



# “Lift-Out” Dock System



Thank you for considering an Eagle Docks “lift-out” dock system! Eagle Docks has been manufacturing and installing this type of system since 1981. Much has changed over the 30+ years we have been in business, but our commitment to bringing you high value products and services remains the same.

Our “lift-out” dock system is time-tested for the rigors of northern Minnesota lakes, where rough water, and rocky & tree covered lakeshores are the norm, not the exception.

Our dock system is unique in the fact that it “lifts out” of the water in the fall, much like a drawbridge, protecting it from the winter ice. Each spring it is lowered back into the water, landing in the same position each season. No need for on-shore storage space, or a gradual, tree-free incline - just hoist it into the air!



Lifted For Winter, Safe From Ice



Eagle Dock – “Drawbridge” Style!

## Dock System:

Eagle Docks uses the term “system” to describe our docks, as there are multiple components that all work together to create a strong, stable, and long-lasting dock for your lakeshore property. The primary components of this system are described on the following pages.

**4141 County Road 77, Tower, MN 55790**  
**Located on Greenwood Bay – Lake Vermilion**  
**(218) 753-2682 info@EagleDocks.com**

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## The Dock Frame:

The frame is fabricated at our shop located on Lake Vermilion, primarily from round-tube structural steel. We use a double (or triple) truss design for strength and durability. All openings into the structural frame are welded and fully enclosed, greatly reducing the potential for corrosion from the interior of the frame. The exterior is painted with commercial-grade enamel paint, slowing the effects of corrosion from the exterior. All this makes for a tough, long-lasting, dock frame – just what you need when you want to enjoy the lake and your dock for years to come!



Dock Frame – Unpainted Truss Detail



Dock System Fabrication

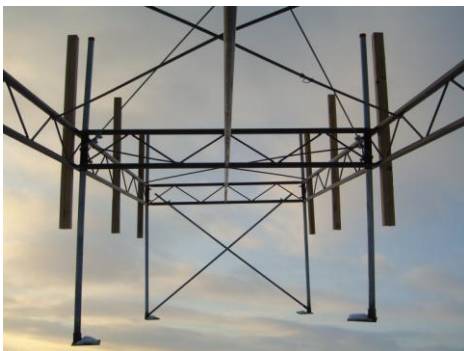
Standard Dock Widths: 4, 6, or 8 feet wide.

Standard Dock Lengths: 24, 30, 36, 42, 48, 54, or 60 feet long (*8' wide only up to 48'*).

*Custom widths and lengths are available by special order.*

## The Dock Legs and Feet:

The dock legs are typically constructed from 1½” Galvanized, Schedule 40, Steel Pipe. The factory galvanizing process provides a rust resistant coating, inside and out, and we are seeing useful life exceeding 25 years (depending on the lake water conditions). Each leg has an 8”x8” removable foot pad, designed to increase the dock’s stability in a variety of lake bottom conditions from sand to rocks. The set of legs at the end of the dock comes with a set of “cross-braces” to provide additional lateral (side-to-side) stability. After the first 18’ of dock from shore, the legs are set every 12’, and are fully adjustable up and down, providing for an extremely stable and level platform. The legs are topped with a red vinyl cap for appearance and protection from the pipe edges.



Dock Legs, Feet, and Cross-Braces



Galvanized Legs On Eagle Dock

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## The Dock Decking & Bumper Posts:

The standard decking used on our dock system is made out of 2x6 Western Red Cedar and constructed into removable “pallets” that are typically 3 feet long. Cedar is used due to a number of reasons; including the fact that it has good dimensional stability (it lies flat, stays straight, and generally does not develop large, sharp splinters), it is lightweight (an advantage when removing & installing the decking each season), and it has natural preservatives with resistance to moisture, decay, and insect damage (even without a finish). These factors, along with its natural unobtrusive appearance (a silver/gray color when left untreated), have made it our choice for nearly “maintenance free” decking.

