

## **SECTION 32 39 13 – MANUFACTURED METAL BOLLARDS**

### **PART 1: GENERAL**

#### 1.1 SUMMARY

A. Section Includes

1. Steel Bollards

#### 1.2 SUBMITTALS

A. General Requirements: Refer to Division 1

#### 1.3 QUALITY ASSURANCE

A. Manufacturer Qualifications: Minimum 5 years of experience manufacturing similar products.

B. Installer Qualifications: Minimum 2 years of experience installing similar products.

#### 1.4 STORAGE AND HANDLING

A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.

B. Handling: Handle materials to avoid damage.

#### 1.5 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

### **PART 2: PRODUCTS**

#### 2.1 SPECIFICATIONS

A. 1-800-Bollards 4" Padlock Removable Carbon Steel Bollard.

1. Material PCS04040 SCh 40 ASTM A-53 Carbon Steel
2. Dome Cap
3. RAL#: 2008
4. Diameter: 4.5"
5. Height: 42"
6. Embed Depth: 12"

B. 1-800-Bollards 4" Embedment Sleeve 12" Depth

1. Embed Sleeve Diameter 8.75" when closed.

C. Substitutions: Requests for substitutions will be considered in accordance with provisions of Section 01 31 00 Project Administration Part 2: Products.

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**PART 3: EXECUTION**

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. Before proceeding with work, notify the Owner's Designated Representative in writing of unsuitable conditions and conflicts.

3.2 INSTALLATION

- A. Comply with manufacturer's recommendations for installation.

END OF SECTION