



ARCHITECTURAL DESIGN SPECIFICATIONS BANSHEE - CRASH RATED SWING GATE

The Banshee Crash Gate features include:

- Easily opens in both directions
- Ties in seamlessly with a variety of post & cable passive barrier systems and other fence reinforcements
- Quick and easy installation
- Available with anti-personnel fence panels with custom infill options
- Available in 12ft to 30ft single gate widths
- Available in 15ft to 40ft double gate widths (2 gate leafs with center latch)
- A gate operator may be added for automatic operation.

PART I – General

1.1 SECTION INCLUDES

- A. This section covers the furnishing and installation of a Banshee Engineered Rated Swing Gate Vehicle Barrier system. Provide complete system that has been fabricated and tested for proper operation at the factory.
- B. All tube steel conforms to ASTM A500-10A. All round, plate and shaped steel to ASTM A36. All welds conform to AWS ASTM D1.1, D1.3 for sheet metal.
- C. Manual Gate System includes; barrier gate section, gate frame, hinge stanchion, latch stanchions.
- D. Design and materials are identical as those used in engineering calculations of the Banshee to ASTM F2656-07 M30/P2 standard (Comparable to DOS K-4).

1.2 RELATED SECTIONS

- A. Section 03 11 00 Concrete Forming
- B. Section 03 20 00 Concrete Reinforcing
- C. Section 28 05 28.33 – Conduits and Backboxes for Electronic Safety and Security



1.3 ENGINEERED RATING, TESTING AND QUALITY ASSURANCE

- A. The Banshee vehicle barrier model is ASTM F2656-07 M30/P2 engineered, (comparable to Department of State (DOS) K4 as per publication SDSTD02.01, Revision A, dated March 2003) for Vehicle Crash Testing of Perimeter Barriers and Gates, in which the impact conditions are:
- Crash rating ASTM M30/P2
 - Vehicle Weight 15,000 pounds
 - Impact Speed 30 MPH

Note: The Banshee vehicle barrier system must be installed per manufacturer's specifications and design. Failure to comply with all installation requirements will void the Crash Rating and the Warranty.

1.4 SUBMITTALS

- A. Submit generic drawings of standard product and finish samples if required.
- B. Indicate pertinent dimensions, general construction, component connections and location, anchorage methods and location, hardware, and installation details.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver material to job site in manufacturer's packaging undamaged, compete with installation instructions.
- B. Store off ground, under cover, protected from weather and construction activities.

1.6 PROJECT/SITE CONDITIONS

- A. Install Banshee Engineered Rated Swing Gate Vehicle Barrier including excavation, trenching and concrete foundation pads as per manufacturer's printed instructions. Installer/owner to supply required permits/inspections.

1.7 WARRANTY

Perimeter Security Partners warranties its products against defects in material and workmanship for a period of one year from date of shipment. This warranty excludes normal wear on finishes or damage that occurs due to impact, abuse, misuse or acts of God.



PART II – Products

2.1 MANUFACTURER

Banshee Engineered Rated Swing Gate vehicle barrier as manufactured by:



Perimeter Security Partners, LLC
5038 Thoroughbred Lane, Brentwood, TN
Ph 615.953.8872

www.PerimeterSecurityPartners.com
[email: sales@perimetersecuritypartners.com](mailto:sales@perimetersecuritypartners.com)
wes@perimetersecuritypartners.com

2.2 CONSTRUCTION

- A. The Hinge Stanchion assembly includes internal bushings/bearings and hardened steel pins, allowing the gate to open 0 degrees up to 90 degrees when in fully open position.
- B. Receiver Stanchion: Receiver stanchion in conjunction with the locking pin provide the M30 stopping ability of the gate as well as prevent unauthorized operation of the unit is unattended.
- C. Concrete: Above ground concrete/forming for stanchions is not permitted allowing for stanchion placement to be close to adjacent objects, walls etc.
- D. Gate Frame is constructed of a steel frame structure capable of being opened and closed in a swinging motion and presents a formidable obstruction to any approaching vehicles and prevent intruder ingress.

2.3 EQUIPMENT

- A. Cycles (OPEN/CLOSE);
 - i. Manual: Frequent, with proper greasing of pivot points

2.4 FINISHES

- A. Banshee Swing Gate is delivered with hot dip galvanized finish(stanchions/frame).



2.5 AVAILABLE OPTIONS

- Custom pickets or means to mount pickets by others.
- Custom paint systems and colors available.
- Zinc-arc Galvanization Finish
- Automatic Opening with Actuator (mounted to hinge stanchion and latch stanchion).

PART III – EXECUTION

3.1 INSTALLATION

- A. Inspection: Installer must examine the location and advise the Contractor/Owner of any site conditions unacceptable for proper installation of product. These conditions include but are not limited to the following:
 - 1. Existing underground utilities or unforeseen issues.
 - 2. Removal of pavers, stones, road surfaces or landscaping.
- B. Stanchion Installation: The hinge and receiver stanchion are cast in a concrete foundation below grade. Concrete may be pre-fix formed according to manufacturer's specifications.
- C. Erection: Install Banshee Swing gate unit in accordance with manufacturer's printed instructions. Set units' level and plumb and in line with adjacent structures or roadway. Anchor securely into place. Use installers with experience in the installation of vehicle barriers. For a list of qualified installers, please contact PSP sales department.
- D. Adjustment: Installer shall adjust swing gate and hardware smooth operation and proper performance.
- E. Maintenance: Follow maintenance procedures as outlined in the Instruction and Operation Maintenance Manual.
- F. Cleaning: Clean surfaces carefully after installation to remove excess concrete, caulk, dirt and labels.