

EJIW EAST JORDAN

IRON WORKS EST. 1883



To us, environmental protection is a **personal concern** because, like you, we want to **breathe clean air, drink safe water, and enjoy our environment.**

WE COVER YOUR INFRASTRUCTURE™



800.626.4653

www.ejiw.com
MADE IN THE USA



Environmentally Friendly

Our castings contain over **85% recycled content**
and our foundries meet some of the most
stringent environmental regulations in the world.

We know that
you care about the
environment,

and we want to

make sure **you choose**
a company that shares
your values.



EJIW is **committed** to operate its business in full compliance with
the letter and spirit of environmental laws and regulations.

Responsible Environmental Action

EJIW will continue to help improve the environment by taking responsible action. Therefore, we are phasing out painting of all construction castings. Additionally, we will begin to omit non-functional weight from our construction castings. Castings will be designed to meet your specification needs and weights will be provided upon your request.

We greatly value our customers and the **relationships** we have cultivated over the past **125 years**. With your support we will continue to lead the construction casting industry and **add value** to the design, manufacture, and distribution of EJIW products.





Non-painted castings have a **natural patina** that develops over time when exposed to the elements. It provides an appealing color that **blends in naturally with the environment**.



LEED® CREDIT ACHIEVEMENT WITH EJIW!

Did you know that you can earn up to **4 LEED® points** (**Leadership in Energy and Environmental Design**) just by choosing EJIW for your next building project? Please contact your EJIW Sales Representative for specific data to help you achieve all possible points.



Materials & Resources Category

4.1 & 4.2: **Recycled Content:** up to **2 points**

5.1 & 5.2: **Regional Materials:** Extracted, Processed & Manufactured Regionally: up to **2 points**

CAST IRON – NATURAL PATINA

Asphaltic base paint, powder coating, and other materials used to paint castings are simply cosmetic and provide **no value** to your infrastructure.

Unlike steel, cast iron has much higher concentrations of carbon and silicon, which provide a substantial **resistance to corrosion**. Cast iron has been known to function for centuries without failure.

Painting can be used to conceal casting defects, and many departments of transportation **specify non-painted castings** as a protective measure against this problem.



Materials used to **paint** castings are **simply cosmetic** and provide **no value** to your **infrastructure**.



Our products can help you **earn up to 4 LEED® points!**



REDUCE THE WEIGHT OF YOUR STREET CASTINGS

Many municipal casting standards were designed **fifty or more years ago**. At the time, designers compensated for inconsistent iron quality and imprecise molding processes by adding iron to the casting. Manhole covers were designed with **heavy ribs** on the underside of the casting, and thick frames were standard.

Modern castings are no longer designed to compensate for these downfalls. Our foundries operate with **improved metallurgy, mechanically controlled production processes, and quality control procedures**. When combined with our modern designs, your castings will reap the following benefits:

- Load ratings that exceed AASHTO M 306
- Less weight offering ergonomic benefits
- Improved product functionality
- Added strength and durability
- Less raw material usage
- Interchangeability with your existing street castings

Modern castings provide **superior performance** with reduced weight, **saving energy** and **raw material usage**.



Platen lids –
more strength,
less weight!



EPIC™ pick slot solution
– improved stability and
increased leverage



Stackable frames improve
safety and conserve space
during storage, in transit, and
when handling.

Traditional vs. Modern Design

Traditional Design Frame & Cover



Heavy ribs were removed,
and the end result was the
modern design, weighing 154
pounds less and withstanding
higher traffic load ratings.



245 lb.



Modern design



Assembled Weight
520 lb.

Proof Load
Exceeds H-20 / H-25

Modern Design Frame & Cover



197 lb.



169 lb.

The traditional mud
ring added unnecessary
weight to the manhole
frame, and has been
removed in the modern
design.

Assembled Weight
366 lb.

Proof Load
Exceeds AASHTO M 306

Traditional Design



In decades past, it was believed
that concave frame walls
provided optimum anchoring
and loading performance.
Today, these designs are
recognized as inefficient,
expensive, heavy, and unsafe.

