



EXISTING "ACOUSTIC" WALL
RETAINED AT HIGH LEVEL

GUNDLACH CHAMPION
SINCE 1898

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A Division of Champion, Inc. SINCE 1898

INDUSTRIAL CONSTRUCTION



YOU NEED A CONTRACTOR THAT UNDERSTANDS YOUR BUSINESS

Gundlach Champion, Inc. (GCI) has decades of experience working on industrial construction projects. Whether your project involves a new building, facility renovations, equipment installations, conveyors, shredders, or a pre-engineered building, we spend the time needed to learn about the

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goals of your project and your business. The insight we gain during this programming and design phase means your project will be tailored to meet the exact needs of your operation.

Since our establishment in 1898, we have evolved to become a one-stop shop, providing a variety of construction services. This range of expertise and knowledge allows us to help walk you through the complexity of an industrial construction project. Over the years we have learned how to work with many of the facets of building for industrial clients, such as (but certainly not limited to) equipment bases and installation, piping, conveyor installation, ball mills, cyclones, filter presses, dust systems, throughput, flotation, tailings, thickeners, and instrumentation.

From the very beginning of a project, we can help you select the best project delivery system, choose an engineering firm, work with the team through the design phase, bid the project out, and ultimately build it. If you need assistance with financing, we can assemble budgets of varying detail levels to meet banking requirements to obtain loans for your project.

EXPERIENCED IN BUILDING SUCCESSFUL PROJECTS

We've worked on hundreds of projects varying in size, scope, and complexity in every major market throughout

the Upper Peninsula, Wisconsin, and Minnesota. With employees living in nearly every county in the Michigan's Upper Peninsula, it is our preference to hire field craft from the locale of the project whenever possible.

We have the flexibility to meet tight schedules.

“Through our longstanding experience in the Northern Great Lakes region, we have established relationships with many trusted subcontractors and suppliers to get a quality job done safely, on time, and within budget. We are pleased to work with skilled local subcontractors who are familiar with the area, and will be available at a moment's notice should the need arise.”

EXPERTISE YOU CAN DEPEND ON

Building in the Great Lakes region can present unique challenges. GCI understands what it takes to complete our construction projects given the extreme weather conditions we experience, safely and on time. We have the flexibility to meet tight schedules. To accommodate your timeline or adverse weather, we will work overtime, multiple shifts, fast track schedules, or around existing operations.

There are few things more frustrating to an owner than cost overruns on a project, and we use all of our skills to assure they do not occur. During the bid process, we

perform a “scrubbing” of design documents to avoid costly mistakes. We employ value engineering techniques to assure the proper material is used. If a change order is needed during the various phases of the project, we will work with the project designers and owners to identify solutions that minimize cost.



CASE STUDY: LUNDIN MINING

The owner had an extremely tight schedule for completing upgrades to an old iron ore processing facility to make it operational as a new nickel and copper mine. GCI was hired for the complete mechanical, electrical, and plumbing build-out, instead of bidding the work out to separate contractors. This allowed us to serve as the single point of contact for the \$54 million of upgrades to the facility. We also performed work in other buildings at the site to maintain the 14 month timeframe that the facility needed to be operational. With our ability to provide multiple construction services, the facility was completed by the owner's scheduled takeover date. The project used the Construction Management delivery system and the facility has experienced no issues since beginning operations.



CASE STUDY: SCHNEIDER IRON AND METAL

Because of the age of their existing equipment, our customer needed a new shredder line as soon as possible, with the replacement occurring with as little disruption as possible. The existing shredder had to remain operational while the new line was being installed. GCI was able to install concrete footings and the new controls house while operations continued uninterrupted. We worked with the equipment supplier of the new shredder to determine the best sequence for installation. Because of the diligence in planning, operations paused only briefly while the new equipment was installed, tested, and made ready for operation. The resulting effect was that the owner was able to nearly double their shredding capacity with very little disruption to their operation.



CASE STUDY: ABB HVDC CONVERTER STATION

Our customer needed to provide the owner (American Transmission Company) a 200 MW High Voltage Direct Current (HVDC) Back-to-Back Converter Station to help control power flow, enhance grid stability, maintain appropriate thermal and voltage levels on the system, and allow for the integration of additional renewable energy sources.

GCI assembled a team that designed and built the world's first large scale, two-story HVDC Back-to-Back Converter Station. Numerous systems were developed throughout the building's shell to address the specific grounding and shielding requirements required for the HVDC processes. We delivered a quality building on schedule while meeting or exceeding all of our customer's electrical requirements. The station has been operating 24/7 since it was completed, and delivers excellent voltage and reactive power control for wind generation. The station provides a buffer to slow down and redirect large amounts of electrical power, preventing the regional network from being overwhelmed. To stabilize extremely weak power networks, it has black-start capability – allowing it to restart a grid after a black-out.

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