Valmont Newmark is your single source for steel, concrete or hybrid structures for power delivery
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A Tradition of Meeting Needs. Building on its steel pole and tubing experience, Valmont entered the utility pole business in the 1970s, becoming an industry leader. In 2004, Valmont acquired Newmark, North America’s principal concrete utility pole manufacturer and a tubular steel distribution pole manufacturing operation, to better meet your needs with an expanded product line. Today, Valmont Newmark is a leader in the industry with a product range that includes steel, concrete and hybrid poles for transmission, distribution and substations.

From Plant to People. Today’s utility industry is seeking cost-effective ways to improve grid reliability while maximizing operating efficiency. Valmont Newmark is here to help you design and build the most efficient way to bring the power from the power plant to homes, hospitals and businesses. Challenge us with your projects and see why we’re recognized as a worldwide leader in power delivery.
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**Working with Engineers.** Valmont Newmark is revolutionizing the way utility engineers plan and execute transmission and distribution projects. As the nation’s premier provider of spun concrete, tubular steel and hybrid poles, we give you single-source access to a diverse product portfolio plus superior customer service. Now you can easily customize line segments with site-specific poles, enhancing total line integrity.

**Commitment to Research.** Valmont Newmark is working today on the challenges you’ll face tomorrow. We are committed to researching and developing processes and products to provide you with innovative solutions to the challenges you face.
Valmont Newmark’s complete product line, combined with an experienced engineering staff, dedicated customer service, customer-driven research and development and reputable know-how in materials technology, enables us to provide you the highest quality, most economical solutions that meet our industry’s demanding requirements.

Our broad product line includes:
- Tubular Steel
- Spun Prestressed Concrete
- Hybrid Poles, a patented combination pole of Steel and Spun Concrete
- Muscle Pole™, a patented concrete-filled steel pole

We have the right products for your power delivery applications:
- Transmission
- Distribution
- Substation

Cylinder break tests are performed daily to assure the highest strength concrete in the industry.

Valmont Newmark takes great care at each step of the design and manufacturing process to assure that our customers receive the highest quality product, when they want it.
SECTION A--A

8 - 18U X 8'-0" A.B.'s, Gr.75
SPACED ON 46" B.C.

TOP PLATE ASSEMBLY

2-# J-BOLTS

PLATE 2A

TOP SECT 2C

67A
(TYP.)

(1)-3/8" X 1

(4)-1/4" X 3" (TYP.)

(2)-3/8" X 1

10'-0" (TYP.)

53'-9"

ANCHOR BOLT SETTING
Research and Development

Research and development are the hallmark of Valmont Newmark’s progress and leadership in the industry. Perfecting existing designs and developing innovative products are the major goals of Valmont Newmark’s R&D program. The developments will continue to be customer-driven to advance the state-of-the-art. To further advance innovations, Valmont Newmark participates in most major industry standards associations.

Some of our R&D innovations (many of which are patented or patent pending) being widely used in various applications today include:

- Hybrid Poles
- Spliced Sleeve Poles
- High Strength Concrete Poles
- Reverse Taper Concrete Poles
- Muscle Poles

Valmont Newmark consistently conducts horizontal and vertical testing to ensure that our poles meet or exceed the specified design load requirements.
Valmont Newmark’s experience and innovative ideas, combined with the unique attributes of steel, allow us to meet the challenges of today’s demanding market.

- Reliable
- Versatile
- Light weight
- Easy installation
- All finishes available
- AISC Certification
- Environmentally safe
- Aesthetically pleasing

Engineering data files are fed directly into Valmont Newmark’s CNC controlled plasma burning equipment, creating precisely cut steel components.
Our 2,000-Ton pressbrake is among the most reliable and powerful in the industry. Limitless combinations of length, diameter, thickness and taper are possible during the forming process. Bolted and welded connections must be accomplished with the utmost accuracy to assure proper fit-up of mating pieces. Full penetration welds are always inspected and verified ultrasonically. The component does not progress to the next phase of fabrication until it passes completely. Depending on your choice of finish, Valmont Newmark poles are transported to the appropriate processor to receive professional application treatments.
Valmont Newmark’s spun prestressed concrete poles are custom made to meet your specific requirements.

