

FL



ENHANCING  
PROGRESSION  
2014

BIKE RAMP  
FORM







# FLOWFORM BIKE RAMPS

## ENHANCING PROGRESSION

WE SUPPORT TRAIL BUILDERS BY PROVIDING DURABLE, ATHLETE INSPIRED PRODUCTS DESIGNED FOR ALL SKILL LEVELS AND ABILITIES.

“With the passion for bicycle playgrounds we strive to enhance your projects by delivering consistent engineered products on time, while focusing our design on easy installation for builders, reliability for managers & fun progression for the end user.”



+ CECELIA RAVINE



+ VALMONT



+ VALMONT



+ WHISTLER MOUNTAIN BIKE PARK,  
WHISTLER, BC



+ VALMONT BIKE PARK, BOULDER, CO



+ VALMONT BIKE PARK, BOULDER, CO







+ VALMONT



+ VALMONT



+ CHESTERMERE



+ WHISTLER



+ WHISTLER MOUNTAIN BIKE PARK, WHISTLER, BC

## PROJECT EXPERIENCE:

- + WHISTLER MOUNTAIN BIKE PARK, WHISTLER, BC
- + WHISTLER VILLAGE POCKET PARK, WHISTLER, BC
- + PRINCE GEORGE MINI BIKE PARK, PRINCE GEORGE, BC
- + QUEEN CHARLOTTE BIKE PARK, QUEEN CHARLOTTE, BC
- + CECILIA RAVINE BIKE PARK, VICTORIA, BC
- + CHESTERMERE BIKE PARK, CHESTERMERE, AB
- + INVERGARRY BIKE PARK, SURREY, BC
- + TOLKAN BIKE PARK, SHELTER COVE, CA
- + MCNEARNEY BIKE PARK, PONDERAY, ID
- + VALMONT BIKE PARK, BOULDER, CO
- + RHYOLITE BIKE PARK, CASTLE ROCK, CO
- + FERNIE COMMUNITY PARK, FERNIE, BC
- + SEA OTTER CLASSIC, MONTEREY, CA



+ TOLKAN BIKE PARK, SHELTER COVE, CA



+ VALMONT BIKE PARK, BOULDER, CO



+ VALMONT BIKE PARK, BOULDER, CO





## WHY A BIKEPARK?

### BENEFITS OF A BIKE PARK

FAMILY FRIENDLY ACTIVITY

SAFE & CONTROLLED ENVIRONMENT FOR OUTDOOR BIKE RIDING

HEALTH & WELLNESS BENEFITS

COMMUNITY ENGAGEMENT & SOCIAL INTERACTION

STRESS REDUCER

MULTI-GENERATIONAL APPEAL

OPPORTUNITIES FOR A WIDE RANGE OF SKILL LEVELS

LOW COST PUBLIC RECREATION

A bike park is broad term used to describe a dedicated piece of land specifically developed for aggressive off-road bike riding. Bike parks often include gravity trails, freeride parks, skills courses, pump tracks, or any combinations thereof. While there are currently many miles of trails available for passive recreation, many riders seeking more challenging terrain are taking it upon themselves to build constructed trail features, often without permission and/or on unauthorized lands. This unauthorized trail use causes conflict between riders and land managers and often result in trail closures and potential legal action. With over 57 million people riding bikes in North America, the need for the community to have a safe and controlled environment to enjoy challenging riding opportunities is clear.

The health benefits of riding bicycles are wide spread and well documented. From combating obesity & nature deficit disorder in children to strengthening family bonds, riding a bicycle outdoors is a positive and encouraged activity for people of all ages. Bike parks and trail features can be integrated into existing park systems, master plan communities, multi-use trails, placed adjacent to skate parks, or used to re-purpose vacant lands. With many design and budget options available, a bike park is a reachable solution for communities of all sizes.

“  
**57** MILLION **PEOPLE RIDE BIKES IN NORTH AMERICA**  
”







## WHY FLOWFORM?

FlowForm Bike Ramps is the low maintenance solution to your community's bike park needs. With our expertly designed, precision manufactured equipment your bike community will enjoy many years of challenging riding terrain. Because our equipment is designed to be interconnected and adjustable, your park can be reconfigured and expanded as your bike community grows.

FlowForm offers many options to integrate features into your bike park or trail system. Whether through direct purchase and installation supervision from our in-house staff or specified in bids by expert trail designers and landscape architects, integrating FlowForm into your project is easy and streamlined. Our expert team is ready to assist you in selecting the best ramp options to reach your bike park goals.

### BENEFITS OF FLOWFORM

REPLACEABLE RIDING SURFACE

ADJUSTABLE & EXPANDABLE

PRECISION MANUFACTURED

EASY ASSEMBLY & INSTALLATION

INFINITE DESIGN CONFIGURATIONS

DURABLE (DESIGNED TO WITHSTAND 600LB RIDER LOAD)

MULTIPLE PURCHASE OPTIONS AVAILABLE

“  
**THE** \_\_\_\_\_  
**LOW MAINTENANCE** SOLUTION TO YOUR COMMUNITY'S  
\_\_\_\_\_  
**BIKE PARK**  
”





