

METAL & CABLE CORP., INC.

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FOR IMMEDIATE RELEASE:

AMICABLE MAGNETISM ACHIEVED: PATENT-PENDING MAGNEMOUNT CABLE/CABLE TRAY HOLDING SYSTEM SOLVES INVASIVE LOGJAM FOR WATER DISTRICT & WIRELESS PROVIDERS.

Twinsburg, OH—Sept. 2010

When the Olivenhain Municipal Water District (OMWD; Encinitas, CA) recently mandated a rehabilitative painting of its massive 10 million gallon/300 foot diameter recycling water tank (SAN-227-A Black Mountain Norte), it gave advance notice of 'removal/reinstallation' to the multitude of cell phone companies that used the tank as a telecommunications hub for their antennas and cable trays.

Since draining was required of the tank's contents prior to epoxy coating and painting of its interior/exterior steel, the cable trays for the transmission lines had to be removed prior to the process. The request stated that this was required and essential in order to not adversely affect the tank's protective coatings and seals.

The OMWD, which covers 48 square miles of North San Diego County and serves a population of approximately 68,000 residents, received delayed response and coordination with the carriers to reinstall the equipment. In fact, painting had already began and the carrier's welders weren't able to replace the tray holders that run the cable up the legs, sides and across the curvatures of the tank; thus, rendering re-welding a non-viable option. At this juncture, OMWD's Operations Supervisor Eric Phillips was faced with finding a non-invasive solution to advance the project's timeline for completion—Fall 2010.

MAGNETIC SOLUTION / PROSPECTUS:

Phillips quickly sought council with the project's Construction Manager, Chris Stump of Broken Arrow Communications (Carlsbad, CA) who recently completed an installation using a new patent-pending cable/cable tray mounting system that leveraged non-invasive magnets in its design configuration. Invented by Metal & Cable Corp., Inc. (Twinsburg, OH), The Magnemount Cable/Cable Tray Holding System presented a non-penetrating option to the welding and epoxy attachment methods that were delaying the project.

Designed to withstand winds up to 150 mph, the Magnemount system presented OMWD with a high-capacity magnetic solution to securely carry the cables and trays across and down the curvatures of the steel water tank. Most importantly, it presented no damage to the water tank's interior/exterior surface; providing a fast, 'clean' on-site installation that allowed the flexibility to remove-and-attach at will—without welding.



Independent testing of the Magnemount has resulted in passing stringent seismic and mechanical tests. An unlimited lifetime warranty is also given on all magnets and five years on the complete Magnemount system. Visit www.metal-cable.com for detailed test information on both.

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MAGNEMOUNT CABLE TRAY HOLDING SYSTEM DESIGN / ASSEMBLY:

Designed to conform to the varying curvatures of steel water tanks via independently mounted magnets, the Magnemount system eliminated the need for Broken Arrow's carrier installers to weld, cut cable trays, or add additional hardware to accept the arc of the tank. This is accomplished by attaching 2 Magnemount system magnets every 4' on each side of every 12' length of 304 grade stainless steel "Unistrut"® required for the configuration.

Furthermore, Chris Stump worked with Metal & Cable Corp.'s President and Magnemount inventor, David Klein to provide specific revisions to the system's unique combination of magnets, hardware and neoprene washers. This involved adding an adjustable threaded 'foot' to the mount to provide even more flexibility to the varying curvatures of the tank and make it easier for painting. According to Klein, "The adjustments involved making longer hex head cap screws (up to 5" long) so the cable trays can adjust further off the tank. These act like refrigerator leveling feet so the end of one tray can mate with the new end by adjusting the height of the acorn nut that supports the whole apparatus."

Stump noted that, "The new configuration made it even easier for our installers; once the Magnemount cable tray holders are placed on the tower it takes no more than 1 minute to make adjustments, if necessary. It also accommodates existing surface painting under the system on the water tower tanks and eliminates any need to remove it during future painting processes."

RESULTS / CONCLUSION:

Broken Arrow completed the first installing of the Magnemount system for national wireless carrier Cricket Communications, Inc. (San Diego, CA) in August, 2010; utilizing approximately 250 feet of cable tray and 100 Magnemount magnets in the installation. The OMWD has also required installers for all of the tank's wireless carriers (including; Verizon, Sprint, and T-Mobile, etc.) to incorporate the system and all are in the process of implementing the technology and installing it.

According to OMWD's Phillips, "This system is easy, flexible, maintenance-free, and eliminates permanent welding. Also, with multiple wireless carriers on the tank it simplifies the logistics of coordinating whose tray goes where. Because the Magnemount is not a permanent weld it simplifies the process. The adjustments can be made easily 'on-the-fly' for repositioning them wherever they need to be placed."

Broken Arrow's Stump also noted, "With the proliferation of mounting cell phone antennas on water towers, many wireless providers may opt to leave the water tank arena for antenna mounting because of the water municipalities' resistance to welding on their towers. This 'magnetic solution' provides cell phone companies with a viable option to present water municipalities who are averse to welding on their tanks."



CORPORATE PROFILE:

Since 1981, Metal & Cable Corp., Inc. has been an innovative manufacturer and distributor "hard-to-find" and custom made metals, and electrical wire and cable. The invention of the patent-pending Magnemount mounting system by Metal & Cable's President, David Klein, represents a major advancement in steel water tank antenna and cable tray mounting. Headquartered in Twinsburg, Ohio, Metal & Cable's progressive growth has been achieved through its commitment to its customers and continued dedication to innovation in a myriad of related markets.

For more detailed information, visit the Metal & Cable Corp., Inc. web site at: www.metal-cable.com or call: 800-735-4051