

SUBSTATION BUILDINGS

**A**t Joaquin, we've risen substation shelter design to a new level. Whether your shelter needs are for electrical, communication or mechanical, we have the solutions. On time, and on-budget.

**JOAQUIN**  
MANUFACTURING  
FABRICATORS/ENGINEERS/CONTRACTORS

Steel • Fiberglass • Concrete • Aluminum



**JOAQUIN MANUFACTURING CORPORATION**  
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# SUBSTATION ADVANTAGES

- Reduced engineering and procurement costs.
- Reduced installation cost and time.
- Integrated installed systems for pre-tested quality and reliability.
- Single source procurement and project management for accountability.
- Portable for flexibility and tax advantage.
- Sealed for complete protection from all elements.
- 12 gauge walls and roof for rigidity and strength.
- All welded construction- no external fasteners.
- Galvannealed steel (corrosion resistant and paintable).
- Thermal ceramic exterior finish.
- No size limitation (16' X 75' one piece, unlimited modular options).
- Integrated preinstalled equipment.
- Relay panels and gear pre-wired and factory tested.
- Relay panels provided by JoaQuin for complete package.

## Options

- Complete AC and DC systems.
- Under floor or overhead cable trays.
- Buildings with floor or drop over enclosure.
- Pre-installed battery racks and pans.
- Pre-installed and pre-wired relay panels.
- Automatic transfer switch.
- Batteries and hydrogen alarm with fan controls.
- Fully assembled substation units with all the control and protective equipment interconnected to a marshalling cabinet or similar interface.
- Under floor cable tray systems for utility and government clients.
- Listed fire alarm systems.
- Halon or other specialty-gas fire systems.
- Foundation design drawings for each shelter when required.
- Cable tray and halo grounding systems.
- In addition to Galvannealed steel, JoaQuin offers Stainless Steel, Aluminum, FRP and Concrete construction with any exterior finish.

## Additional Capabilities

- Installation and control of generator sets for both standby and prime power applications.
- Installation and interconnect of low and medium voltage switchgear, including MCCs, VFDs, and interface with PLC.
- Hazardous location shelters and pressurized shelters.
- Receiving and installation of customer-supplied equipment such as airfield lighting, controls, UPS equipment and battery charging systems.
- Trailer mounted systems with generator sets, pneumatic antenna masts, custom noise dampening and security provisions.
- Containerized systems where extra portability is required.
- Truck-mounted systems, such as mobile cell sites with dish antennas.

## Previous Clients

*Bonneville Power*

*Empire Electric*

*EPC*

*Eurus Energy*

*Florida Power & Light*

*Montana Power*

*Nextera*

*Pacific Power & Light*

*Tri-State Generation*

*WAPA*

*White River Electric*

*Xcel Energy*