## CONTENTS

|                                    |              |
|------------------------------------|--------------|
| <b>Enhancing Progression</b>       | <b>4</b>     |
| <b>Project Experience</b>          | <b>4</b>     |
| <b>Why a Bike Park</b>             | <b>4</b>     |
| <b>Why FlowForm</b>                | <b>5</b>     |
| <b>Contents</b>                    | <b>6</b>     |
| <b>FlowForm Features</b>           | <b>7</b>     |
| <b>Cam McCaul Signature Series</b> | <b>8</b>     |
| - Roaster                          | 9            |
| - Double-Bubble                    | 9            |
| <b>Launch Pad</b>                  | <b>10</b>    |
| <b>Transition Plate</b>            | <b>10</b>    |
| <b>Cannon Collection</b>           | <b>11</b>    |
| <b>Satellite Collection</b>        | <b>12</b>    |
| Satellite - Rocker - On/Off        | 13           |
| <b>Wallride Collection</b>         | <b>14</b>    |
| -Flat Wall / Curved Wall           | 15           |
| <b>Shore Bridge System</b>         | <b>16/17</b> |
| <b>Teeter Totter</b>               | <b>18</b>    |
| <b>Sunset</b>                      | <b>19</b>    |
| <b>Rainbow</b>                     | <b>20</b>    |
| <b>Precast Lips</b>                | <b>21</b>    |
| <b>Log Ride kits</b>               | <b>22</b>    |
| <b>Overpass Bridge</b>             | <b>23</b>    |
| <b>Contact Us</b>                  | <b>24/25</b> |



### PROJECT APPROACH:

Every City's needs are different. That's why FlowForm has developed multiple project delivery methods to make your community's bike park a reality. From site specific layouts to design collaborations with your local planning professionals, our experienced team will assist you through all stages of project development to ensure the right feature in the right location. Some of our delivery methods include:

### TURN-KEY DESIGN & INSTALLATION:

Our team will work directly with your City or interest group in generating a site-specific layout for direct purchase and installation. This option is great for smaller pocket-parks where space is limited, budgets are small, and ideas are big.

### TRAIL BUILDER SUPPORT:

As a trail builder, you know firsthand the commitment and effort required to see your bike park vision through to completion. We get it. That's why our ramps have been designed to perform at the highest levels, with variety of design and installation options. We support you with long lasting, high quality ramps to ensure your vision last for years after the last shovel of soil is thrown.

### SPECIFICATION & BUDGETING:

Because FlowForm offers ramps for all ages and skill level, our features can easily integrate into planned multi-use trails and passive recreation corridors. We offer a complimentary consultation service to landscape architects and land planners to explore opportunities to add challenge & thrill to your trail planning project. We then assist by providing cost estimates, bid specifications & technical drawings to ensure the projects vision is carried through to completion.

### SUPERVISED FACTORY INSTALLATION:

In an effort to maximize your projects budget, we offer the option of sending one of our installation experts to supervise your in-house or volunteer workforce in the assembly & installation of our ramp features. With our factory trained expert supervision, your project will be installed to manufacturer standards at minimal cost to the project stakeholders.

### INSTALL OPTIONS:

#### SPECIALTY INSTALL

To ensure quality, FLOWFORM "Specialty Ramps" require Qualified Bike Park Contractors for installation. We are happy to recommend one of our many partnered contractors based on your vision, your location and your site conditions.

### ALL FLOWFORM PRODUCTS FEATURE:

- + 10 Year Warranty on Steel Framework
- + Structurally Engineered
- + Pro Rider Designed Geometry
- + Tamper Proof
- + Low Maintenance
- + Modular Leg System
- + Replaceable Western Cedar Riding Surface
- + Custom Sizes Available

### FOOTING OPTIONS

- + Concrete Foundations
- + Earth Anchor
- + Timber Sill

### FRAME FINISH OPTIONS

- + Galvanized Steel
- + Stock & Custom Color Finishes Available

### RIDING SURFACE OPTIONS

- + Rough-cut Western Red Cedar
- + Pressure Treated Douglas-Fir
- + HDPE Plastic Lumber

 Compatible with **Transition Plate**. More info on pg 10.

### ABILITY LEVELS:

#### BEGINNER

The easiest features at a bike park. Green Circle features are generally wide and typically with mellow slope.

#### INTERMEDIATE

Intermediate difficulty features with grades commonly ranging from 25% to 40%.

#### ADVANCED

Amongst the most difficult at a bike park. Advanced features tend to be steep (typically 40% and up) and incorporate dynamic riding surface elements.

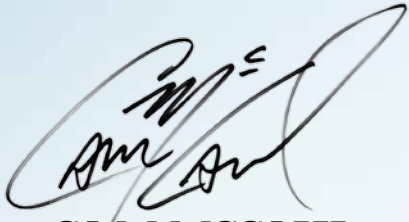
#### EXPERT

Expert features are intended only for the most experienced riders. Typically expert ramps are consequential and require a high level of skill.

#### PUBLIC WORKS INSTALL

Many of our Ramps are designed for smaller scale Pocket Parks, Bike Skill Areas and or Trail Enhancements in which qualified Public Works Staff could install with the help of our detailed FlowForm Installation Diagrams provided.





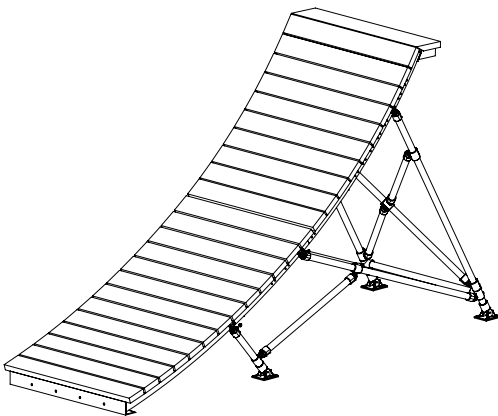
## CAM MCCAUL SIGNATURE SERIES

FlowForm Ramps is pleased to offer the Cam McCaul Signature Ramp Series. Cam worked side by side with our design team to develop ramp proportions that encompass his 10 year career as a professional athlete. Cam's ramps are designed to be fun, challenging, and encourage progression in young riders.