We also use cedar for the 5’ tall “bumper posts” which line the dock, every six feet on either side of the dock. These vertical posts provide protection for your boat when it is tied off to the dock, and can be outfitted with a rigid plastic bumper for additional protection.



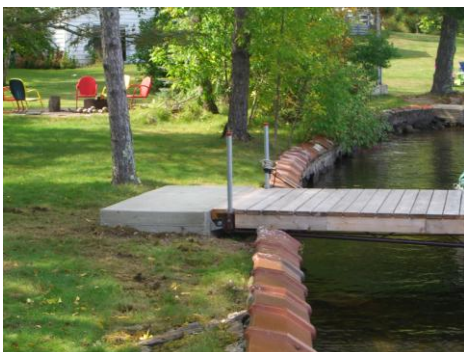
New Cedar Decking On An Eagle Dock



Untreated Cedar – Aged Color

## The Shoreline Anchor:

A vital component of our system is the anchor point at the shoreline. This anchor provides the pivot point necessary for the dock to be lifted, and also serves as the transition from the shore to the dock. Typically this is a poured concrete pad, with integral hinges, although if your shoreline includes a large boulder, or an expanse of ledge rock, the dock can be mounted directly to the rock, eliminating the need for a concrete base.



Shoreline Anchor – Concrete Pad



Shoreline Anchor – Large Boulder

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## The Lifting & Suspension Components:

Our “lift-out” dock system utilizes a number of lifting and suspension components that all work in unison to raise your dock. Primary is the “A”-frame that provides the leverage to lift the dock. The “A”-Frame tower is integrated into the dock on hinges, and lowers into the dock frame when not in use. Strong, 3/8” 7x19 Galvanized aircraft cable is used for the lifting cables, along with heavy-duty, drop-forged clamps & hooks, which work in combination to insure safety for you and your dock. Once lifted, the dock is ultimately secured and anchored to a stout tree, ledge rock, or to a fabricated concrete “dead-man”.



“A”-Frame & Cables



Lift-Point & Anchor - Tree

## The System Options:

Our docks allow for a number of popular options to be added to your standard dock system. These options allow you to customize your dock to best suit the way you are going to use it - from fishing to sunbathing!



6’x6’ Flip “L” w/Bench & Ladder



8’x12’ Removable Dock “L”



8’x12’ Dock “Finger” w/ Bench



Flag Pole,  
Bench, &  
Ladder on  
an 8’x12’  
“L”!



# “Lift-Out” Dock System

## The Service:

Any dock system is only as good as the company behind it, and the Eagle Docks Company is as strong as its docks! Eagle Docks is a family owned and operated small business, which provides employment for 7-10 local employees each season. The company has been in existence for 30 years, and many of the staff members at Eagle Docks are long-term employees, each with a wealth of experience. From the initial planning & site visits, to the complimentary first fall lifting service, Eagle Docks will be there for you. This is a long-term investment in your lakeshore property, and we are confident you will be very satisfied now, and in the years to come, as you enjoy your new dock system from Eagle Docks.

Eagle Docks also provides seasonal dock & boat lift installation and removal service. Please see our web-site, or contact us by phone or e-mail for more information.

“Ballpark” price estimates are available by phone or e-mail, and fixed pricing is always finalized by Project Agreement before the start of the project. Estimates are at no cost to the homeowner.



New Dock Installation!



Summertime Fun!

## Thank You For Considering Eagle Docks!

### For More Information:

Internet: [www.EagleDocks.com](http://www.EagleDocks.com)

### Contact Us At:

E-mail: [info@EagleDocks.com](mailto:info@EagleDocks.com)

Phone: (218) 753-2682

Mail: 4141 County Road 77  
Tower, MN 55790

Visa & MasterCard Accepted



*Eagle Docks is a fully insured company, with comprehensive insurance coverage on our products and services, including workman's compensation on each of the staff members working on your property. Insurance coverage documents are available on request.*

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