Highest Quality Weatherproof Electrical Equipment
Marina Electrical Equipment manufactures the highest quality weatherproof electrical equipment in the marina industry. Our extensive experience in this business allows us to produce the most advanced and user-friendly product scope of any power equipment manufacturer which includes stainless steel and polycarbonate power pedestals, utility centers, fire safety pedestals, unit substations, panelboards, wire and cable, and solid state electric monitoring devices. We also offer complimentary electrical layout and design consulting services by our experienced staff. Marina Electrical Equipment is dedicated to continuing our long-standing history of designing and building the safest, most functional weatherproof electrical equipment in the business. We look forward to serving our customers and building lasting relationships in the process.
Marina Electrical Equipment has performed extensive research and design to create the most innovative and user-friendly power pedestal, the “Harbor Light SS.” This pedestal truly represents modernization, and ease-of-use. We have taken all that we have learned over the past 30 years in this business to create a power pedestal that is exceptionally durable, practical, and clean-looking, as well as simple to install and maintain.

**Standard Features**

- Intertek-ETL Listed, tested in accordance with Underwriters Laboratories-231 standards, CAN/CSA Standard C22.2 No.29 and NFPA 303.
- Rugged, long-lasting 16-gauge 316L stainless steel NEMA 3R main housing.
- Heavy-duty .1875” thick injection-molded polycarbonate top and lens assemblies.
- Limited 7-Year Warranty on exterior components.
- Extra wide back-lit receptacle faceplate for easier plug-in.
- Highest quality stainless steel Leviton® twist-lock receptacles.
- Highest quality Globetron® 100-amp pin and sleeve receptacles (when 100-amp receptacles are selected).
- Time-tested, market-trusted Square-D® circuit breakers.
- Patent-pending pivoting receptacle faceplate assembly, which simplifies field-maintenance tasks such as replacing circuit breakers, receptacles or meter current transformer coils.
- Photocell-controlled 14-Watt compact fluorescent light fixture with circuit-breaker protection.
- 250-Amp rated copper stud-lug single phase 125/250V terminal block.
- Newly designed, highly functional dual hose/cable brackets, capable of holding min. 50’ of standard 5/8” ID garden hose or 50’ of 50-ampere, 4-wire shore power (S.O.) cord.
- Clean-looking flush-mounted access panels.
- Durable polycarbonate mounting base plate which isolates the bottom housing from the dock surface.
- Lockable polycarbonate weatherproof doors which shield the receptacles and circuit breakers from the elements while in use (as required by NFPA 303 and NEC Article 555).

**Optional Features**

- Recptacle Options:
  - 20A, 125V Duplex GFCI.
  - 20A, 125V L5-20R Twist-Lock Shorepower.
  - 30A, 125V L5-30R Twist-Lock Shorepower.
  - 50A, 125V SS-1 Twist-Lock Shorepower.
  - 50A, 125/250V SS-2 Twist-Lock Shorepower.
  - 100A, 125/250V Pin and Sleeve Shorepower.
  - 100A, 125/250V Pin and Sleeve Shorepower.
  - 100A, 480V Pin and Sleeve Shorepower.
- Interlocking circuit breakers.
- Solid-state electric monitoring for sub-metering kWh consumption.
- Wireless NUCORE™ remote meter reading.
- Ground Fault Monitoring at each slip (patent-pending).
- 250-Amp rated copper stud-lug three phase 125/250Y terminal block.
- 250-Amp rated Split Terminal Block.
- ¾” IPS ball valve hose bibs.
- Hose bib vacuum breakers.
- Water metering.
- Phone, Cable TV, and/or Data ports.
- Photocell-controlled 5-Watt, 380 Lumen LED light fixture.
- Amber or Clear Polycarbonate Lens.

**Standard Dimensions:**

42.5” H
11.125” W
11.125” D

**Web:** marinaelectricalequipment.com  •  **Toll Free:** 1-855-258-3939
“Harbor Light” power pedestal has been developed as a polycarbonate sister to the “Harbor Light SS” and sets a new standard for durability and ease-of-use. Built to withstand the harshest in environmental conditions, the “Harbor Light” keeps with the Marina Electrical Equipment philosophy of being incredibly simple to install, maintain and operate for many years.