CAM MCCAUL FEATURED MAGAZINE COVERS

**"DESIGNING JUMPS THAT FLOW PROPERLY IS THE BIGGEST FACTOR IN KEEPING THINGS SAFE AND ALLOWING KIDS TO PROGRESS QUICKLY" - CAM**

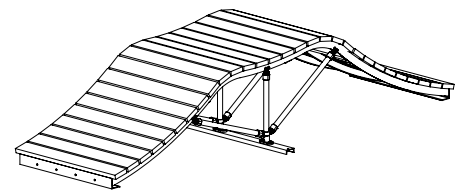


### ROASTER

The Roaster is the flagship of Cam McCaul's Signature line. It's 7.5' tall with a compound, dual radius that Cam personally developed. The ramp is designed for experienced riders looking for large lip with consistent pop.



**SIZE:** Height: 7'-6" / Length: 12'-10" / Width: 4'-0"

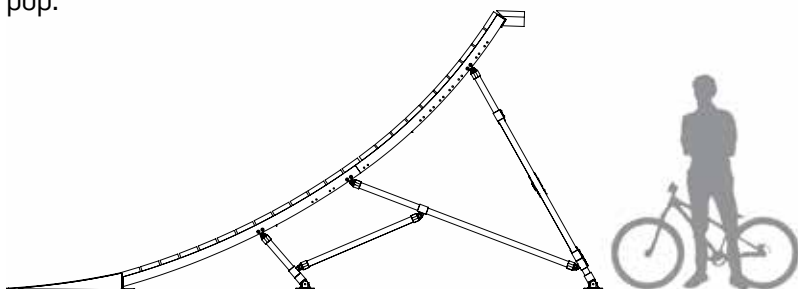


### DOUBLE BUBBLE

#### ABILITY LEVEL:

◆◆ ADVANCED / EXPERT

**INSTALL:** **S** SPECIALTY  
INSTALL





## ROASTER

NEW



## DOUBLE BUBBLE

NEW



The Double Bubble is new to the 2014 line and is quickly becoming one of our most popular features. Designed to mimic the experience of a dirt table-top, riders have the option of either jumping or rolling over the feature. The Double Bubble is available in 3 sizes to accommodate all ages and abilities.



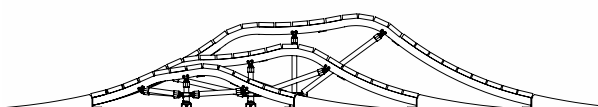
**SIZES:**  
**XS**-Height:1'-4"/Length:6'-9"/Width:4'-0"  
**S**-Height:2'-0"/Length:10'-10"/Width:4'-0"  
**M**-Height:3'-0"/Length:14'-8"/Width:4'-0"

### ABILITY LEVEL:



BEGINNER / INTERMEDIATE

**INSTALL:** **P** PUBLIC WORKS  
 INSTALL





## LAUNCH PAD



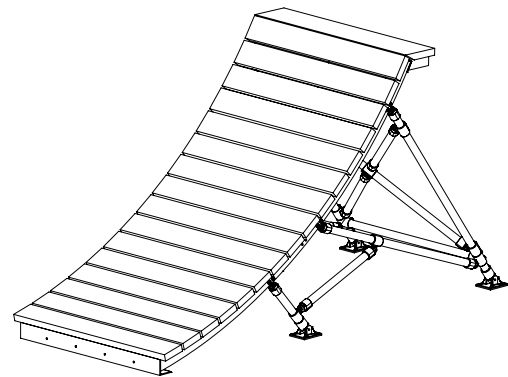
Launch Pads are a staple of jump parks and a key feature for adding progression to your trail system. Our Launch Pads designs are athlete inspired with the perfect radius so you can ride fast with confidence. We offer a variety of sizes to accommodate all skill levels and encourage progression within your bike community.

### ABILITY LEVEL:

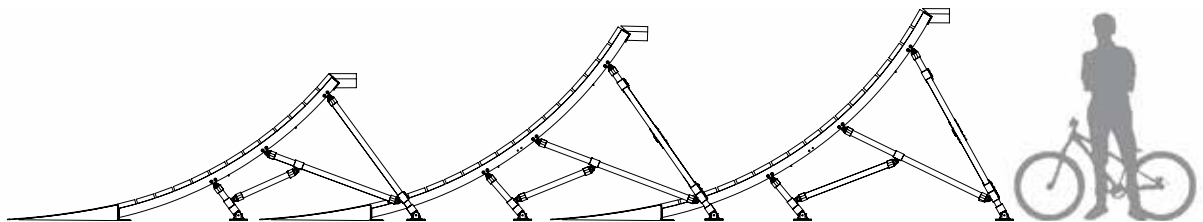


ADVANCED / EXPERT

**INSTALL:** **S** SPECIALTY  
INSTALL



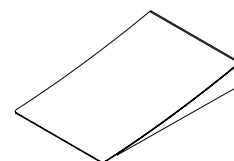
**SIZES:**  
**S** - Height: 4'-0" / Length: 8'-7" / Width: 4'-0"  
**M** - Height: 5'-4" / Length: 9'-10" / Width: 4'-0"  
**L** - Height: 6'-0" / Length: 10'-0" / Width: 4'-0"



