



JONES METAL

FABRICATION DESTINATION

Engineered Ideas. Expertly Made.



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Jones Metal is a third-generation, certified woman-owned business delivering comprehensive and advanced metal fabrication services. Many of our customers have trusted Jones Metal for decades to build their parts with quality and care.

Our experience includes power generation, industrial OEMs, packaging equipment, agriculture, heavy construction equipment, transportation, U.S. Military projects, and more. With investments in automation and robotics, along with a skilled and dedicated staff, we are equipped to handle virtually any project from basic enclosures to highly complex weldments and assemblies.

At Jones Metal, we pride ourselves on the “Three Uniques”, that set us apart from others in our industry:

- 1 We make it easy.
- 2 We provide an exceptional quality experience.
- 3 We are a certified woman-owned, family-owned business with an 80+ year legacy.

LEGACY

Built on Integrity, Quality and Customer Satisfaction.



Mildred and Cecil Jones, founders

For more than 80 years, Jones Metal has provided metal fabrication services to companies locally, and around the world. The company was founded by Mildred M. Jones in 1942 as a sheet metal and roofing company to serve local businesses in the Mankato, Minnesota community. We're dedicated

to continuing to build on that legacy with the right blend of innovation, knowledge, and precision to keep creating solutions built to last.

CORE VALUES



Kindness

Operating in empathy, respect and genuine care



Grit

Hustle, muscle, passion and perseverance to make it happen



Positivity

Spirit of positive intent always, with everyone



Ownership

Just Do It



Helpfulness

Together we ask, teach, learn and build

COMMUNITY

At Jones Metal, community involvement is more than just a commitment—it's a tradition. Our team is passionate about making a positive impact and we believe in giving back and helping to build a stronger community for everyone. We are annually involved in arts initiatives, volunteering with non-profits, and fundraising with various groups that give back directly to those in need throughout southern Minnesota.

QUALITY + ENGINEERING



At Jones Metal, our focus on high-quality metal fabrication is backed by ISO 9001:2015 certification and confidence that comes only through experience. We deliver precise work to exact specifications.

As a paperless facility we use an advanced ERP system to manage all aspects of manufacturing in real time. This also allows us to provide detailed documentation on a wide variety of things like source material and country of origin.

PPAP and FAI are a frequent part of our process, and we can accommodate whatever quality systems your project requires.

TOOLING/FIXTURE DESIGN & BUILD

Our team designs and builds custom fixtures to ensure precision, repeatability, and quality in forming, machining, and welding.

In-house tooling and fixture benefits:

- **Precision engineering**—Accurate alignment and consistent results
- **Improved efficiency**—Reduced setup time and streamlined processes
- **Durable quality**—Built with premium materials for long-term use



CONTINUOUS IMPROVEMENT

We believe continuous improvement drives innovation and customer value. We utilize the Entrepreneurial Operating System (EOS) and lean manufacturing practices to reduce waste, shorten lead times, and enhance flexibility. Tools like Six Sigma, Kanban, A3, 6S, Kaizen, and Supermarket systems support ongoing process enhancements.

CYBERSECURITY MATURITY MODEL CERTIFICATION (CMMC) PROGRAM

This new program aligns with the Department of Defense's information security requirements. It is designed to enforce the protection of sensitive unclassified information shared by the DoD with its contractors and subcontractors. Eventually all suppliers within the DoD supply chain will be required to participate in this program, and Jones Metal is among the earliest adopters.

Learn more about the CMMC program here, and how it helps protect important information inside United States national defense supply chain from bad actors.



PROVEN PROCESS

ALIGN	DESIGN	REFINE	FABRICATE	DELIVER	PARTNER
• We ask questions and listen • Quick and personal response • Project requirements validation	• Quick turn quotes • Thoughtful project consideration • Design For Manufacturability ideas	• Engineering input • Customer alignment • Revisions for improvement	• Paperless production planning • Expert manufacturing staff • Quality built-in and inspected	• On-time delivery • Packaging and inventory management • Clear communication on progress	• Mutually beneficial • Request feedback for improvements • We stay connected through trusted performance

CUSTOM METAL FABRICATION

As a global leader in custom metal fabrication, we support OEMs across industries with end-to-end services from prototyping to finishing. Our innovative approach ensures precision-built components and assemblies that meet the highest standards of fit, form, and function.

