

**ARCHITECTURAL SPECIFICATION**  
**DSB Bollard**

**SECTION 10 26 00 – Wall and Door Protection**  
**SECTION 10 26 13 – Corner Guards**  
**SECTION 12 93 00 – Site Furnishings**  
**SECTION 34 71 16 – Impact Attenuating Devices**

**PART I – GENERAL**

**1.01 SECTION INCLUDES**

- A. This section covers the furnishing and installation of DSB bollard.
- B. For further information, contact Alvarado at +1 909.591.8431 or email [information@alvaradomfg.com](mailto:information@alvaradomfg.com).

**1.02 QUALITY ASSURANCE**

- A. Manufacturer shall be a company specializing in the supply of asset protection products with a minimum of 10 years' experience.
- B. Installer shall have a minimum of three years of experience installing similar equipment or shall supply a factory-trained supervisor during installation of the DSB bollard.

**1.03 SUBMITTALS**

- A. Submit manufacturer's descriptive literature for specified equipment, including options.
- B. Provide dimensional layout and installation instructions.
- C. Provide shop drawings, if required.

**1.04 DELIVERY, STORAGE AND HANDLING**

- A. Deliver materials to job site in manufacturer's packaging undamaged, complete with installation instructions.
- B. Store off-ground, under cover, protected from weather, construction activities and debris.
- C. Use forklift, pallet jack or equivalent equipment for moving.

**1.05 PROJECT/SITE CONDITIONS**

Install the DSB bollard on a level floor.

**1.06 WARRANTY**

Alvarado Manufacturing Co., Inc. warrants the DSB bollard from defects in material or workmanship, for a period of ONE YEAR from date of shipment. Complete details of the warranty are available from Alvarado by request.

**PART II – PRODUCTS**

**2.01 MANUFACTURER**

Alvarado Mfg. Co., Inc. 12660 Colony Street, Chino, CA 91710.

**2.02 PRODUCT**

The DSB bollard, no substitutions.

**2.03 CONSTRUCTION**

- A. Bollards: 11-gauge steel tubing, 14-gauge steel domed cap, power coated in glossy black, safety yellow or white. Available heights of 32".
- B. Base Cover (optional): 0.40" thick cast iron, powder coated in glossy black, safety yellow or white.

## **2.04 EQUIPMENT**

- A. General: The DSB surface-mounted bollard is designed to provide fixed case and fixture protection.
- B. Height: DSB bollard heights include 32".

## **2.05 FINISHES**

- A. Power Coated: The DSB bollard is powder coated in black, safety yellow or white.

## **2.06 OPTIONS**

*(NOTE TO SPECIFIER: Select the options desired)*

- A. Base Cover: Covers the base flange for a finished look. The high-dome base cover dimensions are 8.75" OD x 3.75". Base cover made from 0.40" thick cast iron and powder coated in either a glossy black, safety yellow, or white finish.

## **2.07 FACTORY TESTING**

- A. Product shall be fully tested at the factory to ensure proper functionality.
- B. Inspect product finish. Touch up prior to shipment.

## **PART III – EXECUTION**

### **3.01 SITE EXAMINATION**

- A. Inspection: Installer must examine the installation location and advise the contractor of any site conditions inconsistent with proper installation of the product. Installation shall not begin until unacceptable conditions are rectified. These conditions include but are not limited to the following:
  - 1. Product must be installed on level concrete.
- B. Installation: The installer should perform the installation, in consultation with the owner or end user, following the practices and installation guidelines that come with the product.
- C. Cleaning: Clean metal surfaces carefully after installation to remove excess dirt and labels.

**Note: This specification includes recommended options. Alvarado Mfg. Co., Inc. reserves the right to change this specification at any time without notice.**