

# CLIENTS

## INDUSTRIAL

Amax, Inc.  
 Bonneville Power Administration  
 CH2M HILL  
 Giant Petroleum  
 INTEL  
 Magellan Midstream  
 Montana Power  
 Northwest Pipeline, Inc.  
 Pacific Power & Light  
 Plains Pipeline  
 Public Service Company of Colorado  
 Questar Inc.  
 Tristate Generation & Transmission  
 Valero  
 WAPA  
 Williams  
 Xcel Energy

## FEDERAL GOVERNMENT

BLM  
 Department of Energy  
 Federal Aviation Administration  
 Homeland Security  
 NOAA  
 U.S. Forest Service

## COMMUNICATIONS

GTE Federal Systems  
 Motorola Communication & Electronics Inc.  
 Sprint/Nextel  
 T-Mobile  
 TIW Systems  
 Verizon

## DEFENCE CONTRACTORS

Contel Federal Systems  
 Globecom  
 General Dynamics  
 Lockheed Martin  
 Northrup Grumman  
 Parsons  
 Raytheon Service Support Co.

## STATE/LOCAL GOVERNMENT

City of Las Vegas  
 City of Miami  
 State of Arizona  
 State of Colorado  
 State of New Mexico  
 State of Wyoming

## MILITARY

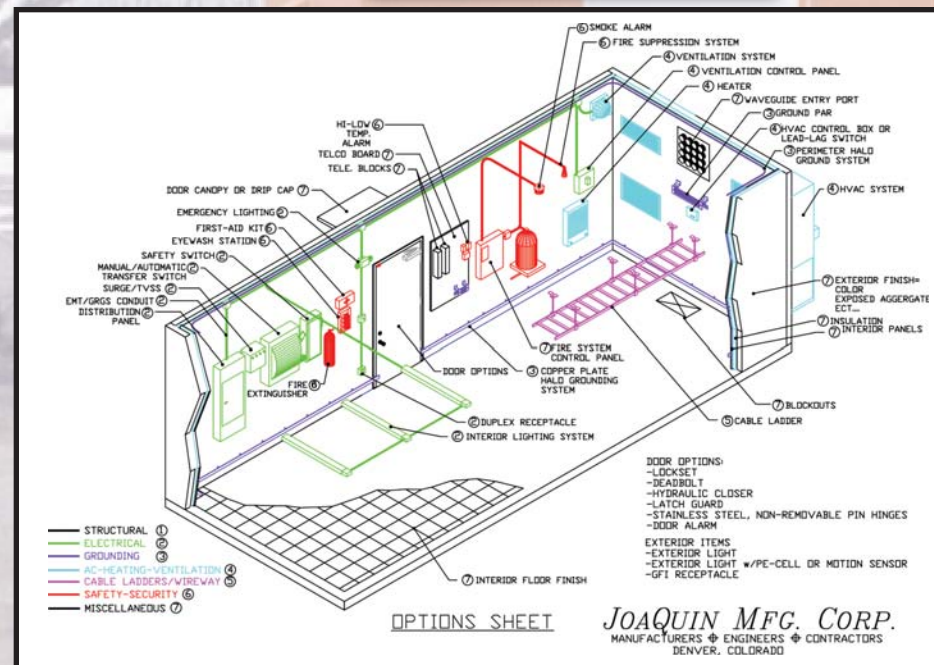
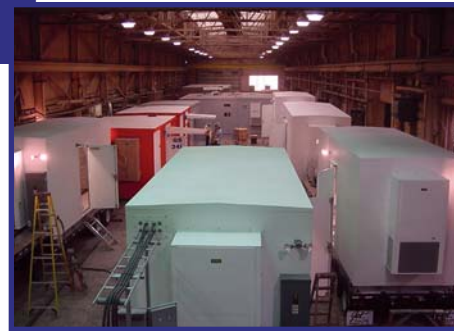
Corps of Engineers  
 U.S. Air Force  
 U.S. Army  
 U.S. Coast Guard  
 U.S. Marines  
 U.S. Navy

## TRANSPORTATION

Chicago & Northwestern Transportation Company  
 Rio Grande-Southern Pacific Railroad Company  
 Long Island Railroad

## INTERNATIONAL

Puerto Rico  
 Australia  
 Russia  
 Republic of Korea  
 Page Iberica, SA  
 Hong Kong



# JOAQUIN MANUFACTURING CORPORATION

MANUFACTURERS

DESIGNERS

ENGINEERS



Since 1978, JoaQuin Manufacturing has been designing, engineering and manufacturing custom prefabricated buildings, all built completely to your specifications and each one designed to fill your individual needs and requirements.

JoaQuin is nationally known and respected for its technical expertise and its outstanding customer service. We have achieved a strong brand equity position resulting from our high quality service, customer support standards and superior production design skill-sets. Our senior management team has over 113 years of combined industry specific experience in the design, engineering and production of large sophisticated electronic equipment shelters to small, complex, lightweight communication shelters.

JoaQuin enjoys widespread corporate identity in the diverse markets it serves and is regarded as the industry pioneer and product innovator resulting from the vast technical knowledge base developed over the past three decades. JoaQuin is centrally located in Metro Denver, which reduces transportation costs and ensures on time delivery.

