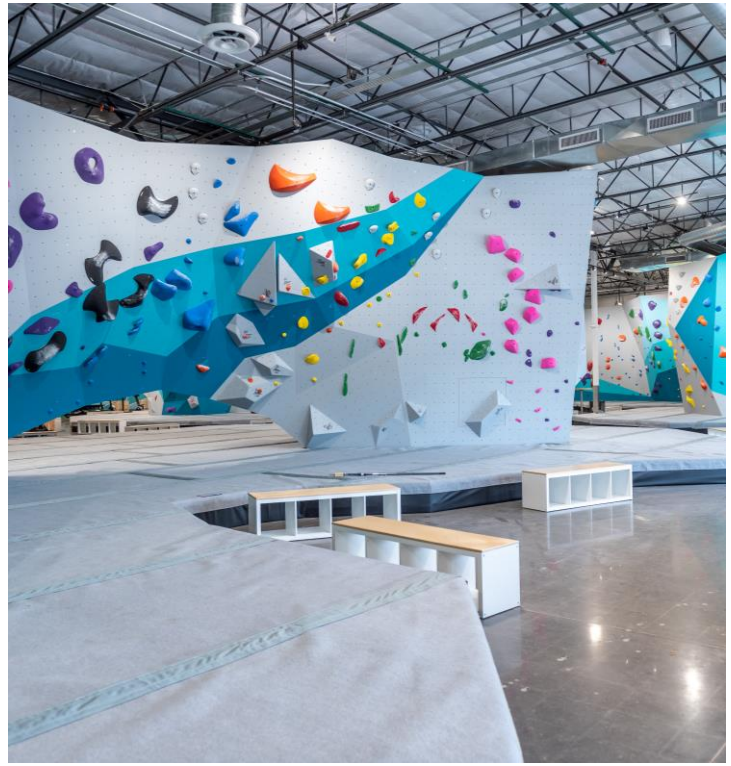
TOP ROPE

Climber is securely attached to a climbing rope that runs through a fixed anchor at the top of the wall and back down to the belayer at the base of the climb.



LEAD

Climber clips their rope to the protection points as they ascend the climbing route with the belayer at the bottom of the climb.



BOULDERING

Climbing on short walls without the use of ropes or harnesses.

