



## **PLANTER-40 CRASH BARRIER (REMOVABLE)**

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### **PART 1 - GENERAL**

#### **1.01 SECTION INCLUDES:**

- A.** The work in this section shall include furnishing all labor, materials, equipment and appliances necessary to complete installation of BSI PAS68:2010 tested crash barriers required for this project in strict accordance with this specification section and drawings.

#### **1.02 REFERENCES:**

- A.** BSI PAS68:2010: Performance requirement, vehicle impact test method and performance rating.

#### **1.03 SUBMITTAL:**

##### **A. Product Data:**

1. Provide manufacturer's catalog cuts with printed specifications and installation instructions.
2. Furnish detailed description of system.
3. U.S. patent applies.

#### **1.04 CRASH TESTED BARRIER MANUFACTURER:**

- A.** The Planter-40 crash barrier shall be manufactured by SafetyFlex Anti Terrorist Barriers and distributed by Tymetal Corp., 678 Wilbur Avenue, Greenwich, NY 12834 – (800) 328 – 4283.
- B.** Approved substitution – All other crash tested barrier systems must be submitted to the design team in accordance with substitution requirements as set forth in the general provisions of the project manual for approval prior to the bid date. Products submitted after the bid date will not be approved.
- C.** Store Planter 40 on building site, under cover, on wood sills or floors, and in a manner that prevents rust or damage. Ventilate canvas or plastic covers to prevent moisture traps.

#### **1.05 SYSTEM LAYOUT/DIMENSIONS:**

- A.** Per detailed drawing.

#### **1.06 SYSTEM FUNCTION AND CRASH RATING:**

- A.** The Planter-40 crash barrier has been designed for hostile vehicle mitigation. It can provide perimeter security for airports, oil and gas infrastructure, military sites or any other facility requiring crash rated perimeter security.
- B.** The Planter-40 crash barrier has been tested to the requirements of BSI PAS68:2010 Vehicle Impact Test Method and Performance Rating.
  1. Vehicle weight: 16534 lbs. (7500 KG).

2. Vehicle speed: 40 mph (64kph)
3. Vehicle angle: 90
4. Vehicle penetration: 9' - 2" (2.8 m)
5. Footing thickness: 8 inches (203 mm)

#### **1.07 VEHICLE BARRIER:**

##### **A. Components:**

1. Slipper boxes with locking bolts and impact plate.
2. Lock-bolted front and rear impact bars.
3. Rebar
4. Front and rear posts.
5. 316L Grade Stainless Steel Planter Cover
6. Slipper Box Extensions
7. Ground Cover Lid Kit and associated hardware

### **PART 2 - EXECUTION**

#### **2.01 SITE INSPECTION:**

- A.** Final grades and installation conditions shall be examined. Installation shall not begin until all unsatisfactory conditions are corrected.

#### **2.02 INSTALLATION:**

- A.** Equipment in this section shall be installed in strict accordance with the company's printed instructions unless otherwise shown on the contract drawings.

**NOTE: Tymetal Corp. reserves the right to modify and/or make changes as deemed necessary without previous notice.**