**Standard Features**

- Intertek-ETL Listed, tested in accordance with Underwriters Laboratories-231 standards, CAN/CSA Standard C22.2 No.29 and NFPA 303.
- Heavy-duty .1875” thick injection-molded polycarbonate main housing, lens and top assemblies.
- Limited 7-Year Warranty on exterior components.
- Extra wide back-lit receptacle faceplate for easier plug-in.
- Highest quality stainless steel Leviton® twist-lock receptacles.
- Time-tested, market-trusted Square-D® circuit breakers.
- Patent-pending pivoting receptacle faceplate assembly, which simplifies field-maintenance tasks such as replacing circuit breakers, receptacles or meter current transformer coils.
- Photocell-controlled 14-Watt compact fluorescent light fixture with circuit-breaker protection.
- 250-Amp rated copper stud-lug single phase 125/250V terminal block.
- Newly designed, highly functional dual hose/cable brackets, capable of holding min. 50’ of standard 5/8” ID garden hose or 50’ of 50-ampere, 4-wire shore power (S.O.) cord.
- Clean-looking flush-mounted access panels.
- Durable polycarbonate mounting base plate which isolates the bottom housing from the dock surface.
- Lockable polycarbonate weatherproof doors which shield the receptacles and circuit breakers from the elements while in use (as required by NFPA 303 and NEC Article 555).

**Optional Features**

- Receptacle Options:
  - 20A, 125V Duplex GFCI.
  - 20A, 125V L5-20R Twist-Lock Shorepower.
  - 30A, 125V L5-30R Twist-Lock Shorepower.
  - 50A, 125V SS-1 Twist-Lock Shorepower.
  - 50A, 125/250V SS-2 Twist-Lock Shorepower.
- Interlocking circuit breakers.
- Solid-state electric monitoring for sub-metering kWH consumption.
- Wireless NUCORE™ remote meter reading.
- Ground Fault Monitoring at each slip (patent-pending).
- 250-Amp rated copper stud-lug three phase 125/250V terminal block.
- 250-Amp rated split terminal block.
- ¼” IPS ball valve hose bibs.
- Hose bib vacuum breakers.
- Water metering.
- Phone, Cable TV, and/or Data ports.
- Photocell-controlled 5-Watt, 380 Lumen LED light fixture.
- Amber or Clear Polycarbonate Lens.

**Standard Dimensions**

- 42.5” H
- 11.125” W
- 11.125” D

[Images of the Harbor Light Power Pedestal Model HL30100]

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Marina Electrical Equipment strives to stay on the cutting-edge of product development. Modern marinas require more electrical capability than ever before, and our flagship power pedestal, the “Commodore SS” is designed to fit that need. With the ability to supply dual voltages/phases at up to 500A each, the Commodore SS enables the marina to accommodate the diverse power requirements of the larger super-yachts.

**Standard Features**

- Intertek-ETL Listed, tested in accordance with Underwriters Laboratories-231 standards, CAN/CSA Standard C22.2 No.29 and NFPA 303.
- Rugged, long-lasting 16-gauge 316L stainless steel NEMA 3R main housing.
- Heavy-duty .1875” thick injection-molded polycarbonate top assembly.
- Limited 7-Year Warranty on exterior components.
- Extra wide back-lit receptacle faceplate for easier plug-in.
- Highest quality stainless steel Leviton® twist-lock receptacles.
- Highest quality Globetron® 100-amp pin and sleeve receptacles (when 100-amp receptacles are selected).
- Industry-trusted Russellstoll 200-amp pin and sleeve receptacles (when 200-amp receptacles are selected).
- Time-tested, market-trusted Square-D® circuit breakers.
- Patent-pending pivoting receptacle faceplate assembly, which simplifies field-maintenance tasks such as replacing circuit breakers, receptacles or meter current transformer coils.
- Photocell-controlled dual 14-Watt compact fluorescent light fixture with circuit-breaker protection.
- 250-Amp rated copper stud-lug single phase 125/250V terminal block.
- Newly designed, highly functional dual hose/cable brackets, capable of holding min. 50’ of standard 5/8” ID garden hose or 50’ of 50-ampere, 4-wire shore power (S.O.) cord.
- Clean-looking flush-mounted access panels.
- Lockable polycarbonate weatherproof doors which shield the receptacles and circuit breakers from the elements while in use (as required by NFPA 303 and NEC Article 555).