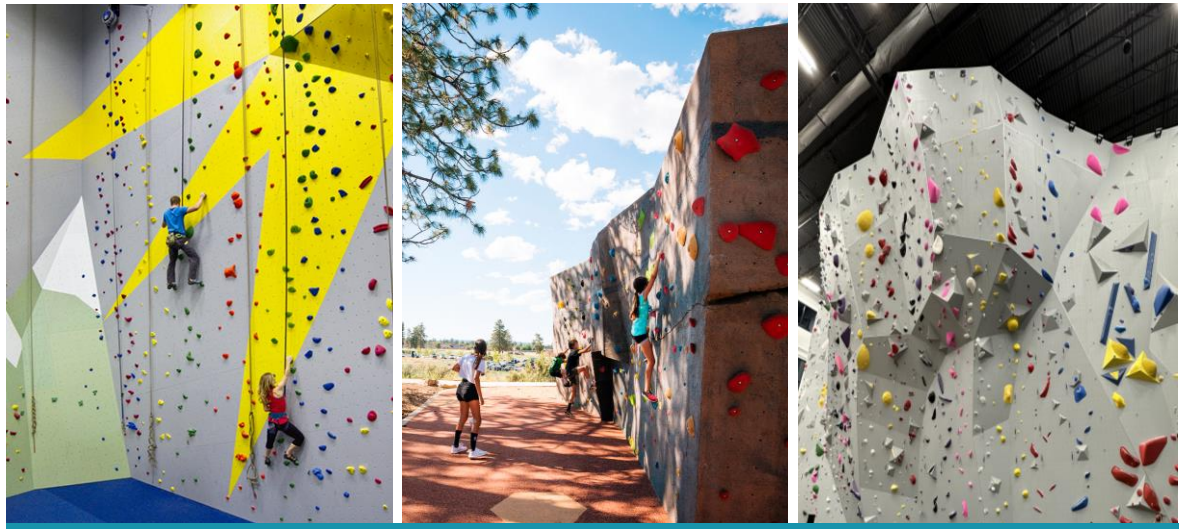
CLIMBING WALL EVOLUTION

Outdoor climbers were looking for a way to train year-round, that simulated real rock. Thus came the innovation of indoor rock climbing in the 1990's which made rock climbing accessible to everyone.

The evolution of climbing walls from real rock to the modern texture is due to the limiting features and hand holds for route-setting. Modern walls challenge climbers with different types of movement and a wider range of difficulty in climbing routes. The modern surface has also elevated climbing competitions which is now an Olympic Sport.

While gyms and schools have found success with the modern walls, outdoor parks and recreation departments prefer real rock to integrate into their outdoor environment.

EARLY YEARS OF CLIMBING



CURRENT CLIMBING WALLS

INDOOR CLIMBING TRENDS

- Indoor Climbing has over 5.6 million participants
- Increase growth of 7.1% over the past two years
- 48 climbing gyms built in 2023 across the U.S and Canada
- USA Climbing offers youth, college, elite, and paraclimbing competitive series which feeds into World Cup events and Olympics.
- American Scholastic Climbing League, currently in 6 states, hosts a competitive climbing league for middle and high school students.

WELLNESS BENEFITS OF CLIMBING

- Improves flexibility & balance
- Improves cardio fitness
- Full body work out
- Builds muscle strength
- Enhances memory and problem solving
- Improves communication
- Builds community & trust

BENEFITS OF CLIMBING IN EDUCATIONAL SETTINGS

- Climbing aligns with **national PE standards**.
- **Develops motor skills**, including agility, speed, coordination and balance.
- Fitness challenge enhances **decision-making** and **problem-solving** skills.
- Provides **social benefits**, like teamwork, communication, and cooperation.
- Develops **interpersonal skills** by increasing confidence, strengthening relationships and providing stress relief.
- Climbing's **barrier to entry is minimal**.
- Climbing spaces can be created by adapting low use areas of your facility, including outside areas.
- Climbers **cross participation** activities include weightlifting, running, fitness classes, recreational swimming, yoga and more.

EVP CLIMBING

WALL SURFACE TECHNOLOGY

MONTANA STATE UNIVERSITY, 2024

MOZAIK TECHNOLOGY

INDOOR SOLUTION

MOZAIK SURFACE TECHNOLOGY

MATERIAL	Baltic Birch Plywood
THICKNESS	21 mm / 15 ply
HOLD INSERTS PER SQ. FT.	3 Average
SURFACE GUARANTEE	Up to 5 Years
ROUTE SETTING	Highest T-nut Density
ENVIRONMENT	Indoors
COLORS	 CUSTOM COLORS AVAILABLE

- Ergonomic Top Rails
- Mitered Closed Edges
- Eased Edges at Steep Transitions
- Self-Guided T-Nuts
- Easy Maintenance
- No On-Site Manufacturing Required
- Fast & Clean Installation
- Friction Resistant to Shoe Marking
- Rope Guard System
- Meets International Competition Standards

INDOOR & OUTDOOR SOLUTION

MOZAIK XP SURFACE TECHNOLOGY

MATERIAL	Fiberglass Composite
THICKNESS	.74in / 19 mm
HOLD INSERTS PER SQ. FT.	3 Average
SURFACE GUARANTEE	Up to 5 Years
SHAPE	Flat / Geometric / 2-D Shapes
ENVIRONMENT	Indoors / Outdoors (Weatherproof)
COLORS	 CUSTOM COLORS AVAILABLE

