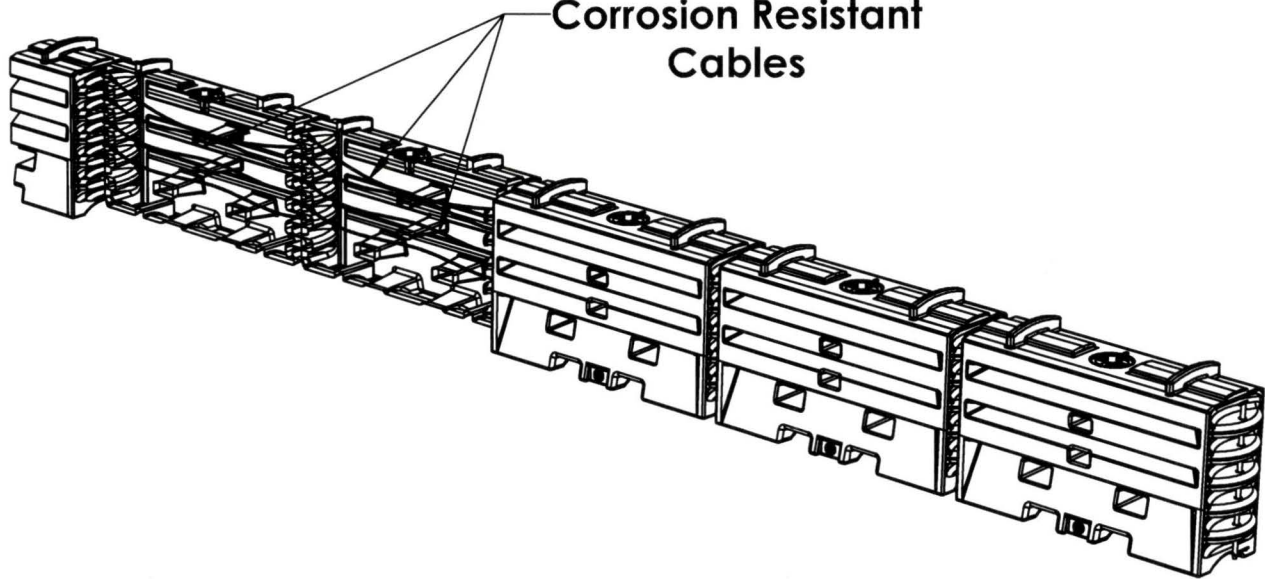
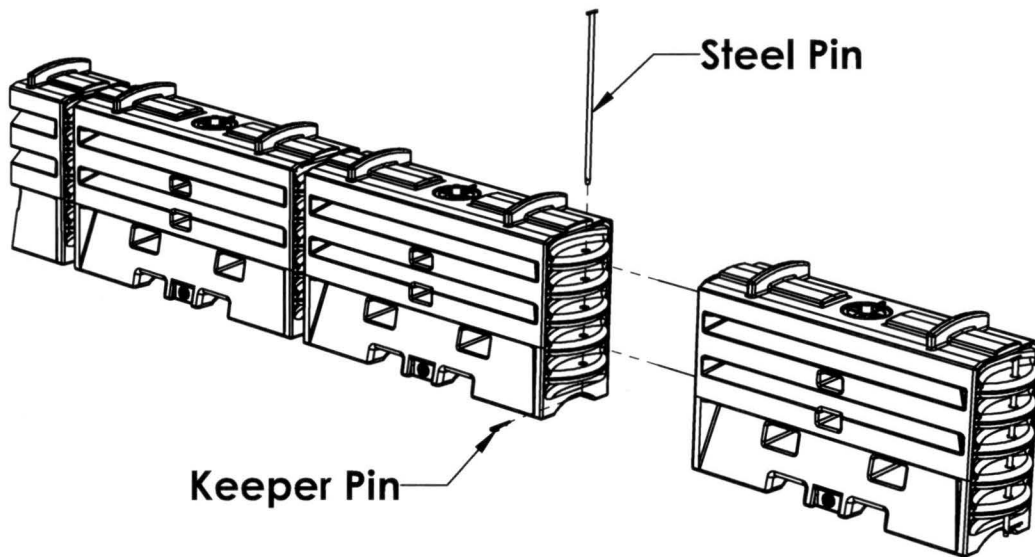


Molded-in
Corrosion Resistant
Cables



Steel Pin



Keeper Pin

Sentry II Water Cable Barrier

**TrafFix
Devices Inc.**



SHEET NO.

DATE:

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2/10/2017

INTENDED USE

The Sentry II Water Cable Barrier is a longitudinal barrier designed to contain, redirect, and shield vehicles from roadside obstacles while providing positive protection and separation between the traveling public and the personnel in the work zone. The Sentry II was designed for TL-3 (62.1 mph/100 km/hr) application. The barrier is also designed for TL-2 (43.5 mph/70 km/hr) and TL-1 (31.1 mph/50 km/hr) applications. The Sentry II is a free-standing system that does not require anchoring to the road surface and can be used on concrete, asphalt, gravel, and dirt surfaces. The surfaces used for testing were concrete and dirt. The system consists of individual water filled plastic modules that are connected to adjacent modules creating a continuous barrier wall of unlimited maximum length with minimum Length Of Need (LON) of 15 connected modules. An empty module weighs approx. 215 lbs. (97.5 kg) and 2,150 lbs. (975.2 kg) when filled with water. Each module is designed to utilize an optional drive by float lid for visual water level inspection. The modules are manufactured from polyethylene that is UV stabilized. Orange and white barrier modules were the as tested colors, and the product may be produced in other colors as needed. Adjoining modules can rotate up to 15 degrees at the connection point, allowing the barrier wall to contour to varying road curvature. Individual modules have overall dimensions of 75.6 in (1.9 m) long, pin to pin X 22.5 in (0.57 m) wide X 45.8 in (1.2 m) tall. Each module is designed with 11 connecting knuckles, 5 on one end, and 6 on the opposite end. Within the top four knuckles on each end is series of four permanently molded in corrosion resistant steel cables. The cables run longitudinally along each module and create an internal cable barrier. When the modules are installed together, the knuckles concentric vertical through holes align with adjacent modules knuckles concentric vertical through holes. This hole alignment allows for a steel pin to be inserted through all eleven knuckles creating a positive connection between modules, and a continuous internal cable barrier within the connected modules. Upon impact the plastic modules rupture, dispersing the contained water, simultaneously the impacting vehicle engages and tightens the internal molded-in cable barrier.

CONTACT INFORMATION

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Sentry II Water Cable Barrier

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