**Optional Features**

- Receptacle Options:
  - 20A, 125V Duplex GFCI.
  - 20A, 125V L5-20R Twist-Lock Shorepower.
  - 30A, 125V L5-30R Twist-Lock Shorepower.
  - 50A, 125V SS-1 Twist-Lock Shorepower.
  - 50A, 125/250V SS-2 Twist-Lock Shorepower.
  - 100A, 125/250V Pin and Sleeve Shorepower.
  - 100A, 125/250Y Pin and Sleeve Shorepower.
  - 100A, 480V Pin and Sleeve Shorepower.
  - 200A, 480V Pin and Sleeve Shorepower.
  - Hardwire Cam-Type Connectors.
  - Interlocking circuit breakers.
  - Dual phase terminal blocks – available to 500-Amp ratings each.
  - 250-Amp rated copper stud-lug three phase 125/250Y terminal block(s).
  - Solid-state electric monitoring for sub-metering kWh consumption.
  - Wireless NUCORE™ remote meter reading.
  - Ground Fault Monitoring at each slip (patent-pending).
  - ¾” IPS ball valve hose bibs.
  - Hose bib vacuum breakers.
  - Water metering.
  - Phone, Cable TV, and/or Data ports
  - Photocell-controlled dual 5-Watt, 380 Lumen LED light fixture.
  - Amber or Clear Polycarbonate Lens.
The “Bayside” was developed as an economical solution for marinas and personal docks where space is limited. This compact utility center can handle a large current load, but is small enough to mount neatly on a triangular dock box, or piling, keeping the deck surface clean and un-cluttered. This attractive little unit is packed full of features and electrical service capabilities without compromising quality or ease-of-use.

**Standard Features**
- Intertek-ETL Listed, tested in accordance with Underwriters Laboratories-231 standards, CAN/CSA Standard C22.2 No.29 and NFPA 303.
- Heavy-duty .1875” thick injection-molded polycarbonate NEMA 3R main housing.
- Limited 7-Year Warranty on exterior components.
- Extra wide receptacle faceplate for easier plug-in.
- Highest quality stainless steel Leviton® twist-lock receptacles.
- Time-tested, market-trusted Square-D® circuit breakers.
- Patent-pending pivoting receptacle faceplate assembly, which simplifies field-maintenance tasks such as replacing circuit breakers, receptacles or meter current transformer coils.
- Photocell-controlled 14-Watt compact fluorescent light fixture with circuit-breaker protection.
- 140-Amp rated copper stud-lug single phase 125/250V terminal block.
- Lockable polycarbonate weatherproof doors which shield the receptacles and circuit breakers from the elements while in use (as required by NFPA 303 and NEC Article 555).

**Optional Features**
- Receptacle Options:
  - 20A, 125V Duplex GFCI.
  - 20A, 125V L5-20R Twist-Lock Shorepower.
  - 30A, 125V L5-30R Twist-Lock Shorepower.
  - 50A, 125V SS-1 Twist-Lock Shorepower.
  - 50A, 125/250V SS-2 Twist-Lock Shorepower.
- V.I.P. Technology - Versatile Interchange Plates for quick and easy receptacle configuration changes.
- Solid-state electric monitoring for sub-metering kWh consumption.
- Wireless NUCORE™ remote meter reading.
- Ground Fault Monitoring at each slip (patent-pending).
- 140-amp rated copper stud-lug three phase 125/250V terminal block.
- Phone, Cable TV, and/or Data ports
- Photocell-controlled 5-Watt, 380 Lumen LED light fixture.
- Amber or Clear Polycarbonate Lens.
- 5052 aluminum pedestal.
- 316L stainless steel pedestal.
- ¾” IPS ball valve hose bibs (with pedestal option).
- Hose bib vacuum breakers (with pedestal option).
- Water metering (with pedestal option).
Marina Mate SS Power Pedestal Model MMSS2050

The “Marina Mate SS” is a stylish and economical alternative to the full-sized “Harbor Light SS” power pedestal. This unit is the ideal choice for the smaller marina or personal docks with smaller power demands. It can be outfitted with receptacles and circuit breakers to serve as a full-fledged power pedestal, or simply as an attractive luminaire to complement the marina or landscape ambience.