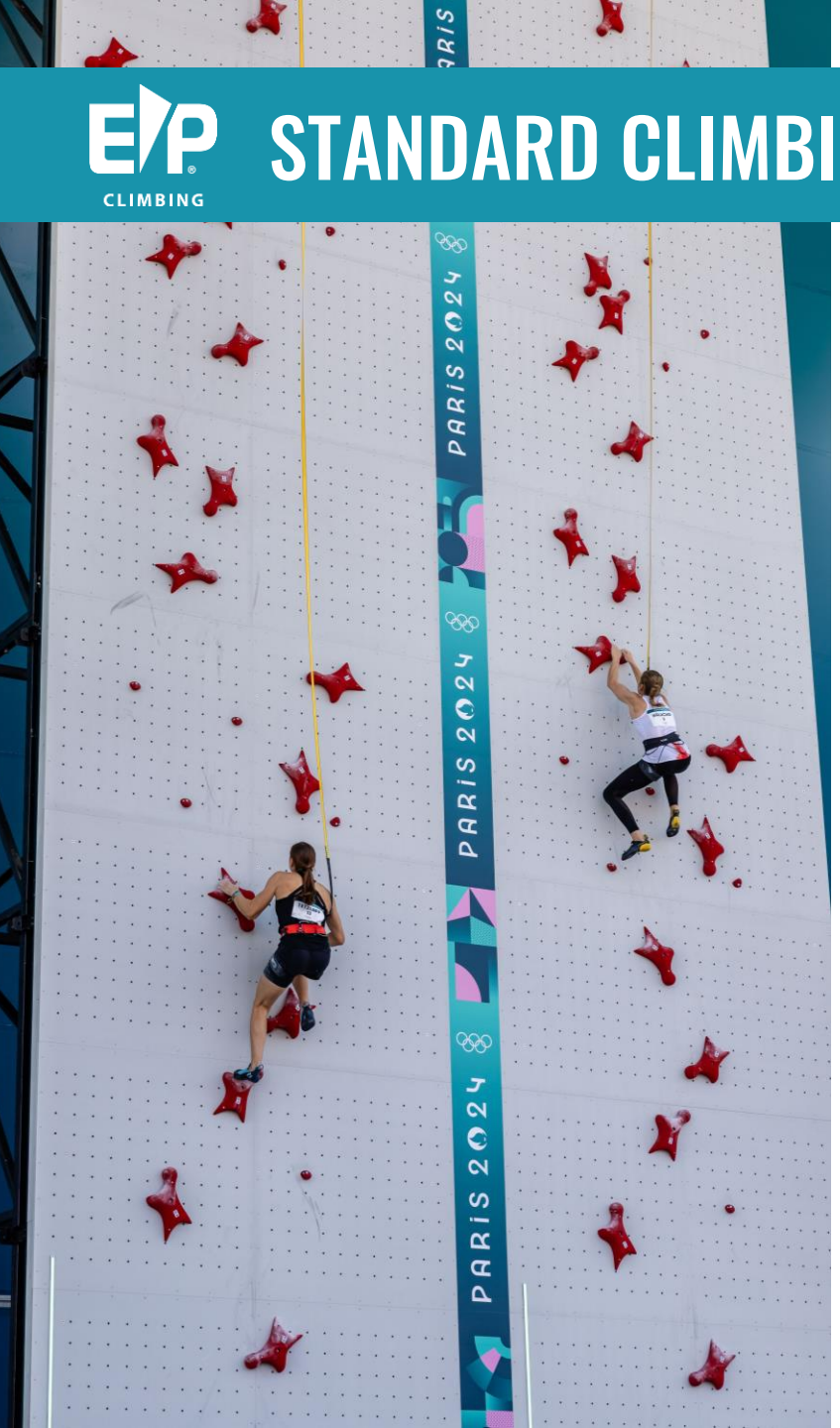
- Ergonomic Top Rails
- Mitered Closed Edges
- Eased Edges at Steep Transitions
- No Exposed Edge Fasteners
- No On-Site Manufacturing Required
- Fast & Clean Installation
- Friction Resistant to Shoe Marking
- Rope Guard System

