

**Advanced highest security,  
high duty cycle counter-terrorist protection!**



**Shallow foundation  
barricade exceeds**

**Department of State/  
Department of Defense requirements.**

Set in a foundation only 18 inches (46 cm) deep, the Delta DSC 501 barricade stops a 15,000 pound (66.7 kN) truck moving at 50 mph (80 kph) with zero penetration...and is fully operational after extracting the truck. *(Crash test February 23, 2001—post-crash, ran 27,000 cycles with no wear!)*

**K12/L3 certification meets  
government's highest levels!**



# Advanced Counter Terrorist Barrier System for sub-surface conditions that negate extensive excavations

Able to survive and operate after a 1.2 million foot pound impact, the Delta DSC 501 bears the K12/L3 certification widely employed by federal buildings, military bases and embassies. With its shallow foundation and aesthetic design, it is a major breakthrough in high duty cycle, anti-terrorist barricades. Whether installing barricades within an urban infrastructure or quickly implementing counter-terrorist measures on a remote military base, it provides security professionals with a system that reduces installation complexity, time, materials and corresponding costs.

Front face warning lights warn drivers that the barricade is in the "up" position. There is also an open area on the front for signage. Diagonal yellow and white stripes are standard and optional colors and graphics are available. The open channel construction even allows you to specify hot dip galvanizing.

The DSC 501 is operated with Delta control panels, vehicle detectors and identification systems, remote-hard line, card readers, keypads, radio controls, local guards or a combination.



Standard



Color Options



Galvanized Version

## Highest level of barricade protection

### Easy operation... Safety loop detection

In the lowered position, the DSC 501's barrier ramp is completely flush with the roadway. Buttresses, counterweights and road plates do not obstruct authorized pedestrian or vehicular traffic.

The DSC 501 is raised and lowered to and from the guard position via hydraulic cylinders driven by Delta's patent-pending hydraulic power unit. This unit can be configured to operate one or more DSC 501s and provide pass-through rates of 3 to 15 seconds, suitable for most inspection and identification station requirements. However, when danger is imminent, the barricade rises in less than 2 seconds!

A vehicle detector safety loop is available to prevent accidental raises under authorized vehicles. It will delay a barricade rise signal—except for an Emergency Fast Operation command—when a vehicle is over the loop.



Certified by	Certification Level	Gross Vehicle Weight	Crash Speed
<i>Fully Operational after Successful Vehicle Stop</i>			
U.S. Department of State/ U.S. Department of Defense	K12, L3	15,000 lbs. (66.7 kN)	50 mph (80 kph)
<i>Capable of Stopping and Destroying a Vehicle</i>			
		20,000 lbs. (88.9 kN)	70 mph (113 kph)
		13,200 lbs. (58.7 kN)	85 mph (137 kph)

