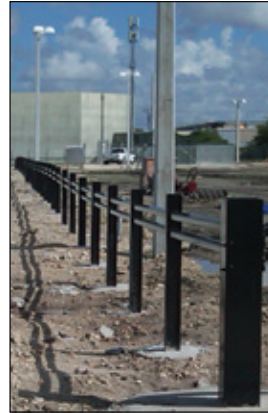


1-888-333-3422
FAX: 1-877-926-3747

STALWART

ANTI-RAM BARRIER (POST & RAIL)



THE SIMPLEST BARRIER SOLUTION

The Stalwart anti-ram barrier is a standalone crash barrier. The post and rail system is the most economical passive perimeter barrier system available on the market. The Stalwart standalone design when installed adjacent to an existing perimeter fence, transforms the perimeter into a secure anti-crash perimeter system.

SUBTLE

The Stalwart system is the perfect solution when requiring a vehicle barrier that encourages pedestrian movement. The Post & Rail design can easily be concealed by vegetation or positioned adjacent to an existing perimeter fence.

PROTECTION

Stalwart is available in a variety of anti-ram design options. Its multiple anti-ram designations allow the user to find a barrier that matches project requirements for stand-off.

INTEGRATED

The Stalwart fence framework provides a platform to incorporate various security peripherals required on high security perimeter designs.



We take great pride manufacturing "Made in the USA" products. Ameristar is located in Tulsa, Oklahoma and is American owned and operated.

Applications:

- Government Facilities
- State Facilities
- Military Sites
- Petroleum & Chemical Facilities
- Stadiums & Event Centers
- Schools & Universities
- Hospitals
- Parks & Recreation

Covered by or for use with one or more of the following U.S. patents: 6,874,767, 7,188,826, 7,651,073, 7,441,751, 7,461,833, 7,475,868, D566292, D572374, D573270



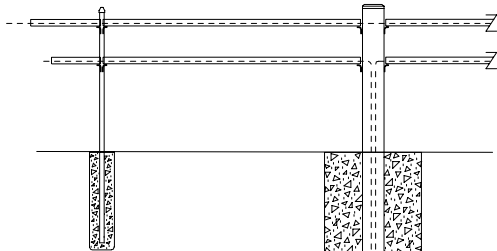
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STALWART

ANTI-RAM BARRIER (POST & RAIL)

DESIGN

The stand-alone post & rail design of the Stalwart system is the simplest anti-ram design on the market. Stalwart can easily be installed in front of or behind an existing fence, or provide vehicular anti-ram protection to guard any at-risk facility or asset.



The Stalwart system was designed to conceal its anti-ram components and provide cable support preventing cable stretch that occurs with non-supported cables. The Stalwart framework is manufactured of high-tensile steel and is pre-galvanized inside and out for superior corrosion protection.



COATING & WARRANTY

Stalwart is coated using Ameristar's PermaCoat process; this dual-coat finish yields the best results for durability and weathering in the fence industry. Ameristar has over 25 years of experience in coatings, granting Stalwart systems a 15 year warranty.



Stalwart is produced using up to 96% post-industrial recycled steel.

SECURITY PLATFORM

Stalwart framework is a raceway for wiring, conduits, and/or security cabling required around the perimeter of a project. This integrated design eliminates the need for costly trenching and boring becoming a value added solution for perimeter security upgrades.

Stalwart framework is a platform for security components:



Communication & Video cables
IDS / Fiber Optic Cables
Access Control Wiring
Conduits
Anti-ram Cabling

RATINGS

Stalwart anti-ram rating designations

- M50 (K12)
- M40 (K8)
- M30 (K4)
- PU60
- PU50

DESIGNATIONS

Stalwart has multiple anti-ram ratings engineered and tested to ASTM F2656 standards. Ameristar offers several rating options so that each site can be designed for the appropriate stand-off distance from the asset.