FREEFORM SURFACE TECHNOLOGY

MATERIAL	Fiberglass Composite
THICKNESS	.5-2 in / 12.7-50.8 mm
HOLD INSERTS PER SQ. FT.	0-4 Depending on Natural Features
SURFACE GUARANTEE	Up to 5 Years
ROUTE SETTING	All Ability Levels, Beginner – Advanced
SHAPE	100% Hand Sculpted
ENVIRONMENT	Indoors / Outdoors (Weatherproof)
COLORS	 SANDSTONE  GRANITE  BASALT CUSTOM COLORS AVAILABLE

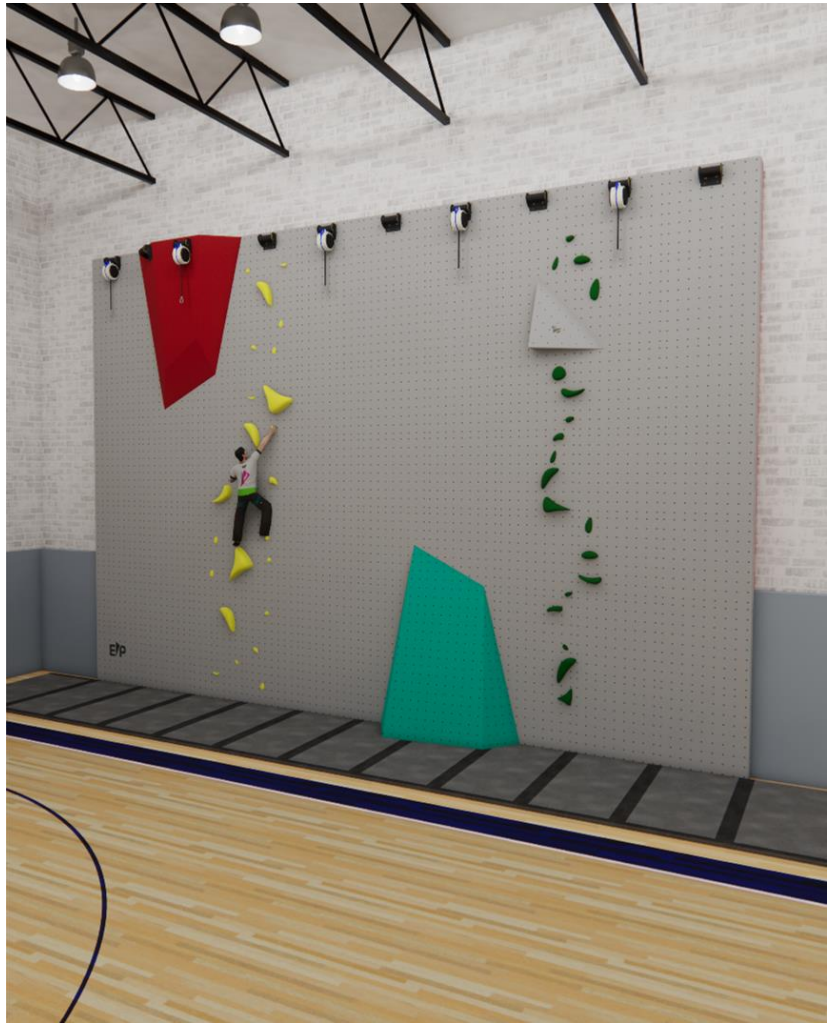
- Ergonomic Top Rails
- Resembles Real Rock Formations
- No Manufacturing On-Site
- Fast & Clean Installation
- Joints Prepared as Natural Crack Features