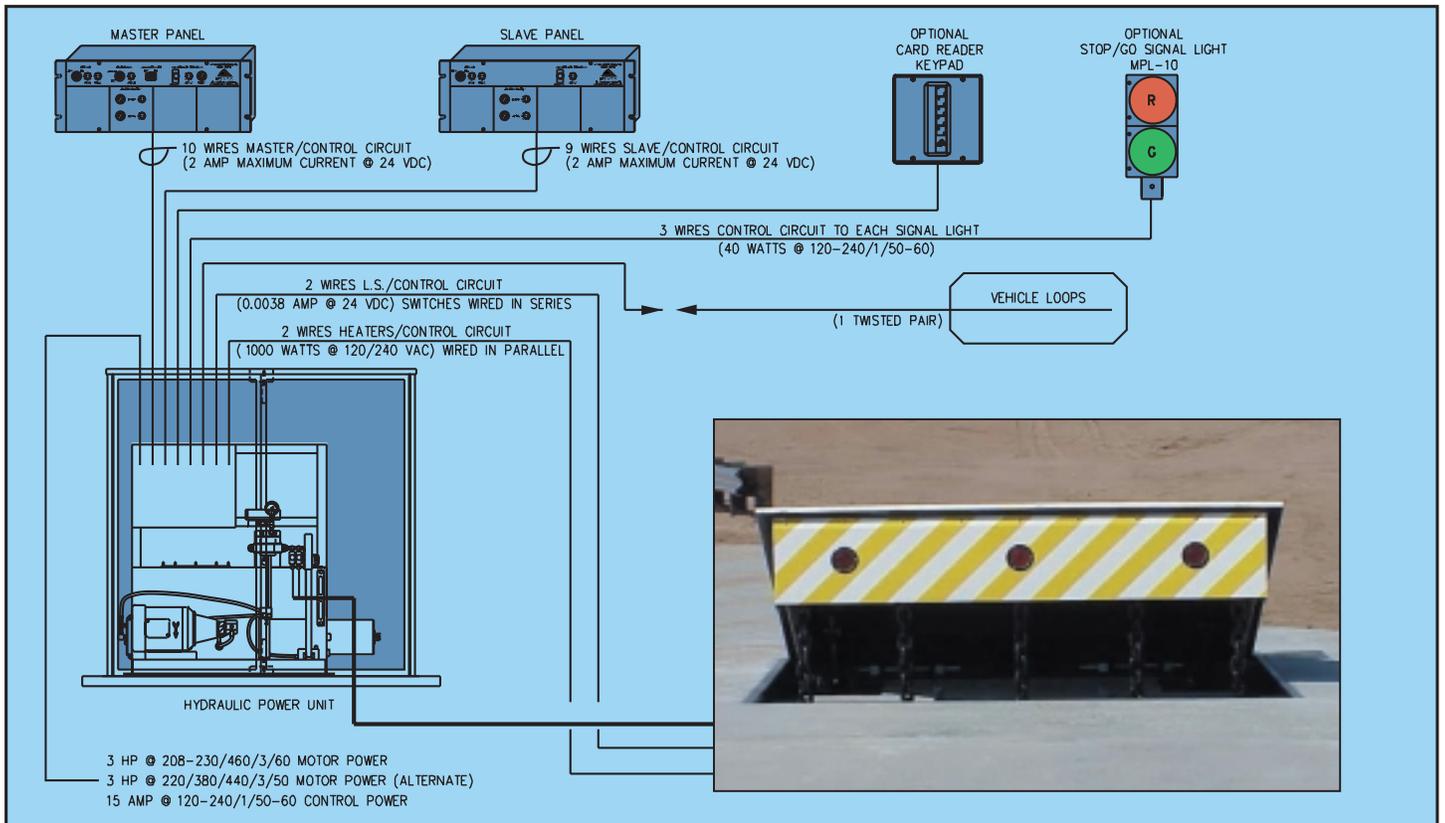
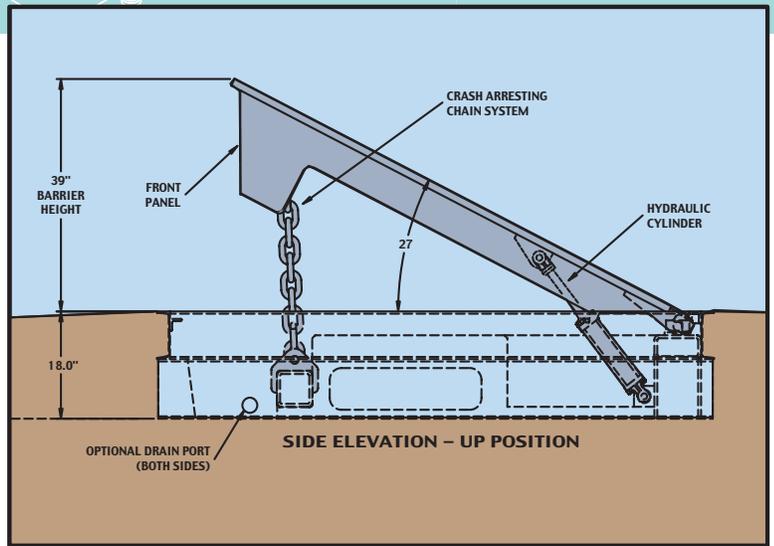
Foundation Depth	Barricade Height	Barricade Length	Barricade Weight
18 inches/457 mm	39 inches/1 M Standard:	108 inches/2.75 M	5400 lbs. (2470 Kg.)
		Maximum: 240 inches/6.1 M	11,500 lbs. (5200 Kg.)
		Minimum: 60 inches/1.52 M	3500 lbs. (1580 Kg.)

# Why are Delta barricades the de facto solution?

It's a fact that over 3,000 sites worldwide are protected by Delta systems. These include state and federal capitol buildings, parliament buildings, U.S. embassies, nuclear plants, banks, manufacturing facilities, military bases, courthouses, private companies, major airports, car and rental lots, logistics centers, palaces, private residences and many more. For over 25 years, Delta systems have been protecting some of the most important people and facilities in the world. Since 1974, Delta has been producing products and

## Quality!

systems that promote safety and security for people and property. Our staff is knowledgeable and experienced. Delta has been the leader in using Finite Element Analysis to study vehicle collisions with fixed and moveable barriers. With our database of full-scale test results, we have superb computer models that enable us to test new designs at our desktops. We're able to analyze unique situations and design products that will meet your special needs.





To obtain K12/L3 certification, Delta's DSC 501 high security, high cycle shallow foundation barricade was tested to rigorous standards by an independent test laboratory. Full-scale crash tests, using heavily-loaded trucks, were conducted.

Not only did the barricade stop and destroy the test truck. After extracting the truck, the barricade was fully functional and performed a resounding 27,000 cycles with no wear!



Delta Scientific Corporation is the world's leading manufacturer of vehicle access control equipment with three modern production facilities. Our three principal product lines are high-security vehicle barricade systems, parking control

equipment and ballistic-rated guard post booths. Delta has been engineering and manufacturing vehicle access control equipment since 1974 and provides security solutions to customers worldwide.

Contact us today.

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