FABRICATION EXPERTISE

Custom metal fabrication is the heart of our business, built with over 80 years of experience. Using advanced laser cutting, saws, press brakes, plate rolling, and punch presses, we deliver high-accuracy sheet metal processing with reduced lead times.

- **Automated laser cutting**—Increases output and lowers costs with precision automation; auto-handling material system and two fiber optic flat lasers make quick work for virtually any project
- **CNC machining**—Custom parts made efficiently from a variety of materials
- **Sheet metal forming**—Multiple machines handle diverse geometries and thicknesses with consistent quality. Up to 80" x 160" material size with a 14.5' bed
- **Saw** up to 20" rectangular, and up to 18" round
- **60-ton Punch Press** up to .50" steel material
- **Steel plate rolling**—Forms cylinders, cones, and flat-rolled materials up to 0.625" thick and 8' long

DESIGN FOR MANUFACTURABILITY

Our engineers and estimators routinely review customer designs to ensure efficient methods for production and often make suggestions for improvement.

Some of the key aspects of DFM include:

- **Cost optimization**—Simplify design elements or tolerances to reduce cost
- **Quality & reliability**—Design change resulting in reduced chance for errors or rework
- **Process compatibility**—Specs are repeatable in production
- **Materials**—Material selection to standard options can reduce costs and lead times
- **Assembly**—Easy, error-free assembly design can also reduce cost
- **Paint & finish**—Selection and type of finish, including paint, can impact overall manufacturability

130,000 square feet of manufacturing space



WELDING SERVICES

We combine skilled craftsmanship with advanced robotics to deliver high-quality welding solutions. Our team is AWS-certified and continuously trained to ensure clean, consistent results using innovative techniques. Weld excellence is at the core of who we are, and what we do.



WELDING CAPABILITIES

- **Processes**—MIG, TIG, resistance & spot welding, and robotic welding
- **Materials**—Stainless steel, mild steel, copper, and other metals

ROBOTIC WELDING

Our various cutting-edge robotic systems, including the latest addition we call BigBot, enable precise, repeatable welds at scale. BigBot is the largest custom fabrication robotic welding cell in the Upper Midwest.

The system features:

- Three bays on a 75' rail
- 74" swing, 159" bed length
- 8,487 lb. capacity per bay

Additional Robotic Weld Centers include:

- PRI Lincoln System with a 9' bed and 1,600 lb. capacity
- Genesis Versa system with a 10' bed and 5,000 lb. capacity
- Trumpf TruArc Weld Center with a working area of 78"x23.6"x23.6"

These systems increase throughput, reduce costs, and ensure consistent quality even in complex and high-volume projects.

CERTIFICATIONS

We hold a wide range of AWS, MIL-STD, and other welding certifications and are ready to meet any high tolerance and regulatory requirements your project demands.



FULL MANUFACTURING SERVICES



PAINT & FINISHING

Every product fabricated is only as good as the final finish. At Jones Metal we are able to not only produce great parts but also a great finish.

- Liquid painting
- Powder coating
- Media blasting
- PPAP & FAI services
- Inspection & testing (destructive and non-destructive)

PRODUCT ASSEMBLY

Anything from simple inserts to sub-assemblies or full final assemblies, we have the experience to manage your full project.

- **Product assembly**—Jones Metal can handle the process of putting together all parts and components to create the final product.
- **Sub-assemblies**—We can fabricate, then build sub-component assemblies to supply OEMs clients who perform final assembly in-house.

LOGISTICS & INVENTORY

- **In-house delivery fleet**—Our trucks ensure safe, on-time delivery across the Midwest.
- **Inventory management**—We have climate-controlled storage for just-in-time shipping.
- Long-term agreements are available to leverage both pricing and condensed lead times.



INDUSTRIES SERVED

AGRICULTURE

End caps, frames and structural parts

ARCHITECTURE & CONSTRUCTION

Beams, columns, decorative metalwork

HEAVY EQUIPMENT OEM

Welded, formed, machined and painted parts

INDUSTRIAL & MACHINERY

Custom housings, machine parts and tools

MILITARY

Battery containers, generator sets, enclosures

PACKAGING EQUIPMENT

Frames, enclosures, conveyor components

POWER GENERATION

Weather-resistant enclosures, covers, brackets, cabinets and assemblies

POWER TRANSFORMER ENCLOSURES



BY JONES METAL

Jones Metal has a long history of building enclosures, tanks, panels, and a wide variety of other products for companies in the power generation industry. Several years ago, this led to the development of the best steel power transformer enclosures on the market.