- Cost effective
- Low maintenance
- Field modifiable
- Extremely durable
- Quick delivery
- Aesthetically pleasing
- Direct embedded
- Environmentally safe

Precision tapered molds are prepared for use.

High strength prestressing steel strands are wrapped with spiral wire and locked into tension plates at each end of the mold.

Specially formulated high strength concrete is strategically placed into the mold to ensure proper wall thicknesses.
The mold is bolted closed and the final tension is applied to each prestressing cable.

Centrifugal forces, up to 60 G's, transform concrete into extremely dense, virtually impenetrable, high-strength concrete. The centrifugal force compresses the concrete against the inner wall of the mold.

Final cleaning, preparations, attachments and inspection are completed.

Cross-section of a Valmont Newmark spun prestressed concrete pole. The dense matrix of materials makes the concrete virtually impervious to the elements, resulting in exceptional durability and long life.
Muscle Pole
Valmont Newmark’s Muscle Pole™ is a concrete-filled steel pole which allows for restricted locations such as sidewalks or tight right-of-ways. Some of the benefits include:
- Super high strength in a small diameter
- Self-supporting structure
- Lower cost than an equivalent all-steel pole

Hybrid
Valmont Newmark’s hybrid pole is a steel pole with a concrete pole base, giving you the exceptional height, strength and light weight of steel in the air and the quick installation and impermeability of concrete in the ground.
- Lower cost
- Light weight steel upper section
- Direct embedded concrete pole base section
- Extremely durable
- Economical alternative to drilled pier foundation
- Easy installation in remote areas

Specialty Poles
Valmont Newmarks specialty poles—hybrid pole, muscle pole, spliced concrete or reverse taper concrete pole—were all designed while helping a customer solve particular problems such as mountain or river crossings, urban landscapes or severe weather conditions. Each case required more than a standard pole and we met the challenge. Today these poles are a part of our product offering and are used every day in power delivery.
Spliced Concrete Pole

Valmont Newmark’s patented two piece spliced concrete pole is designed to utilize two lighter weight pole sections, allowing for ease of installation and assembly in confined areas. Some of the benefits include:

- Direct embedded concrete pole
- Cost effective
- Allows for larger height requirements
- Easier installation

Reverse Taper Concrete Pole

Valmont Newmark’s reverse taper concrete pole is designed for larger height requirements in a lighter weight structure.

- Direct embedded concrete pole
- Lower cost
- Allows for larger height requirements

Multi-Sided/ Round Steel Pole

A custom-designed structure combining a traditional multi-sided pole over a round tapered steel pole for extreme loading conditions.
Substations

Valmont Newmark’s tapered, tubular structures are designed for quick and easy installation and offer a lighter structure weight.

- Higher deadend tension capabilities
- Less costly foundations and other underground work
- Safe, comfortable maintenance access
- Lower total installation cost
- Lighter structures
- Stiffer structures
- Space saving capabilities
- Architecturally attractive, aesthetically pleasing
- Reduce deadend structures cost
Valmont Newmark can also supply prestressed spun concrete poles for special design applications.
Steel Distribution

Valmont Newmark is one of the largest suppliers of steel distribution poles in the world. Valmont Newmark is a proven leader you can rely on for round tapered steel distribution poles.

- Consistent strength
- Uniform dimensions
- Lower lifetime costs
- Coating and color options
- Light weight
- Simple to order
- Easy installation
- Environmentally safe
- Low maintenance
- Fire resistant
- Lower lifetime costs
- Environmentally safe
Concrete Distribution

Valmont Newmark’s spun prestressed concrete distribution poles are custom made to meet your specific requirements.

• Cost effective
• Low maintenance
• Field modifiable
• Extremely durable
• Quick delivery
• Aesthetically pleasing
• Direct embedded
• Environmentally safe
Our 11 locations throughout the United States and in Mexico, help facilitate a timely delivery.