## TRANSITION PLATE **NEW**

**SIZES:**  
**24"** - Height: 0'-5.25" / Length: 3'-6.5" / Width: 2'-0"  
**52"** - Height: 0'-5.25" / Length: 3'-6.5" / Width: 4'-4"

Transition plates allow all our ramps to be installed on paved or pre-graded surfaces. The transition plates include a radius that connects seamlessly to the riding surface ensuring a smooth ride. Constructed with 7-gauge steel our transition plates are built to last





## CANNON COLLECTION

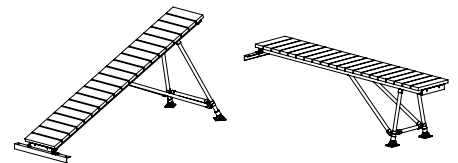


**30° CANNON**



**FLAT CANNON**

The Cannon is a narrow launch feature designed to blast riders long and far. Like all FlowForm features, our Cannons are engineered to be durable and designed for fun. With various size options available it is easy to integrate this feature into your bike park design.



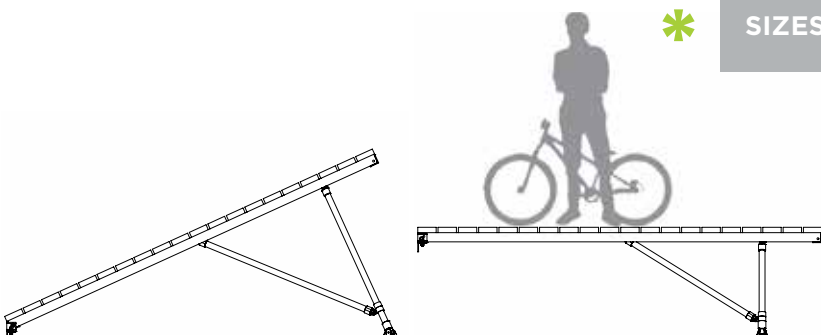
MULTIPLE CONFIGURATIONS / 0° - 30°

**SIZES:** S - Height: 8'-0" / Length: 5'-0" / Width: 1'-6"  
L - Height: 8'-0" / Length: 11'-0" / Width: 1'-6"

**ABILITY LEVEL:**

◻ ◼ INTERMEDIATE / ADVANCED

**INSTALL:** **S** SPECIALTY  
INSTALL





## SATELLITE COLLECTION

### SATELLITE

The Satellite is one of our more advanced features designed for high speed and big air. Often used in conjunction with our Launch Pad feature, the rider launches into the Satellite, pumps through the transition, and launches again off the back into the trail.

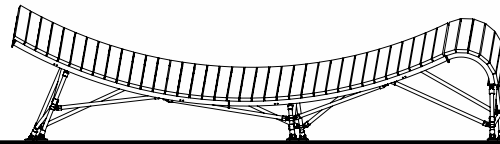
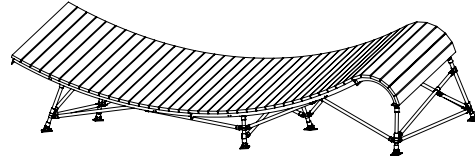
#### ABILITY LEVEL:

- ☒ BEGINNER
- ☐ INTERMEDIATE
- ☐ ADVANCED

**INSTALL:** **S** SPECIALTY  
INSTALL

MULTIPLE CONFIGURATIONS / 0° - 30°

**SIZES:** S-Height:5'-9" / Length:21'-4" / Width:6'-0"  
L-Height:5'-9" / Length:21'-4" / Width:8'-0"



### ON/OFF

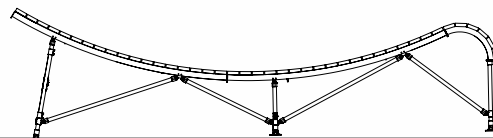
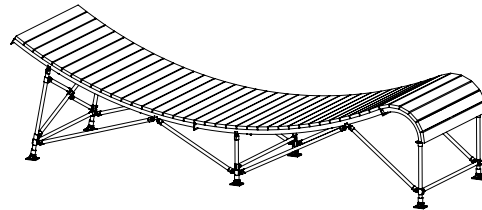
Our On-Off ramp is designed to be more of a set up / speed feature. The On-Off design includes a mellower intake landing and larger lip for takeoff. The On-Off is a perfect feature for high speed flow lines in your bike park design.

#### ABILITY LEVEL:

- ☒ BEGINNER
- ☐ INTERMEDIATE
- ☐ ADVANCED

**INSTALL:** **S** SPECIALTY  
INSTALL

**SIZE:** Height: 5'-8" / Length: 21'-4" / Width: 6'-0



### ROCKER

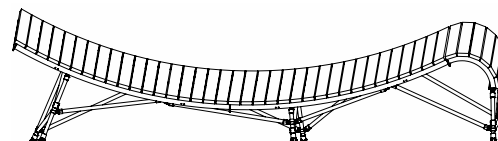
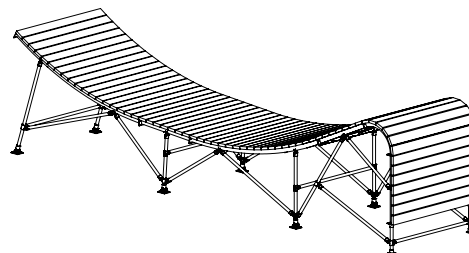
The Rocker is designed to be used in conjunction with our Launch Pad collection. It offers a higher entry and quicker exit for a tighter riding experience. The Rocker is a more advanced feature designed for experienced riders.

