



#### 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, complete with installation instructions.
- B. Store off ground, under cover, protected from weather and construction activities.

#### 1.6 PROJECT/SITE CONDITIONS

- A. Install 6DWU&Crash Rated Beam 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

3HULPHWHU 6HFXULW\3DUWQHUV 363 products against defects in material and workmanship for a period of one and one half (1½) years from date of shipment. This warranty excludes normal wear on finishes or damage that occurs due to impact, abuse, misuse or acts of God.

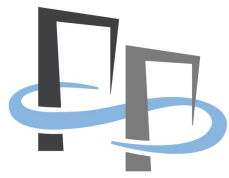
### PART II – Products

#### 2.1 MANUFACTURER

6DWU&Crash Rated Beam vehicle barrier as manufactured by;



m c  
o o w o o  
Ph 6 5. 53.88 2 Fax 6 5. 68.63  
www.PerimeterSecurityPartners.com



## 2.2 CONSTRUCTION

- A. Butresses (stanchions): The hinge and receiver butresses are manufactured of steel components and welded steel elements. The hinge and receiver butress assemblies are finish painted black.
- B. Hinge Butress The hinge butress assembly includes internal bearings and stainless steel axle allowing the beam arc from 0 degrees up to 83 degrees (+/- 2 degrees) when in fully open position. A cushioning device is included to reduce beam oscillation. Covers are included to conceal operating system and prevent debris, ice or snow accumulation.
- C. Receiver Butress: Receiver butress is designed to guide the beam into place when lowered and retain the beam during vehicle impact. The receiver butress includes a locking pin to prevent unauthorized operation of the unit when unattended.
- D. Concrete: Above ground concrete/forming for butresses/stanchions is not permitted allowing for stanchion placement to be close to adjacent objects, walls etc.
- E. Beam: Beam is constructed of a fabricated rectangular aluminum beam. The beam is finished with white paint and reflective red and white safety tape to increase visibility. Reinforcement provided by custom nylon straps installed in the beam and anchored with stainless steel rods.
- F. No power unit or Hydraulic controller is supplied as this unit is counterweighted and is for manual (non-motorized) usage.
- G. Hinge butress/beam arm incorporates a locking device to hold the beam arm in the “open” or “up” position for extended periods of time.

## 2.3 EQUIPMENT

- A. Barrier Operation: Up and down operation is via manually moving the arm to elevate the arm (create a clear passage for vehicle traffic) or move the arm into the lowered position fitting into the receiver butress (closed or secure, forbidding passage of vehicles). The beam is not to be allowed to slam down to the closed position as damage may occur and the warranty may be void.

## 2.4 FINISHES

- A. Satyr-12CW is delivered painted black (butresses) with the beam finished with white paint and reflective red and white safety tape to increase visibility.
- B. Zinc primer to conform to SSPC Paint Specification #20 and SSPC-LO for zinc rich primers. Zinc dust is to meet ASTM D520, Type II.
- C. Intermediate primer must meet or exceed SSPC #36 level 3. Finish Paint to meet or exceed SSPC paint #22.
- D. Zinc-arc Galvanization OPTIONAL

## **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. Buttress Installation: The hinge and receiver buttress are cast in a concrete foundation below grade.
- C. Erection: Install Satyr-12CW unit in accordance with manufacturer's printed instructions. Set units' level and plumb and in line with adjacent structures or roadway.
- D. 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.
- E. Adjustment: Installer shall adjust beam arm and hardware for smooth operation and proper performance.
- F. Maintenance: Follow maintenance procedures as outlined in the Instruction and Operation Maintenance Manual.
- G. Cleaning: Clean surfaces carefully after installation to remove excess concrete, caulk, dirt and labels.