STANDARD CLIMBING PRODUCTS



ESSENTIAL WALLS

COST EFFECTIVE MODULAR WALL SOLUTION



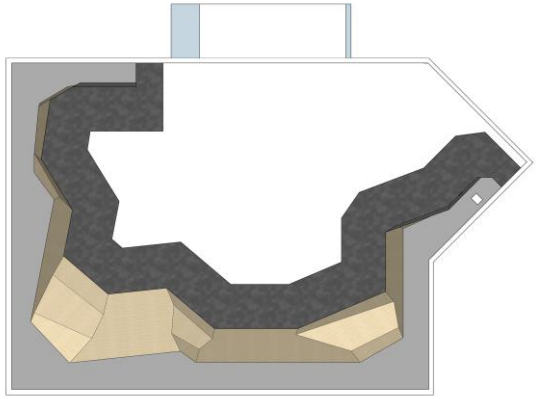
KEY FEATURES:

- A turnkey solution, designed for schools and recreation centers to incorporate climbing into their facility.
- Modular design for easy integration, with minimal disruption.
- Optimized for cost- efficiency, lead time, streamlined project management, and installation.

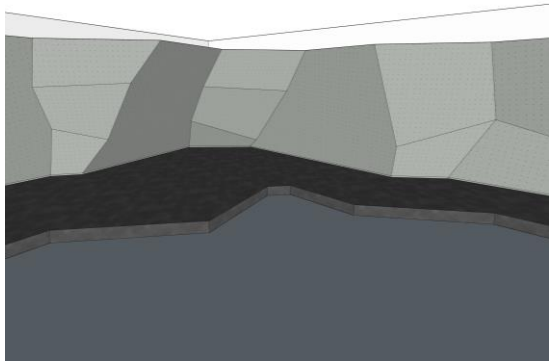
MATERIAL BASE	BIRCH PLYWOOD
THICKNESS	18 MM / 13 PLY
HOLD INSERTS PER SQ. FT	3 AVERAGE
SURFACE GUARANTEE	UP TO 5 YEARS
COLORS	GREY WALLS ONLY STANDARD COLOR VOLUMES
ROUTE SETTING	BEGINNER TO INTERMEDIATE
ENVIRONMENT	INDOORS

CONSIDERATIONS

FOR INCLUDING CLIMBING WALLS INTO YOUR BUILDING



- Climbing roped walls have structural requirements.
- Rope wall plan for structural attachment are in 16 ft increments.

