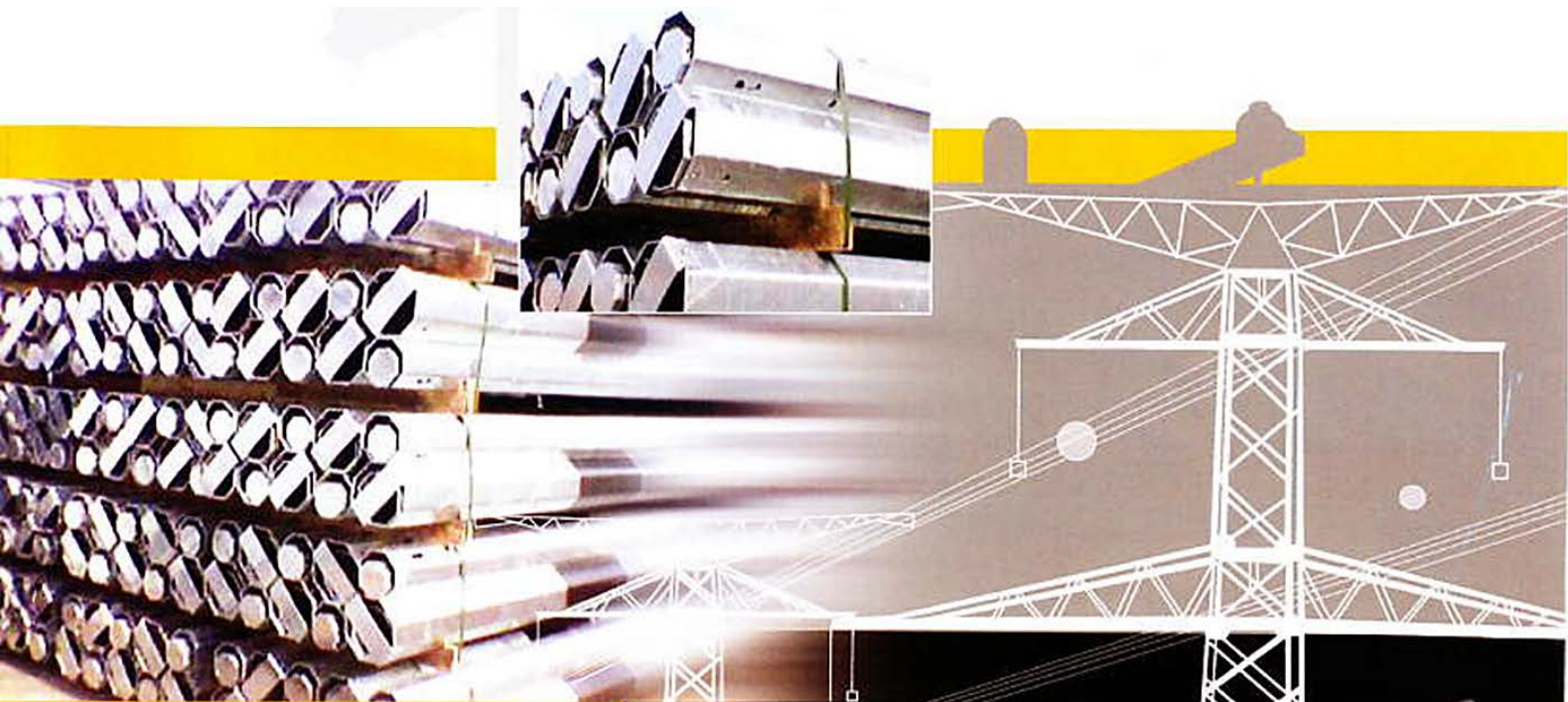


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Steel Distribution Poles

ADVANTAGES of Steel Distribution Poles

Weight

Weighing approximately 50-70% less than comparable wood structures, the steel poles are easier and less expensive to handle and install.

Easy-To-Use

The poles can be pre-drilled to accommodate special customer framing requirements. Most existing hardware can easily be used on steel structures. Due to the light weight of steel and pre-drilling, steel poles can be installed much faster than wood.

Uniformity

Steel poles provide constant taper and uniform diameters without twists, knots, splits or bows. Hardware is standard and always fits. Steel also has uniform material strength throughout the entire structure providing more consistent and predictable results than wood.

Flexibility

As a standard, steel poles are directly embedded. In special situations, such as rock anchor, base poles can be provided. Steel poles can be custom designed and fabricated to support larger and heavier loadings with longer spans as well as being able to meet greater height requirements.

Corrosion Protection

During the galvanizing process, the entire pole is immersed in the bath of molten zinc. Because the pole is immersed in both the cleaning solutions, flux and zinc, the inside surface is adequately cleaned and a good layer of zinc bonds to the pole. This process protects the pole inside and out.

Reliability

But by its very nature, wood lacks the material consistency and engineered strength of steel. Every steel pole is designed to meet minimum yield strength.

Maintenance

After installing steel poles, there is no need to retighten hardware later due to pole shrinkage. Steel retains its shape and strength and is not susceptible to rot and damage by woodpeckers, insects, or fire. There is no expensive inspection and toxic treatment programs necessary after the installation of steel poles.

Safety

The steel structures do not require a full length copper grounding wire. They are self conducting for grounding purposes. Provisions for grounding are provided on each pole.

Environmental

Steel poles are an answer to Environmental Protection Act regulations and deforestation issues. The poles are non-toxic, which reduce disposal problems and costs, and they can be reused or recycled.