#### ABILITY LEVEL:

- ☒ BEGINNER
- ☐ INTERMEDIATE
- ☐ ADVANCED

**INSTALL:** **S** SPECIALTY  
INSTALL

**SIZE:** Height: 7'-2" / Length: 28'-10" / Width: 6'-0





**SATELLITE**



**ON/OFF**



**ROCKER**



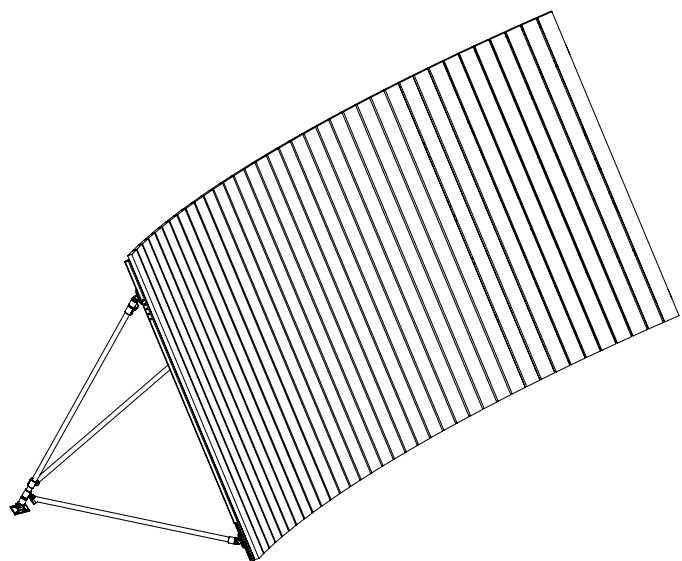


## WALLRIDE COLLECTION



### CURVED WALLRIDE

Our Wall Ride System is an embankment feature with adjustable supports which allows the slope to adjust to accommodate varying uses and skill level. Offered in both Flat Wall & Curved Wall option, riders are challenged by the entrance and exit of the feature due to the gap between the edge of the wall and the trail landing.



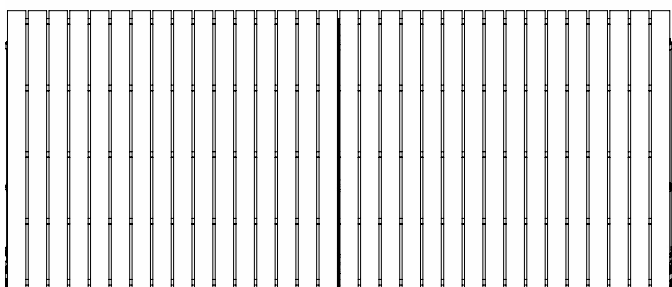
#### ABILITY LEVEL:



ADVANCED / EXPERT

**INSTALL:** **S** SPECIALTY  
INSTALL

**SIZES:** **S** - Height: 6'-0" / Length: 18'-0" / Width: 6'-0"  
**M** - Height: 8'-0" / Length: 18'-0" / Width: 8'-2"  
**L** - Height: 12'-0" / Length: 18'-0" / Width: 12'-8"

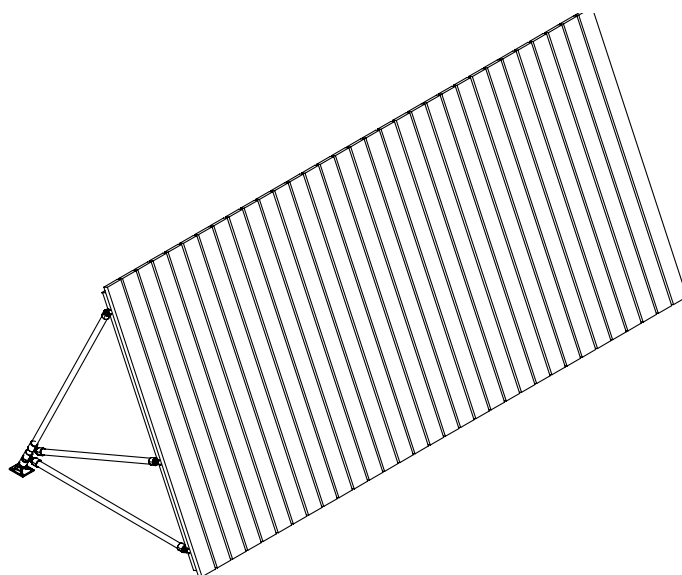






## FLAT WALLRIDE

Our Wall Ride System is an embankment feature with adjustable supports which allows the slope to adjust to accommodate varying uses and skill level. Offered in both Flat Wall & Curved Wall option, riders are challenged by the entrance and exit of the feature due to the gap between the edge of the wall and the trail landing.



### ABILITY LEVEL:

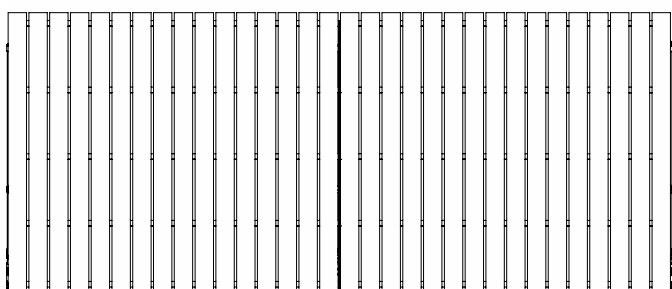


ADVANCED / EXPERT

**INSTALL:** **S** SPECIALTY  
INSTALL

MULTIPLE CONFIGURATIONS / 90° - 30°

**S** - Height: 6'-0" / Length: 18'-0" / Width: 5'-0"  
**M** - Height: 8'-0" / Length: 18'-0" / Width: 7'-0"  
**L** - Height: 12'-0" / Length: 18'-0" / Width: 10'-0"





## SHOREBRIDGE SYSTEM



Inspired by the wooden features on Vancouver's famous North Shore, our Shorebridge system is the perfect feature to span long distances of unstable terrain or exposed roots. Designed to be both challenging and functional, the Shorebridge is a perfect feature for sensitive land areas where mitigating erosion is a concern.

