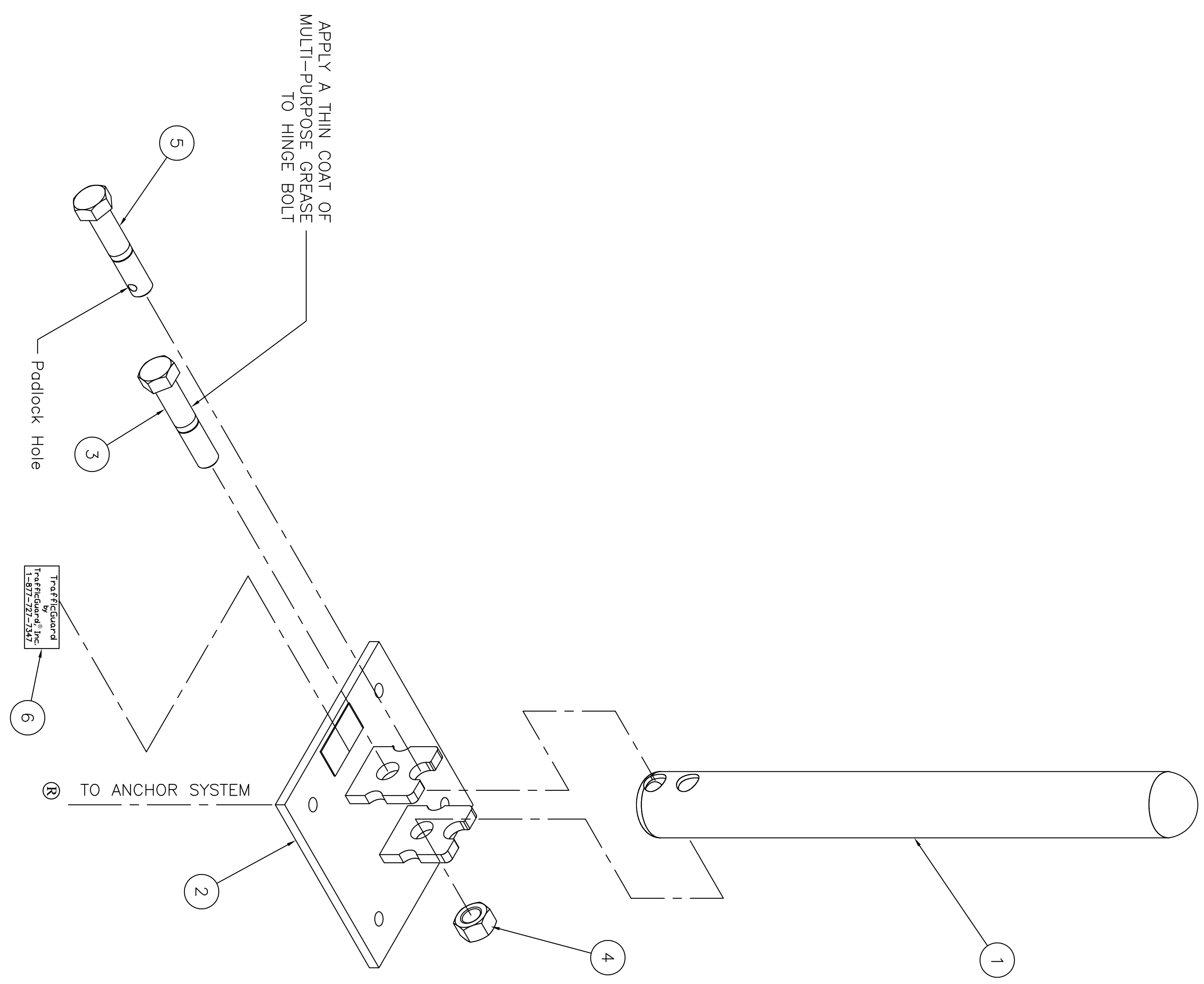


INSTALLATION INSTRUCTIONS FOR:
HINGED ROUND POST BOLLARD

1. Verify that all Hinged Round Post Bollard parts are in the shipment package as shown on the "Bill of Material".
 2. Provide Hinged Hinged Round Bollard Anchor System (see included Anchor System Drawing-3BAS) of your choice at a location to suit your specific needs.
 3. Install HRP Base (Item 2) true and level on your selected Anchor System using the flat washers and hex nuts included in your Anchor System Kit. Use S.S. shims to level if needed. Torque hex nuts to Minimum 30 ft-lbs for CPAS10 Anchor System. Torque hex nuts for other Anchor Systems to Manufacturers Specification.
 5. Install HRP Post (Item 1) to HRP Base (Item 2) using Hinge Bolt (Item 3) and Hex Nut (Item 4) as shown. Tack Weld Hex Nut to Hinge Bolt or Chisel Hinge Bolt Threads such that Hex Nut cannot be easily removed.
 6. Install HRP Locking Pin (Item 5) thru UP Position Bollard Post, and install Padlock at padlock hole.
 7. Install the Label at the location shown.
 8. Check the functional operation of the Hinged Bollard Post.
- * Note: S.S. shims, tools, grease, and padlock are not provided.

BILL OF MATERIAL

ITEM #	PART #	DESCRIPTION	QTY.
1	HRPF1	HRPF1	1
2	HRPF2	HRP BASE - WELDMENT	1
3	0019	1-8 UNC-2AX5" HINGE BOLT SS 18-8	1
4	0020	1-8 UNC-2B HEX NUT - SS 316	1
5	4004	HRP LOCKING PIN	1
6	0105	LABEL	1



General Specifications and Notes for all Parts and Weldments

1. All Steel Work shall conform to the AISC "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings" - Latest Edition unless noted on the drawing.
2. All Welding shall be performed by qualified welders and shall conform to the American Welding Society ANSI/AWS D1.1- Latest Edition of the Structural Welding Code - Steel
3. All Material shall be new and shall be as noted on the drawing and/or in the Bill of Material. SS indicates Stainless Steel and HDC indicates Hot Dip Galvanized.
4. All Painting Work shall conform to the manufacturer's specification and installation instructions and the SSPC (Steel Structures Painting Council) and as noted on the drawing.
5. All hole center dimensions shall have a tolerance of 1/16 inch± and other dimensions shall have a tolerance of 1/8 inch± unless noted on the drawing.
6. All work shall be packaged and shipped per specific instructions by Traffic Guard Direct.

HINGED ROUND POST BOLLARD		THIRD ANGLE PROJECTION		TrafficGuard, Inc.	
ASSEMBLY DRAWING		Do not scale from drawing		P.O. Box 201, Geneva, IL, 60134 Bus: 877-727-7347 Fax: 800-814-7194	
CONSULTING ENGINEER: ZE Job # 04-119		Action by		Weldment Shipping Weight	
ZABEL ENGINEERING		Design WKZ		35.50 Pounds	
CONSULTING ENGINEERS		Drawn CID		Drawing Number:	
203 South Rosedale Av., Aurora, IL 60506		Checked WKZ		HRPA2-1	
Bus: 630-892-0698 Fax: 630-892-1097		Scale: 1 = 4		Drawing Date: 8-4-2002	
Rev. 1 by WKZ Date 9-13-04 TORQUE		Description		Sheet: 2 of 2	