We are committed to the highest quality standards in our products now and, by staying on the cutting edge of technology, we will continue to be leaders into the future.



Listed below are just a few of the many structures we've produced here at JoaQuin over the last 30 years:

- ♦ Backup Generator Shelters ♦ Communication Shelters
- ♦ Custom Prefabricated Electronic Equipment Shelters ♦
- Defense Military Enclosures ♦ Engine Generator Shelters ♦
- Guardhouses ♦ HazMat Shelters ♦ High Intensity Approach
- Lighting System Shelters (ALSF2) ♦ Instrumentation
- Landing System (ILS) ♦ ALSR ♦ MCC Shelters ♦ Outer
- Marker Shelters ♦ Portable Communication
- Shelters ♦ Portable Electronic Shelters ♦ Pump
- Houses ♦ Substation Shelters ♦ Switchgear
- Houses ♦ Switchgear Houses ♦ Ticket
- Booths ♦ Trailers ♦ UPS ♦ UPS Battery
- Shelters ♦ Weather Monitoring Equipment
- Shelters.

## JOAQUIN MANUFACTURING CORPORATION

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Small Business MBE Enterprise

## PRODUCTION CAPABILITIES

JoaQuin has the facility and expertise to fabricate custom equipment shelters from steel, concrete, fiberglass and aluminum. JoaQuin has been providing these professional custom engineered products for over 25 years. Our custom designed products incorporate time tested structural designs with an array of finishes to ensure the safety of the high tech electronic and mechanical systems that we integrate into our shelters. The ability to be versatile is essential for longevity and success in this industry. Customer requirements, functional variations and site constraints all dictate the need for customized design in system-integrated equipment shelters. Of late, an ever-increasing demand for service, and the resultant rapid growth of technology, place an even higher premium on versatile manufacturing capability.



The variety of materials used for JoaQuin shelters demonstrates the flexibility required to meet customer requirements.

## DESIGN FOR FUTURE GROWTH

The load requirements of a shelter can grow over time. Designing for future growth can provide cost savings to the customer. For example, if cooling requirements increase based on installing additional equipment, JoaQuin can incorporate structural framing for future additions into the shelter during fabrication. Then additional air conditioners can be easily installed at a future date with a minimum of cost and operational impact.



## SITE SPECIFIC DESIGN

Each site has a personality of its own, with different spatial constraints, functional requirements and aesthetic criteria. Thus, it is virtually necessary to modify, to some extent, each shelter layout. Because JoaQuin personnel literally know the shelter designs inside out, we are equipped to efficiently accommodate the site requirements into individual building layouts. More importantly, any modification to an integrated system necessitates changes throughout the system, sometimes from one end of the shelter to the other. JoaQuin has the expertise to integrate changes as necessary to ensure a functional system that is compatible with individual site requirements.



## INTEGRATED SYSTEM DESIGN

A functional electronic shelter requires mechanical and electrical systems to work in unison in order to provide a safe, clean working environment. Temperature-controls, security systems, surge protectors and backup power supplies are just a few of the components that comprise an integrated equipment shelter. Assembling components into a compatible, reliable, integrated system is a key function in the design of JoaQuin equipment shelters. JoaQuin buildings incorporate time-tested electrical components, durable mechanical systems, and failsafe fire protection and alarm systems.



## DESIGN CAPABILITIES

## STRENGTH, DURABILITY AND PROTECTION

JoaQuin equipment shelters are designed to provide lasting protection and a safe, clean working environment for electronic equipment. The first JoaQuin shelters, fabricated almost thirty years ago, are still in service today. Concrete shelters provide maximum bullet and weather resistance. Fiberglass shelters provide low-maintenance durability for protection against the elements. Steel shelters offer the combination of the lightweight advantage of fiberglass with the durable



protection of concrete. The steel shelter structure can be easily reinforced, during production or on a retro-fit basis, to provide accessible attachment locations for heavy accessory equipment such as antennae, cable trays and towers. The strength of steel provides maximum protection at optimum cost.



## PROTOTYPE DESIGN

JoaQuin is continuously involved in designing enclosures for future requirements. Technological changes in electronic equipment will surely change the profile and function of today's equipment shelter. JoaQuin's expertise as a custom design manufacturer will position us to design and fabricate the shelters of the future. One example of that is JoaQuin has extensive expertise in the design, production, integration and installation of various types of Substation Equipment Shelters for the Federal Aviation Administration such as the High Intensity Approach Lighting System with Sequenced Flashing Lights (ALSF-2/SSALR), Instrument Landing System (ILS), Middle Markers and Engine Generator Shelters. These shelters are in use in many airports around the country. We fully integrate these shelters with New Bedford Equipment. Our ALSF-2 Shelter consists of three separate areas: an engine generator area, a substation area as well as a workshop area. JoaQuin has the knowledge to fully integrate these Shelters with the following comprehensive systems: ALSF-2 Shelter: UPS, Terminal Boxes, Surge Arrestors 30 KVA Transformer, Distribution Panels, HVAC System and Modems. The Engine Generator Package: Kohler/w/Silencer, Automatic Transfer Switch, 75 Gallon Day Tank, Load Bank.