### MULTIPLE CONFIGURATIONS

Sunset  
Half Sunset  
11' Cannon Flat  
5' Cannon Flat  
Radial Transition Up  
Radial Transition Down  
Turn  
Y



DOWN



UP



TURN



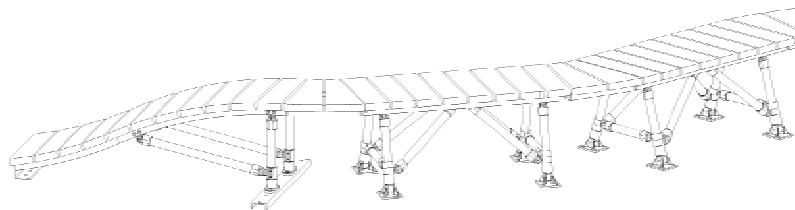
Y

### ABILITY LEVEL:

  BEGINNER / INTERMEDIATE

**INSTALL:**  **SPECIALTY  
INSTALL**

 **PUBLIC WORKS  
INSTALL**

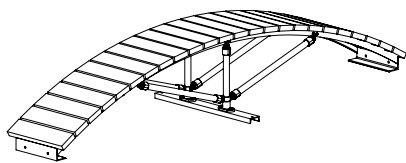


MULTIPLE CONFIGURATIONS

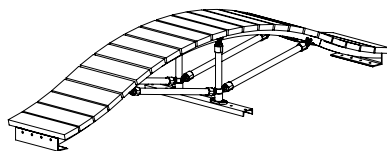


**SIZE: Built to Spec**

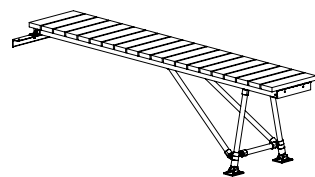




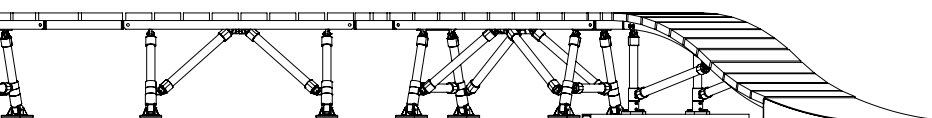
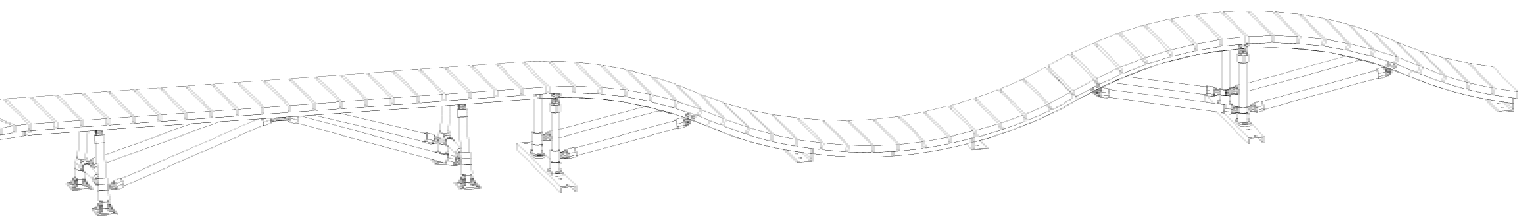
RAINBOW



SUNSET



CANNON FLAT





## TEETER TOTTER



Modeled after the popular playground feature, the Flow-Form Teeter Totter has been re-imagined into a fun and challenging mountain biking obstacle. Easily installed in flat trails, the Teeter Totter is a simple way to add interest to any trail project.

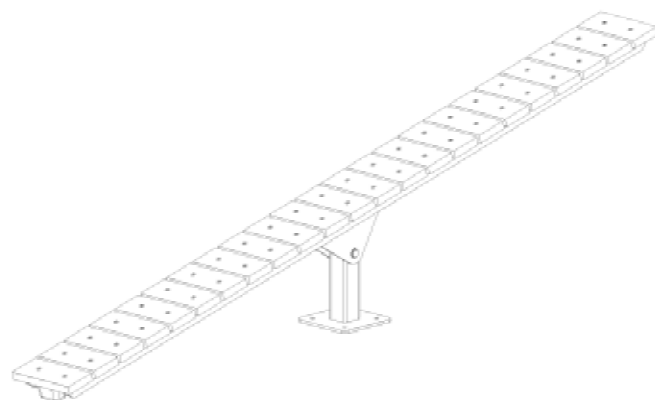
### ABILITY LEVEL:



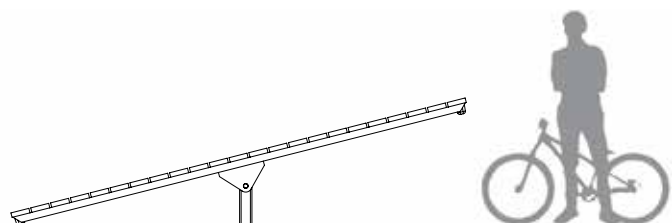
BEGINNER / INTERMEDIATE

**INSTALL:** **S** SPECIALTY  
INSTALL

**P** PUBLIC WORKS  
INSTALL



**SIZE:** Height: 1'-10" / Length: 12'-7" / Width: 10"

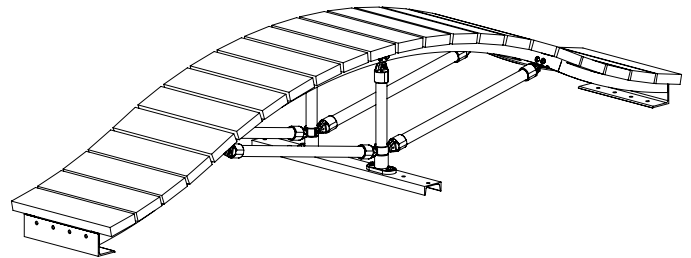




## SUNSET



One of our most popular features, the Sunset is a low-impact riding experienced perfect for beginners. More experienced riders can pump over the feature generating speed for the next jump. With three sizes to choose from, the Sunset is perfect for trails of all ability level.



### ABILITY LEVEL:

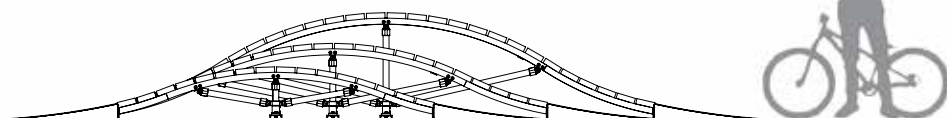


BEGINNER / INTERMEDIATE

**INSTALL:**  **PUBLIC WORKS  
INSTALL**



**SIZES:**  
**S** - Height: 1'-3" / Length: 8'-6" / Width: 1'-6"  
**M** - Height: 1'-11" / Length: 11'-7" / Width: 1'-6"  
**L** - Height: 2'-9" / Length: 14'-6" / Width: 1'-6"

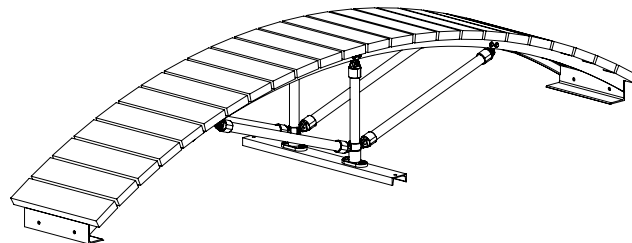




## RAINBOW



The Rainbow is an arc-shaped feature which provides riders a gradual climb up and smooth descent down. By linking the Rainbow with other FlowForm features in a trail design, you can create endless possibilities for fun and riding challenge.



### ABILITY LEVEL:



BEGINNER / INTERMEDIATE

**INSTALL:** **P** PUBLIC WORKS  
INSTALL



**S** - Height: 1'-3" / Length: 8'-6" / Width: 1'-6"  
**SIZES:** **M** - Height: 2'-1" / Length: 12'-6" / Width: 1'-6"  
**L** - Height: 2'-9" / Length: 14'-4" / Width: 1'-6"







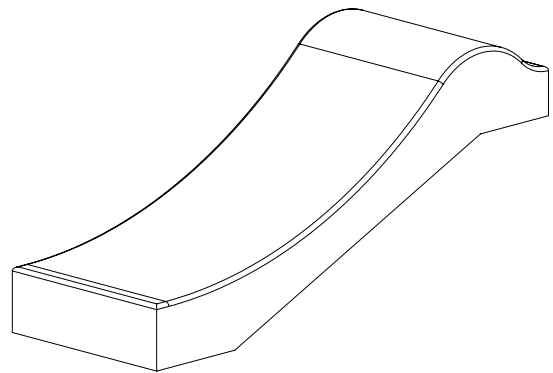
New this year is our FlowForm Precast Lips. We created this feature to eliminate the constant maintenance of dirt shaped jumps. Our Precast Lips are embedded into formed earth mounds creating a stable and predictable hit with none of the shaping upkeep.

## ABILITY LEVEL:

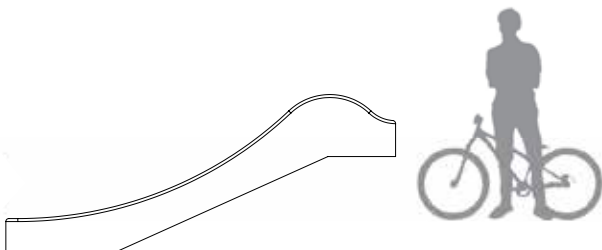
  BEGINNER / INTERMEDIATE

**INSTALL:**  **SPECIALTY  
INSTALL**

 **PUBLIC WORKS  
INSTALL**



**SIZES:**  
**1'** - Height: 1'-0" / Length: 6'-6" / Width: 4'-0"  
**2'** - Height: 2'-0" / Length: 8'-8" / Width: 4'-0"  
**3'** - Height: 3'-0" / Length: 10'-10" / Width: 4'-0"  
**4'** - Height: 4'-0" / Length: 12'-0" / Width: 4'-0"  
**5'** - Height: 5'-0" / Length: 14'-0" / Width: 4'-0"



