Bollard, Model R-1009-12-R -72"[1829] 36" 914 CONCRETE IN BOLLARD 48" 1219 REMOVABLE BOLLARD INSTALLED 24" 610 IN BOLLARD SLEEVE _4000 PSI (MIN.) CONCRETE FOUNDATION **IMPACT** DIRECTION Ø 10 3/4"[273] IMPACT DIRECTION BOTTOM SLEEVE CAP WELDED WITH HOLE FOR DRAINAGE 39 1/2" 1003 **BOLLARD SLEEVE WITH CAP** FLUSH MOUNTED BOTTOM CAP WELDED TO RETAIN REBAR AND CONCRETE 71 3/4" [1822] 32 1/4" 819 36" 914 CONCRETE DEPTH 3 3/4"[95] — * IF LOCAL FROST LINE EXCEEDS 36" DEEP, PROVIDE ADEQUATE DRAINAGE BY PIPING, **SECTION A-A** MASONRY BLOCKS OR CHAIRS WITH A DRAINAGE HOLE CONNECT TO DRAIN ROCK LAYER UNDERNEATH. Notes: DETAIL B Embedment details are for reference illustration only. Minimum foundation sizes



General Description:

The Patriot R-1009-12-R delivers unmatched stopping power in a removable deep-mount design. Engineered to meet ASTM F2656 M50 P1, it is capable of halting a 15,000 lb vehicle traveling at 50 mph when installed in a three-bollard array. Its removable configuration supports controlled site access without sacrificing certified crash protection. Manufactured in the USA, this bollard is built for defense-grade reliability and long-term durability.

Specifications:

Total Height: 71 3/4" [1822 mm]

Height Above Grade: 39 1/2" [1003 mm]

Height Below Grade: 32 1/4" [819 mm]

Body Size: 40" X 34" [1016mm X 864mm]

Bollard Diameter: 10 3/4" [273 mm]

Total Weight: 1256 lb [571 kg] (Bollard & Sleeve)

Material: Steel

For more information on bollard installation, please visit: https://www.reliance-foundry.com/bollard/vector-fixed-installation



Unit 207, 6450 - 148 Street, Surrey, BC V3S 7G7, Canada 1-877-789-3245 info@reliance-foundry.com www.reliance-foundry.com

TITLE:

Bollard R-1009-12-R

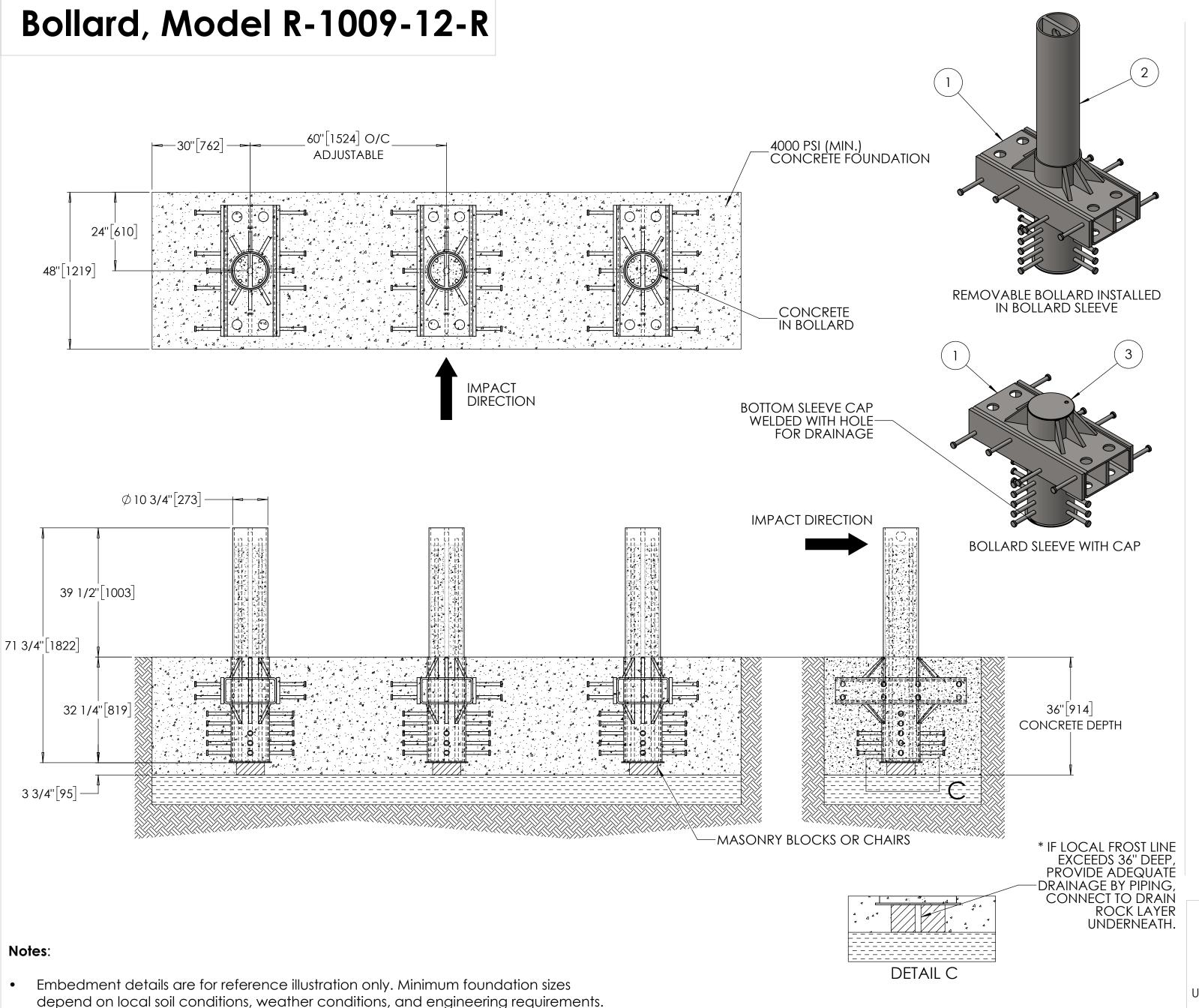
 NAME
 DATE
 SIZE
 DWG:
 2500125-01
 REV

 DRAWN
 JF
 2025-09-23
 C
 PART:
 ASM:
 2500125
 O2A

 REVIEWED
 MS
 2025-09-23
 SCALE:
 1:15
 SHEET 1 OF 2

- Embedment details are for reference illustration only. Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
- Bollard is provided as shown, with parts listed below. Concrete foundation and/or installation not provided by Reliance Foundry.
- This drawing is not drawn to scale. Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
- Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.

ed below. Concrete foundation and/ordry.		QTY	PART NUMBER	DESCRIPTION	MATERIAL	INDIVIDUAL WEIGHT (LB)	TIT
ons provided herein is for reference only. essionals if any dimension is critical to your	1	1	2500123	R-1009-12-R K12 Removable Sleeve	Steel	685	
	2	1	2500124	R-1009-12-R K12 Removable Bollard	Steel	571	
	3	1	1000169	R-1009-12-R Removable Cap	Steel	9	
nd design and specifications without prior	4	4	REBAR-68	#8 Rebar (60 ksi) - 1" OD X 68" Long (Included with Bollard)	Steel	15	DRAV
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Bollard R-1009-12-R

SIZE DWG: 2500125-01 REV C PART: 02A 2025-09-23 ASM: 2500125 MS 2025-09-23 SCALE: 1:22 SHEET 2 OF 2 REVIEWED

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	ITEM	QTY	PART NUMBER	DESCRIPTION	MATI	ERIAL	INDIVIDUAL WEIGHT (LB)	TIT	
	1	3	2500123	R-1009-12-R K12 Removable Sleeve	Ste	el	685		
	2	3	2500124	R-1009-12-R K12 Removable Bollard	Ste	eel	571		
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