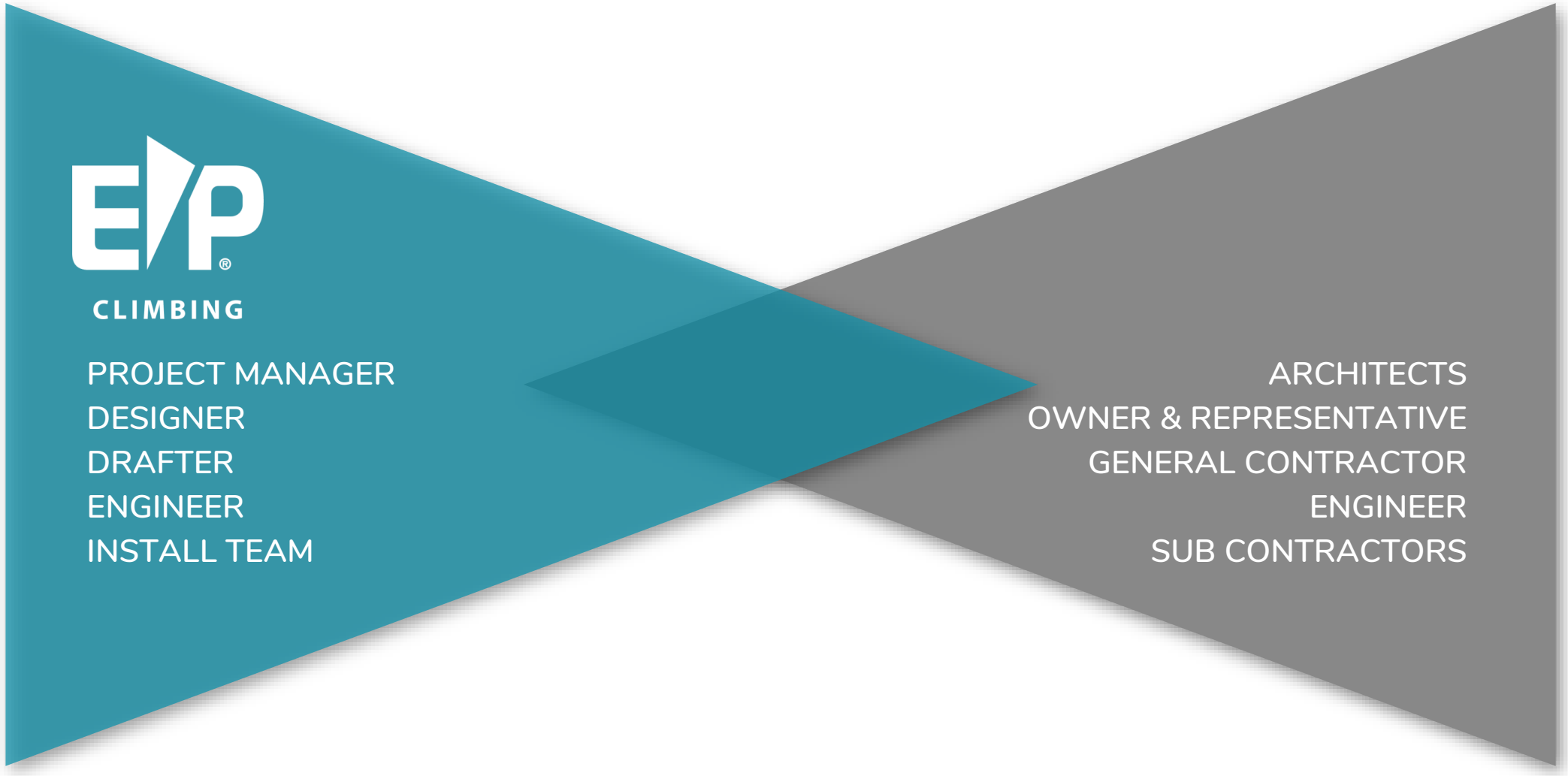


- Boulder walls are lower in height and have less structural requirements.
- Boulder plan for structural attachment are in 15 ft increments.

EVERY BUILDING IS DIFFERENT: New, remodel, addition to existing building.

- Freestanding elements may require thicker footings along with wider footprints.
- Lighting enhances the experience through safety, positioning, color, and types along with issues around mixed lighting.
- Air Filtration and destratification of air considerations.
- Egress from climbing areas considered with industry applicable fall zone standards.
- Architectural element of climbing wall is both an aesthetic form and a functional part. When designing a climbing wall consult with a wall designer or builder early in the process.

PROJECT APPROACH



TIMELINE OF YOUR PROJECT

CONTACT
Connect with EP to discuss integrating climbing into your project.

PROPOSAL
Estimate provided based off wall design and scope of project.

CONTRACT
EP project manager assigned to your project, timeline and install dates confirmed.

CDS
Construction documents and EP technical and engineering study after final approval of design.

MANUFACTURING
EP manufacturing facilities specialize in different products for the highest quality products.

INSTALLATION
CSCS approved, Pasma Certified.
IPAF Certified.
Full Risk Assessment provided.
Full Method Statement provided.
Health & Safety Policy provided.

ON-GOING SERVICE & MAINTENANCE

Our high level of service will continue throughout the completion of your project and beyond. Your dedicated team will be on hand to offer support and answer any questions, every step of the way.

THANK YOU

EP CLIMBING

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