Modern Design



Modern designs offer improved
performance and safety. The
redesigned frame is 90 pounds
lighter, stackable, withstands
higher load ratings, and uses
less energy and resources to
manufacture.

A QUALIFIED DESIGN PROFESSIONAL SHOULD BE CONSULTED TO HELP SELECT APPROPRIATE CASTINGS FOR YOUR PARTICULAR APPLICATION.

Committed to Continuous Environmental Improvement

SCRAP METAL

Thousands of tons of **scrap metals**, that otherwise may be strewn across the countryside or dumped in landfills, are **recycled** annually and turned into usable infrastructure products.



MACT STANDARDS

EJIW foundries meet the Environmental Protection Agency's new air quality **Maximum Achievable Control Technology** (MACT) standards. The MACT rules require stack testing along with additional record keeping and reporting on several air pollution control systems.

RECLAIMED SAND

Over 90% of our green sand is **reclaimed** daily and reused in our molding process.



RECYCLED TIRES

Recycled tires make up the majority of EJIW's INFRA-RISER® multi-purpose rubber composite adjustment risers. Boasting 92% recycled content, this environmentally friendly product also reduces unwanted storm water infiltration into sanitary sewer systems.

REUSE

Heated air once lost to the environment is now captured and **reused** in the melting process, significantly reducing energy consumption.



MESSAGING

Environmentally friendly messaging helps protect our waterways. Castings read "DUMP NO WASTE! DRAINS TO WATERWAYS" accompanied by a fish image. These permanently cast messages and environmentally friendly designs serve as an enduring reminder against dumping into our waterways.

SLAG

EJIW makes use of the by-products from the melt process whenever possible. One of these by-products, referred to as "slag", is known to other industries as "calcium stabilizer" because of its high calcium content and lack of metallic compounds. It is **reused in other industries** to replace fine aggregate in products such as asphalt and concrete. During harsh winter months, county road commissions use this for sanding roads to improve vehicle traction.



Post-consumer and post-industrial scrap metals are recycled into castings that build **YOUR** infrastructure.

EJIW EAST JORDAN

IRON WORKS EST. 1883

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EJIW SALES & BRANCH OFFICE LOCATIONS BY STATE:

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623.478.9391 F	231.536.4486 F	918.299.2616 F
Long Beach, CA 562.528.0258	Grand Rapids, MI 800.760.3549	Portland, OR 253.863.2255
562.528.0259 F	616.538.4990 F	253.863.1604 F
Denver, CO 303.286.8014	Lansing, MI 800.566.3549	Pittsburgh, PA 412.795.6000
303.286.0051 F	517.566.7111 F	412.795.6900 F
Middletown, DE 800.325.3549	Kansas City, MO 816.665.7350	Memphis, TN 615.369.1357
302.378.1109 F	816.903.3955 F	865.977.9440 F
Atlanta, GA 770.436.7300	Charlotte, NC 704.597.4310	Houston, TX 832.467.2005
770.434.1437 F	704.597.4381 F	832.467.2058 F
Chicago, IL 800.344.3549	Raleigh, NC 919.362.7744	San Angelo, TX 325.653.0105
815.740.1633 F	919.362.1370 F	325.653.0746 F
Hartford City, IN 765.348.1020	New York, NY 973.350.0600	San Antonio, TX 210.946.3224
765.348.1020 F	973.350.0601 F	210.946.3626 F
Denham Springs, LA 888.665.3549	Cleveland, OH 800.692.3549	Seattle North, WA 360.651.6144
225.665.4306 F	216.692.3009 F	360.651.6150 F
Baltimore, MD 800.418.3549	Columbus, OH 800.871.3549	Seattle South, WA 253.863.2255
410.833.9521 F	614.871.3773 F	253.863.1604 F
Detroit North, MI 586.949.9700	Youngstown, OH 330.782.3900	Spokane, WA 253.863.2255
586.949.0596 F	330.781.1044 F	253.863.1604 F
Detroit, MI 800.231.3549	Ardmore, OK 580.389.5010	
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