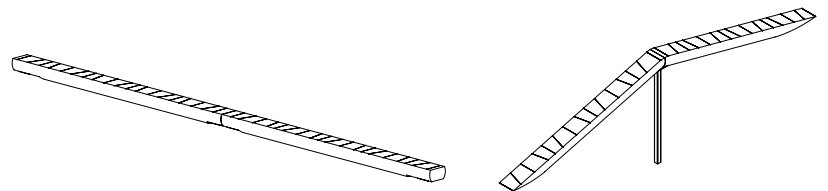
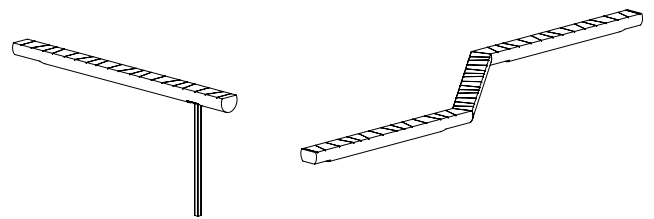


## LOG RIDE KITS

NEW



Log Rides have always been a part of mountain bike trail systems. FlowForm engineers developed a custom knife-plate system specifically designed to support logs. Our custom knife plates combined with pre-cut Western Cedar logs create a durable platform allowing for a stable ride with easy installation.



### ABILITY LEVEL:

INTERMEDIATE / ADVANCED / EXPERT



**INSTALL:** **S** SPECIALTY  
INSTALL

**P** PUBLIC WORKS  
INSTALL

MULTIPLE CONFIGURATIONS

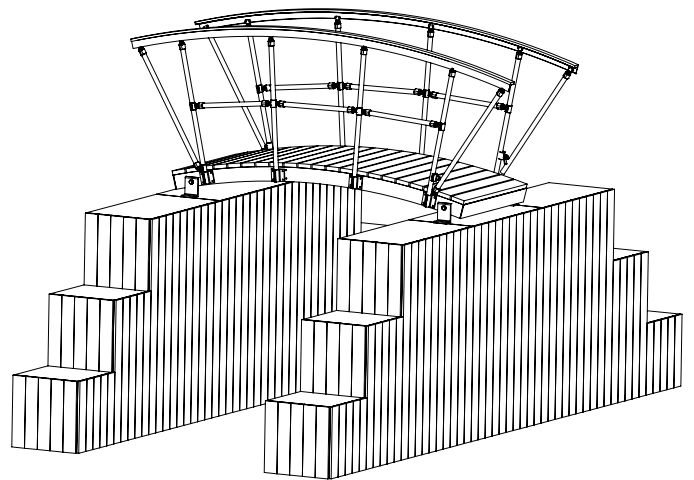
SIZE: Built to Spec







The Overpass Bridge can be used in multiple trail scenarios. These include bridging small streams & sensitive land areas up to full ride-under trail overpass. Multiple footing and retaining wall options are available depending on use and site conditions.

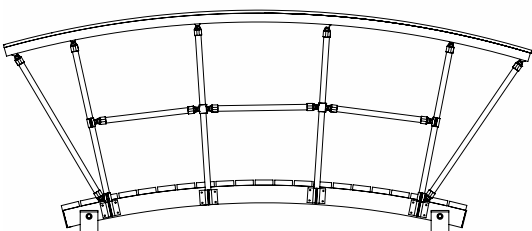


#### ABILITY LEVEL:

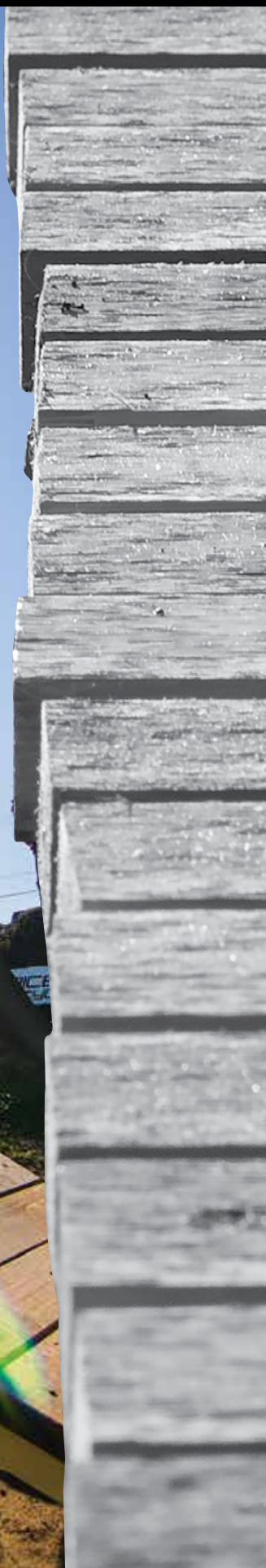
 BEGINNER

**INSTALL:**  **SPECIALTY  
INSTALL**

**SIZE:** Height: 6'-4" / Length: 11'-5" / Width: 4'-6"











**CONTACT US!**

**INFO@FLOWFORMRAMPS.COM**  
**WWW.FLOWFORMRAMPS.COM**  
**1.800.539.0960**

DESIGNED IN WHISTLER, BC

**ENHANCING  
PROGRESSION**

**10**

**YEAR**

**WARRANTY ON  
STEEL FRAMEWORK**

**PRO RIDER  
DESIGNED  
GEOMETRY**

**- INFINITE COMBINATIONS -**

**STRUCTURALLY ENGINEERED  
ADJUSTABILITY**

**MULTI GENERATIONAL**

**MULTIPLE  
CONFIGURATIONS**

**CUSTOM  
SIZES  
AVAILABLE**



# FL OW FORM

BIKE  
RAMPS