**Standard Features**

- Intertek-ETL Listed, tested in accordance with Underwriters Laboratories-231 standards, CAN/CSA Standard C22.2 No.29 and NFPA 303.
- Rugged, long-lasting 16-gauge 316L stainless steel NEMA 3R main housing.
- Heavy-duty .1875” thick injection-molded polycarbonate NEMA3R main housing and top assembly.
- Limited Lifetime Warranty on main housing and top.
- Highest quality Leviton® twist-lock receptacles.
- Time-tested, market-trusted Square-D® circuit breakers.
- Patent-pending pivoting faceplate assembly, which simplifies installation and field-maintenance tasks such as replacing circuit breakers, receptacles or meter coils.
- Photocell-controlled 14-Watt compact fluorescent light fixture with either clear or amber polycarbonate lens.
- 140-Amp rated copper stud-lug single phase 125/250V terminal block.
- Polycarbonate weatherproof covers.

**Optional Features**

- Receptacle Options:
  - 20A, 125V Duplex GFCI.
  - 20A, 125V L5-20R Twist-Lock Shorepower.
  - 30A, 125V L5-30R Twist-Lock Shorepower.
  - 50A, 125V SS-1 Twist-Lock Shorepower.
  - 50A, 125/250V SS-2 Twist-Lock Shorepower.
- Solid-state electric monitoring for sub-metering kWh consumption.
- Wireless NUCore™ remote meter reading.
- Ground Fault Monitoring at each slip (patent-pending).
- 140-Amp rated copper stud-lug three phase 125/250Y terminal block.
- ¾” IPS ball valve hose bibs.
- Hose bib vacuum breakers.
- Phone, Cable TV, and/or Data ports
- Photocell-controlled 5-Watt, 380 Lumen LED light fixture.
- Amber or Clear Polycarbonate Lens.
Marina Electrical Equipment knows how important safety is to the marina manager, and we have designed the “Fire Station” to fit this need. The “Fire Station” safety pedestal is the perfect solution to keep your marina in compliance with NFPA 303 6.2.1.1.1, which states: “(1) Extinguishers listed for Class A, Class B, and Class C fires shall be installed at the pier/land intersection on a pier that exceeds 25 ft. in length. (2) Additional fire extinguishers shall be placed such that the maximum travel distance to an extinguisher does not exceed 75 ft.” This pedestal compliments the look and feel of our other products, and will stand at the ready for any marina emergency. This unit is also suitable for poolside or private dock environments as well.

**Standard Features**
- Rugged, long-lasting 22-gauge 316L stainless steel main housing.
- Heavy-duty .1875” thick injection-molded polycarbonate top and lens assemblies.
- Limited 7-year warranty on exterior components.
- Photocell-controlled 14-Watt compact fluorescent light fixture with circuit-breaker protection.
- 15-Amp rated single phase 125V terminal block.
- Unmistakable backlit fire extinguisher symbol laser-cut in spring-loaded hinged cabinet door with red polycarbonate window.
- Durable .250” thick injection-molded polycarbonate mounting base plate which isolates the bottom housing from the dock surface

**Optional Features**
- 10-pound or 20-pound, Type ABC fire extinguisher, mounted on a bracket which suspends it above the bottom tray to inhibit corrosion.
- 24” life ring
- Dual-function alarm and strobe which activates with the removal of the optional 24” life ring and/or fire extinguisher.
- Photocell-controlled 5-Watt, 380 Lumen LED light fixture.
- Amber or Clear Polycarbonate Lens.

**Fire Station Mounting Detail**

**Fire Station 10 or 20-lb. Extinguisher Option**
Fire suppression systems are an integral part of the modern marina’s fire safety design. These systems are vital, but often unsightly. Marina Electrical Equipment has designed the “Fire Station Hose Rack” to accommodate essential fire safety gear in one clean and functional cabinet. Combine lighting, standpipe, valve/rack assembly with 100’ of fire hose and 10 or 20-lb. type ABC fire extinguisher in one compact package to stand ready for any fire emergency.

**Standard Features**

- Rugged, long-lasting 16-gauge 316L stainless steel main housing.
- Heavy-duty .1875” thick injection-molded polycarbonate lens assemblies.
- Limited 7-year warranty on exterior components.
- Photocell-controlled dual 14-Watt compact fluorescent light fixture with fuse protection.
- 15-Amp rated single phase 125V terminal block.
- Unmistakable backlit fire extinguisher symbol laser-cut in hinged cabinet door with red polycarbonate window.
- Laser-cut backlit “FIRE” lettering on end walls with red polycarbonate window.
- Isolating mounting base which protects the bottom housing from the dock surface.