AMERISTAR FENCE PRODUCTS
1555 N. MINGO RD.
TULSA, OK 74116



AMERISTAR®
FENCE PRODUCTS

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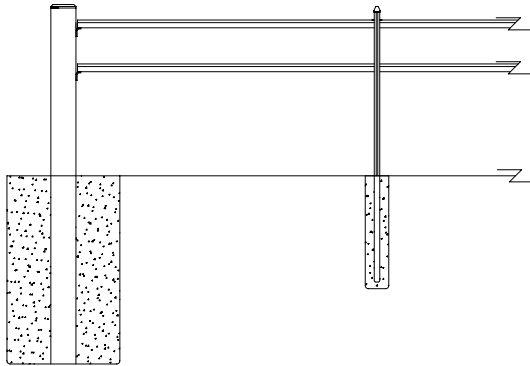
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STALWART®

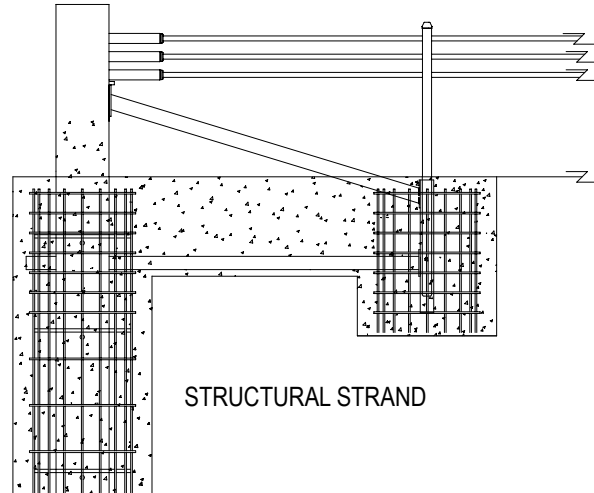


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POST & RAIL CABLE BARRIER SYSTEMS



WIRE ROPE



STRUCTURAL STRAND

STALWART POST & RAIL

SYSTEM DRAWING NUMBER	ANTI-RAM DESIGNATION	DYNAMIC PENETRATION
SPR-M501-SS	M50 / P1 Tested ASTM F2656	3.1 Ft.
SPR-M402-SS	M40 / P2 Tested ASTM F2656	4.5 Ft.
SPR-M301-SS	M30 / P1 Tested ASTM F2656	.04 Ft.
SPR-M302-WR	M30 / P2 Engineered (Equivalent to K4)	N/A
SPR-P602-WR	PU60 / P2 Engineered	N/A
SPR-P502-WR	PU50 / P2 Engineered	N/A
SPR-K8DOD-WR	K8	0 Ft.*
SPR-K12DOD-WR	K12	6.6 Ft.

Note: *Dynamic penetration was not a measurable factor considered during the time of the test. Dynamic penetration is a calculation based on test results.

M50 = 15,000lbs Vehicle @ 50 MPH | M40 = 15,000lbs Vehicle @ 40 MPH | M30 = 15,000lbs Vehicle @ 30 MPH | PU60 = 5,070lbs Vehicle @ 60 MPH
PU50 = 5,070lbs Vehicle @ 50 MPH | K12 = 15,000lbs Vehicle @ 50 MPH | K8 = 15,000lbs Vehicle @ 40 MPH | K4 = 15,000lbs Vehicle @ 30 MPH
P1 = < 3.3', P2 = 3.31' to 23.0', P3 = 23.1' to 98.4', DOD = Items tested prior to ASTM standard being in affect / recognized by DOD-USACE

SYSTEM NOMENCLATURE

PRODUCT FAMILY
(S=STALWART)

PRODUCT LINE
(PR=Post & Rail)

ANTI-RAM CLASSIFICATION
(M50, M40, M30, P60, P50, K12, K8)

ANTI-RAM PENETRATION
(1=P1, 2=P2, 3=P3, DOD=SEE ABOVE)

TYPE OF CABLE
(SS=STRUCTURAL STRAND, WR=WIRE ROPE)

Effective: 01/01/13