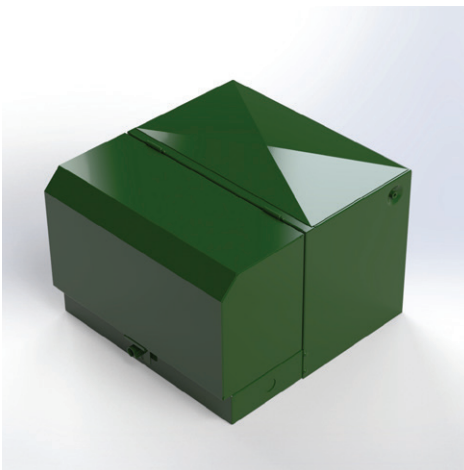
ENVALT leak-proof enclosures are manufactured for single-phase, three-phase and custom-sized pad-mount transformers.

PRODUCT FEATURES

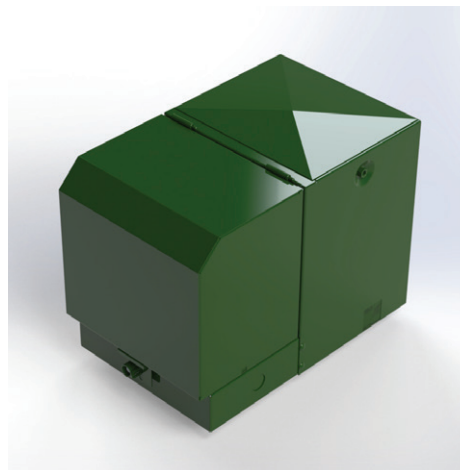
- Constructed of strong 12-gauge steel
- Guaranteed leakproof
- Durable powder coat finish
- Standard colors: green, desert tan
- Custom size and colors also available

ENVALT SINGLE-PHASE ENCLOSURES

TYPE 1 (ANSI 1) & TYPE 2 (ANSI 2)



COMPACT



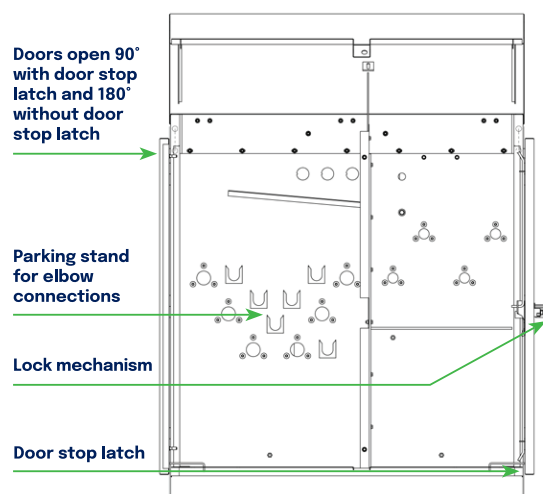
ENVALT ENCLOSURE	DIMENSIONS (in inches)		
	Height	Width	Depth
SINGLE-PHASE TYPE 1	24.00	34.00	35.13
SINGLE-PHASE TYPE 2	24.00	34.00	40.13
SINGLE-PHASE COMPACT	24.00	20.25	32.75
THREE-PHASE	70.00	64.5	50.5

TRANSFORMER ENCLOSURES

While the ENVALT product line offers standard sized, quick turn models, we can also create virtually any custom enclosure as well.

- Experienced engineering staff to help develop new designs
- Full-service metal fabrication capabilities
- Mild steel and stainless steel options
- Enclosures up to 1000 kVA
- Inventory management programs

ENVALT THREE-PHASE ENCLOSURE



Tank is constructed of 3/16" steel; housing is constructed of 12-gauge steel.

For information on complete product line, please visit:



jonesmetalinc.com/ENVALT



TF 800.967.1750 • **P** 507.625.4436
3201 3rd Avenue, Mankato, MN 56001

jonesmetalinc.com  