**Optional Features**

- 10-pound or 20-pound, Type ABC fire extinguisher, mounted on a bracket which suspends it above the bottom tray to inhibit corrosion.
- 24” life ring
- Dual-function alarm and strobe which activates with the removal of the optional 24” life ring and/or fire extinguisher.
- Photocell-controlled dual 5-Watt, 380 Lumen LED light fixture.
- Amber or Clear Polycarbonate Lens.
International Intelligent Metering Solid State Electric Meter

Marina Electrical Equipment utilizes the latest in solid-state electric metering technology by International Intelligent Metering, LLC (IIM). The patented IIM sub meter revolutionizes the utilities monitoring industry as it can be equipped with the wireless NuCore™ system which consists of an on-board transceiver device that communicates data to a central base station and PC at the marina office utilizing MESH Technology. This MESH configuration reduces issues with line of sight signal loss by using other neighboring meters to relay or “bounce” the signal to the central base station. Accumulated data is processed with the NuCore™ system software for creating customer profiles to manage usage history and billing and is based in Microsoft® Access and Excel format, making it compatible with any accounting management software for invoicing.

The IIM sub-meter has also made a giant leap in the industry with respect to safety. This unit is available with an optional patented on-board Ground Fault Monitoring Device, which detects current leakages at the slip. Ground faults are the leading causes of injuries, deaths, and equipment damages in marinas and boatyards, and the IIM Ground Fault Monitor option is a smart approach to improving marina safety.

Standard Features

- Intertek-ETL Listed, tested in accordance with Underwriters Laboratories-916 standards, CAN/CSA Standard C22.2 No.205.
- Approved by State of California Division of Measurement Standards.
- Exceeds ANSI C12.1 and ANSI C12.10.
- Kilowatt-Hour (kWH) consumption output.
- Accuracy superior than ±1%.
- Input Voltages:
  - Single-phase 120VAC, 120/240VAC, 60 Hz,
  - Three-phase 120/208VAC, 277/480VAC, 480VAC, 60 Hz.
- Input Current of 1-200 amps.
- Input Protection:
  - Current-limiting flame proof resistor.
  - TVSS or MOV for surge protection.
  - Resettable PTC for overcurrent protection.
- Fully operational between -20°F (-30°C) to 140°F (60°C).
- Limited 5-year warranty.

Optional Features

- Wireless KHZ Series NuCore™ system option for wireless meter reading and management.
- On-board ground fault monitoring KHG Series option—can identify an individual boat with dangerous AC or DC leakage to ground and/or water.
- KHZG Series to combine NuCore™ wireless meter reading and ground fault monitoring in one convenient package.
The GTX™ Unit Substation by Marina Electrical Equipment is a revolutionary new design that has never been seen in the marina industry until now. The patent-pending design utilizes **Ganged-Toroidal Transformers** which operate more efficiently with approximately 50% less power losses, less heat output, and approximately 35% less weight than standard NEMA TP-1 e-Rated core and coil transformer substation designs. This energy-efficient system reduces operating costs, requires 35% less dock space and 35% less flotation than competitive products. Incorporation of a GTX™ Unit Substation in the marina electrical design is an economical solution that reduces cable size, cable weight, and electrical installation costs.

### Standard Features

- ETL Listed, tested in accordance with Underwriters Laboratories-1062 standards, CAN/CSA Standard C22.2 No.31-10 and NFPA 303.
- Single Phase ganged toroidal transformers (patent-pending) available to 300kVA.
- Three Phase ganged toroidal transformers (patent-pending) available to 300kVA.
- Ganged toroidal transformers and secondary-side distribution panel mounted in single NEMA 3R 316L stainless steel enclosure with single lockable access door (patent-pending).
- 36-circuit distribution panel sizes up to 1200-ampere main circuit breaker/main lug.
- Extra-large wiring access area with removable .080 aluminium gland plate for simple cable entry.
- Simple mounting and installation design:
  - **Lifting**: engineered swivels designed/tested to lift four (4) times unit substation static weight (concealed beneath removable solar shield)
  - **Handling/Positioning**: front/side fork access.
  - **Positioning**: bottom rolling rails.
  - **Mounting**: 1/2” mounting slots at each corner (concealed behind removable louvered access panels).
- Standard 12” base height, requiring no field-curbing or modifications to comply with 12” datum plane requirements.
- White powder-coat exterior finish.
- Thermo-statically controlled axial fans maintain efficient operating temperature.
- Fine-stranded, tin-plated copper leads – Class F insulation.
- Limited 7-year warranty on all exterior components.

