



GMS

Your Partner from Design to Build

The ultimate success of your project depends on the success of each step in the process, from initial planning through final construction.

Employing a wide range of pipe joining technology solutions, GRINNELL Mechanical Services (GMS), a division of Tyco Fire Protection Products, partners seamlessly with your designers, engineers and contractors to develop process improvements to ensure your project runs efficiently. From design to build, GMS provides your business with technical expertise, drawing services and cost savings solutions.

Put Our TECHNICAL EXPERTISE to Work for You

When you partner with GMS, you will have direct access to the individuals who design, test, and build our products every day. Our experts specialize in Building Information Modeling (BIM), thermal movement analysis and CAD blocks.

- **3D CAD Design & Building Information Modeling (BIM)** GRINNELL experts virtually assemble your system to plan for space constraints and identify potential interferences.
- **Pump Assemblies & Equipment Connections**
Based on equipment and bid drawings, we create detailed hook-ups for use with submittals, reviews and assembly instructions.
- **Thermal Movement Analysis**
Assist specifiers and installers with the proper use of grooved couplings for thermal expansion compensation in piping systems.
- **Riser Designs & Building Joint Solutions**
Perform load and movement calculations to ensure adequate end load and anchor selection and can offer solutions for piping sleeved through building joints.
- **CAD Blocks & BIM Families** offer traditional AutoCAD 3D blocks, AutoCAD MEP parametric blocks and robust Revit MEP piping component families of all our products. To download CAD blocks, visit our website at www.grinnell.com.





Leverage Our DRAWING SERVICES to Optimize Your Design Process

GMS is a team of technical experts that assists contractors and engineers with drawing creation, bill of materials take offs, piping conflicts between trades and efficient system design. They can help reduce project installation costs by performing cost comparisons between pipe joining methods and by offering crate and tag services, which decreases material handling on site. Based on your preliminary engineering drawings, our project planning service will identify potential conflicts between project documents and provide easy-to-follow shop drawings.

- **Tagged 3D isometric fabrication drawings** include complete BOM tables of your mechanical equipment rooms. Specified pipe cut length dimensions minimize field cutting and fitting and simplify your installations.
- **Meet your joining technology requirements** with our flexible design capabilities incorporating the best joining technology available for your specific need.
- **Avoid costly delays** with our virtual layout process that will help to identify piping interferences and space constraints before they become work-delay issues.

COST-SAVING SOLUTIONS to Help Protect Your Bottom Line

GRINNELL product solutions increase productivity and minimize installation and material costs while ensuring long lasting performance with a 10-year limited warranty. We will provide ways to help your project stay on budget.

GROOVED PRODUCTS vs. TRADITIONAL WELDING		
<p>COST COMPARISONS</p> <p>By using industry-standard, labor hour data estimations and BOMs, our technical experts compare the cost savings of grooved and press solutions over traditional welded / flanged joining methods and recommend ways to Save You Money.</p>	<p>CRATE & TAG HANDLING</p> <p>↑ 25% Labor Productivity increase with our effective material handling process</p> <ul style="list-style-type: none"> • Deliver complete tagged pump or equipment hook-up BOMs directly to equipment rooms for easy access • Reduce material waste and overages by eliminating unnecessary multiple shipments and back orders 	<p>OVERALL COST REDUCTION</p> <p>↓ 70% Reduce Installation Time</p> <p>+</p> <p>↓ 30% Reduce Overall Pipe Joining Cost</p> <p>with Grooved Products</p>

Building a Valuable Partnership to Better Serve You

Arrange a free, 30-minute consultation with an expert engineer and discover the beneficial ways we can partner with your business from design to build. Visit us at www.grinnell.mechanicalservices@grinnell.com or call us at (866) 500-4768.



GRINNELL Mechanical Products is focused on providing the most efficient pipe-joining technologies available in the industry. With over 160 years of experience, GRINNELL Mechanical Products offers a reputation as a dependable, respected, and trusted brand. Our industry-best 10-year limited warranty demonstrates this commitment and confidence.