

# Pleasant Mount Welding Inc

## Fabricating Steel Systems for Resilient Water Treatment

Most fabrication companies enter the picture once blueprints are final. Pleasant Mount Welding Inc. (PMWI) engages earlier, when challenges are still being defined and there's room to influence the outcome.

Take a recent project in Connecticut. The original design for a multi-million-dollar wastewater treatment facility called for flat plate tread covers with heavy stiffeners. Standard approach, proven materials, but expensive and labor-intensive. PMWI's team looked at the specs and asked a simple question about whether they could do this better.

ground up or simply fabricating a pre-existing drawing, the team provides the necessary support, helping clients to simplify projects, reduce costs and perform reliably in the field.

"We're a one-stop shop, helping to make things simpler and more efficient for our clients," says President Bob Non. "Our R&D team helps us move quickly, turning ideas into workable solutions fast, so clients get real outcomes without delays."


The approach works because PMWI doesn't just suggest changes. It delivers complete solutions. When clients need additional engineering capacity, PMWI steps in. When new components require

these covers deliver low-maintenance reliability tailored to each application. Aluminum bar grating comes in three profiles. The lightweight I-bar offers easier handling, the heavy-duty rectangular bar provides maximum load capacity and the architecturally clean dovetail serves aesthetic applications. Each profile serves specific needs, including reducing installation time, improving grip in wet conditions or meeting architectural requirements rather than forcing compromises with generic solutions. Lightweight yet durable, the grating lowers handling costs and holds up reliably over time.

Handrail systems exemplify PMWI's attention to real-world functionality. Built with stainless steel bolts instead of rivets or adhesives, they can be easily adjusted, dismantled or reinstalled as conditions change. Available in mechanical and welded configurations, all systems meet OSHA, IBC and ADA requirements while giving crews the flexibility to adapt to evolving site conditions.

Over the last decade, PMWI has expanded from traditional fabrication into comprehensive project support. Today, with more than 140 employees, the company continues investing in innovation while maintaining the hands-on approach that built its reputation.

The result is something increasingly valuable in infrastructure. A partner who understands that the best solution isn't always the obvious one. In water and wastewater treatment, where small misalignments can create costly problems and system reliability isn't negotiable, PMWI helps clients bridge the gap between good enough and getting it right.

Sometimes, the difference between success and expensive lessons comes down to asking better questions before the metal gets cut. PMWI has made that difference in its business. 



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Its R&D team went to work, using simulation and 3D printing to test alternatives. The result was a streamlined aluminum cover system using custom extrusions that cut project costs by 35 percent while actually improving performance.

This kind of reimagining has become PMWI's signature over four decades in business, earning them a lot of repeat customers from plant operators, engineering firms or general contractors.

As one of the largest metal and structural steel fabrication manufacturers, the company has built its reputation on seeing opportunities where others see only specifications. Whether a project requires a complete design from the

third-party certification, it handles the testing and documentation. When installation timelines are tight, they design for faster assembly.

This philosophy shapes everything PMWI manufactures. Its product line spans aluminum bar grating, modular handrail systems and odor control covers, but each component reflects the same commitment to practical performance.

The Standard-Duty Aluminum Interlocking Cover System features a flush, heavy-duty hinge designed for safety and durability. Using custom aluminum extrusions, covers can be configured as fixed or hinged panels based on access needs. Whether controlling odors, blocking UV rays or providing basic containment,



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