### Typical Panel and Transformer Combinations

<table>
<thead>
<tr>
<th>Single-Phase Panel Main</th>
<th>Transformer Size</th>
</tr>
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<tbody>
<tr>
<td>200A</td>
<td>50 kVA</td>
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<tr>
<td>300A</td>
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<td>400A</td>
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<tr>
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<table>
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<th>Three-Phase Panel Main</th>
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<td>200A</td>
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<tr>
<td>300A</td>
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<tr>
<td>400A</td>
<td>150 kVA</td>
</tr>
<tr>
<td>600A</td>
<td>240 kVA</td>
</tr>
<tr>
<td>800A</td>
<td>300 kVA</td>
</tr>
</tbody>
</table>

### Optional Features

- **Primary Voltages**: 480V Single Phase, 480V Delta Three Phase, 600V Single Phase, or 600V Delta Three Phase.
- **Secondary Voltages**: 125/250 VAC Single Phase, 127/220 Wye Three Phase.
- Primary disconnect.
- Integrated Surge Protective Device (SPD) for supreme surge protection.
- Integrated Ground Fault Monitor (GFM) for maximum safety.

Web: marinaelectricalequipment.com • Toll Free: 1-855-258-3939
Marina Electrical Equipment is committed to being an all-inclusive manufacturer and supplier of the highest quality marina electrical products in the industry. Our product scope does not stop at the pedestals alone, as we have the resources and the capability to produce or supply absolutely every piece of equipment necessary to satisfy your specific requirements and situation. Whether your project requires stand-alone transformers, panelboards, switchboards, service-entrance equipment and wire/cable, we can provide it all, tailored to your exact specifications at the most competitive prices.

**PANELBOARDS**
- Main Bus, 100-1200 amp copper or aluminum.
- Integrated Surge Protective Device (SPD) for maximum surge protection.
- Integrated Ground Fault Monitor (GFM) for maximum safety.
- Main circuit breaker.
- Main lug only.
- Feed-through lugs.
- Branch-mounted main circuit breakers.
- Standard NEMA 3R surface-mount enclosures available.
- Stainless steel NEMA 3R and NEMA 4X free-standing enclosures available.
- Stainless steel NEMA 3R and NEMA 4X surface-mount enclosures available.
- UL/ETL, CSA Listed.

**TRANSFORMERS**
- Copper or aluminum wound coils.
- Coils are double-dipped in high-temperature varnish and baked.
- Single phase transformers available from 50 kVA to 330 kVA.
- Three phase transformers available from 45 kVA to 500 kVA.
- Typical primary voltages: 480V, 480V Delta Three Phase, 600V Delta Three Phase.
- Standard NEMA 3R enclosures available.
- Stainless steel NEMA 3R enclosures available.
- UL and CSA Listed.

**WIRE AND CABLE**
- Types G and G-GC multi-conductor power cable.
- Type W single and multi-conductor power cable.
- Types THWN and XHHW single conductor wire.
- Many other types available.
Marina Electrical Design Services

Complimentary Marina Electrical Designs by Marina Electrical Equipment are just another aspect of our dedication to providing the highest quality customer service in the business. Our experienced technical staff can provide professional assistance in creating an economical electrical layout that keeps equipment, wire, and labor costs to a minimum – at no cost or obligation to you. There are no projects too large or too small for us to design and we welcome every opportunity to serve our customers.

All Complimentary Electrical Designs by Marina Electrical Equipment Follow the Most Recent Publication of the National Electric Code®, Article 555, Entitled: “Marinas and Boatyards” or the CSA Standards C22.1-12, Section 78, Entitled: “Marinas, Yacht Clubs, Marine Wharves, Structures, and Fishing Harbours”

Standard Details of Our Designs Include:
• Power Pedestal Type and Placement
• Receptacle Sizes
• Wire and Cable Gauge Sizes
• Wire and Cable Types
• Conduit Sizes
• Substation Placement and Sizes
• Panelboard Placement and Sizes
• Transformer Placement and Sizes
• Safety Switch Placement and Sizes
• Load Calculations and Requirements
• Voltage Drop Calculations
• Electrical Layout Drawing
• Electrical Single-Line Schematic Drawing

Electrical Layout Drawing

Electrical Single-Line Schematic

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