Procurement

Lead time is short and predictable with steel poles, and there are no costly pre-shipment inspection



» Typical packaging of steel pole



» Placing of wood on each packaging provides space for forklift and bundled in a quantity of a multiple of 10 for easy lifting and moving and to prevent injury to item during transportation



Introduction:

This specification covers the design, material, fabrication, testing and packing of steel Poles (comprised of 7.5m, 9m and 11m both of standard and enhanced type) used in overhead distribution system. The hot dip galvanized pole is fabricated from high quality steel sheet bent into an octagonal shape and welded along a vertical seam. The steel poles are manufactured in two sections, and which may be assembled on site by friction fit joint. We can also customise the steel poles according to other unique situations.

The poles are suitable for use in the tropical climate, with a maximum ambient temperature of approximately 40 degrees Celsius and a mean annual temperature of approximately 30 degrees Celsius with heavy rainfall and humidity of approximately 100%.

Our Fabrication Method:

Pole sections, up to 20 ft in length are produced from hot rolled steel by pressing a trapezoidal sheet on a press brake. Automated seam welders are used on vertical seams and a high-speed slagger drill machine ensures that base plates are drilled accurately. Certified welders with years of experience in steel fabrication perform all manual welds.

NOTE: For fixing the "kicking block" please discuss with our design team.

Design:

The poles are designed according to ASCE Manual No 72 consistent with the strength and serviceability requirements. The poles shall be tapered constantly and of "octagonal" cross sections.



Steel Pole Installations On The Rise

Over the past three years, the number of steel distribution poles installed in the United States and Canada has increased 300 percent (Source- American Iron and Steel Institute). This statistic is a strong indicator of a growing acceptance by utility industry decision-makers who clearly understand the unique product characteristics and long-term benefits of integrating steel into their distribution systems.

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TRANSMISSION STEEL POLES-LT & HT TYPE-MODULAR TAPERED OCTAGONAL

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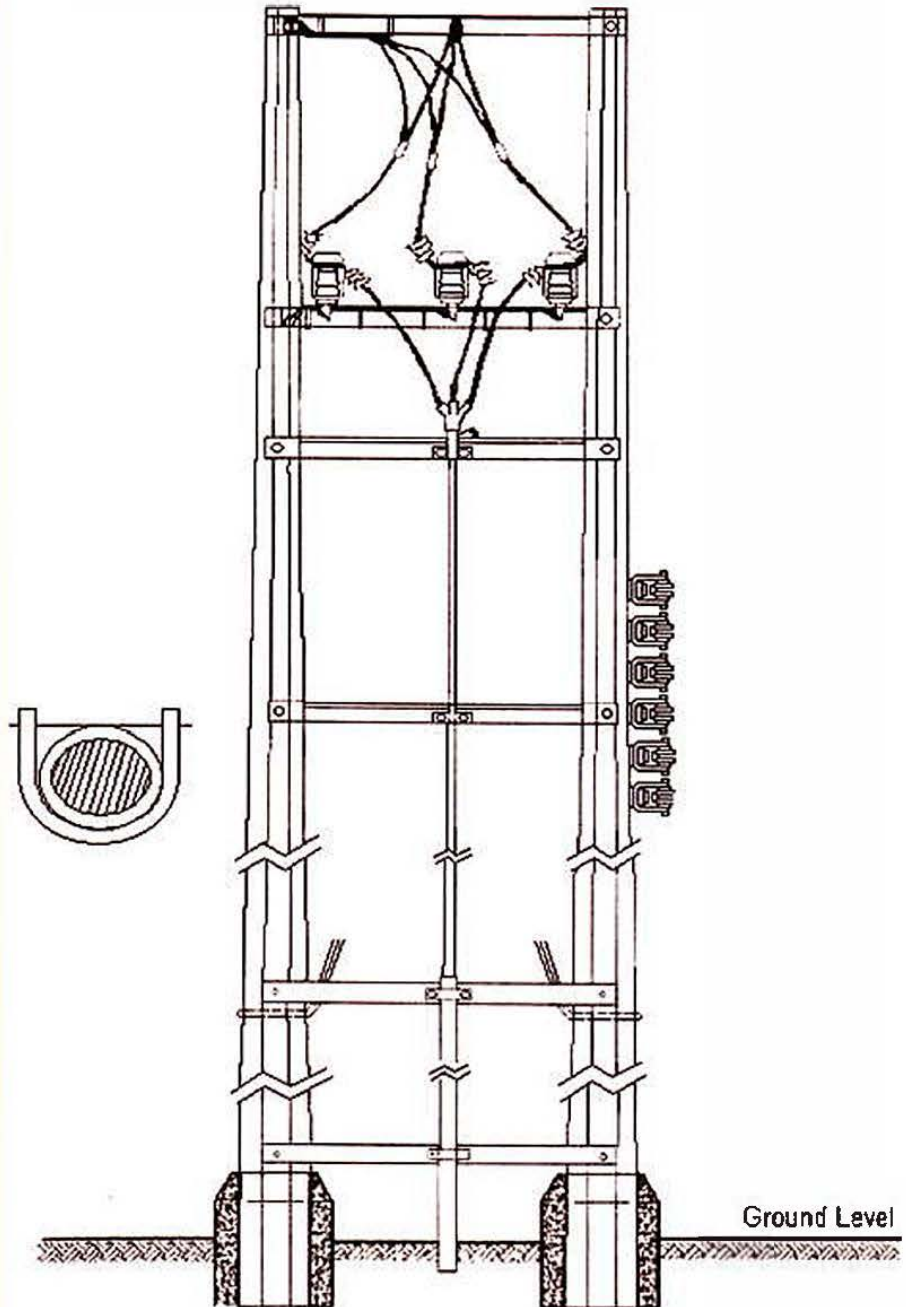
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*"The representations herein merely act as an introduction only.
Any query or further clarifications must be sought from
the company's design team for confirmation."*

