Crash-rated Bollard, Model R-1010-S10-R 24 610 12 305 -Ø9[222] (2) 12 305 24 610 4000 PSI (MIN.) CONCRÈTE FOUNDATION IMPACT DIRECTION SET TOP EDGE OF RECEIVER APPROX. IMPACT DIRECTION 1/4" ABOVE GRADE, BUILD A BERM -AROUND THE EDGE TO REDUCE THE POSSIBILITY OF GROUND WATER GETTING INTO THE RECEIVER 32 813 36[914] **CONCRETE DEPTH** 0.25 6 65 1649 33 836 * IF LOCAL FROST LINE EXCEEDS 36" DEEP, PROVIDE ADEQUATE DRAINAGE BY PIPING, DETAIL A CONNECT TO DRAIN ROCK LAYER UNDERNEATH.

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-DRAIN ROCKS



General Description:

The Vector \$10 Removable Bollard combines crash-rated protection with adaptability. Certified to ASTM F3016-19 \$10 standards, this bollard offers reliable defense against low-speed vehicle impacts while allowing temporary removal for flexible access. Its distinctive form and curved profile enhance strength, while the rebar-free installation simplifies setup and reduces costs.

Specifications:

Total Height: 69" [1753 mm]

Height Above Grade: 32" [813 mm]

Height Below Grade: 33" [840 mm]

Weight: 150 lbs [68 kg]

Material: Steel

Finish: Hot-dip Galvanized

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



NOTES:

3 [76]

- 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.

[3[76] MASONRY BLOCKS OR CHAIRS WITH A DRAINAGE HOLE

 RELIANCE FOUNDRY RESERVES THE RIGHT TO AMEND DESIGN AND SPECIFICATIONS WITHOUT PRIOR NOTICE FOR PRODUCT IMPROVEMENT. TOOL REQUIRED: T45 TORX KEY

QTY. PART NUMBER DESCRIPTION MATERIAL INDIVIDUAL
WEIGHT

PROVIDED BY RELIANCE FOUNDRY.	ITEM	QTY.	PART NUMBER	DESCRIPTION	MATERIAL	INDIVIDUAL WEIGHT	TI
IMENSIONS PROVIDED HEREIN IS FOR CE FOUNDRY SALES PROFESSIONALS	1	1	250-0022	S10 RECEIVER ASSEMBLY	STEEL	34 LB] ;
	2	1	250-0023	S10 REMOVABLE BOLLARD ASSEMBLY	STEEL	116 LB	
RTICULAR INSTALLATION.	3	1	100-0063	BOLLARD FLANGE CONDUIT WASHER	PLASTIC	-	
D AMEND DESIGN AND	4	2	150-0008	TORX CSK SCREW - M10 - 50	STAINLESS STEEL	_	
OR PRODUCT IMPROVEMENT.	5	1	100-0061	S10 RECEIVER COVER (OPTIONAL)	STEEL	-	DRA
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RELIANCE FOUNDRY

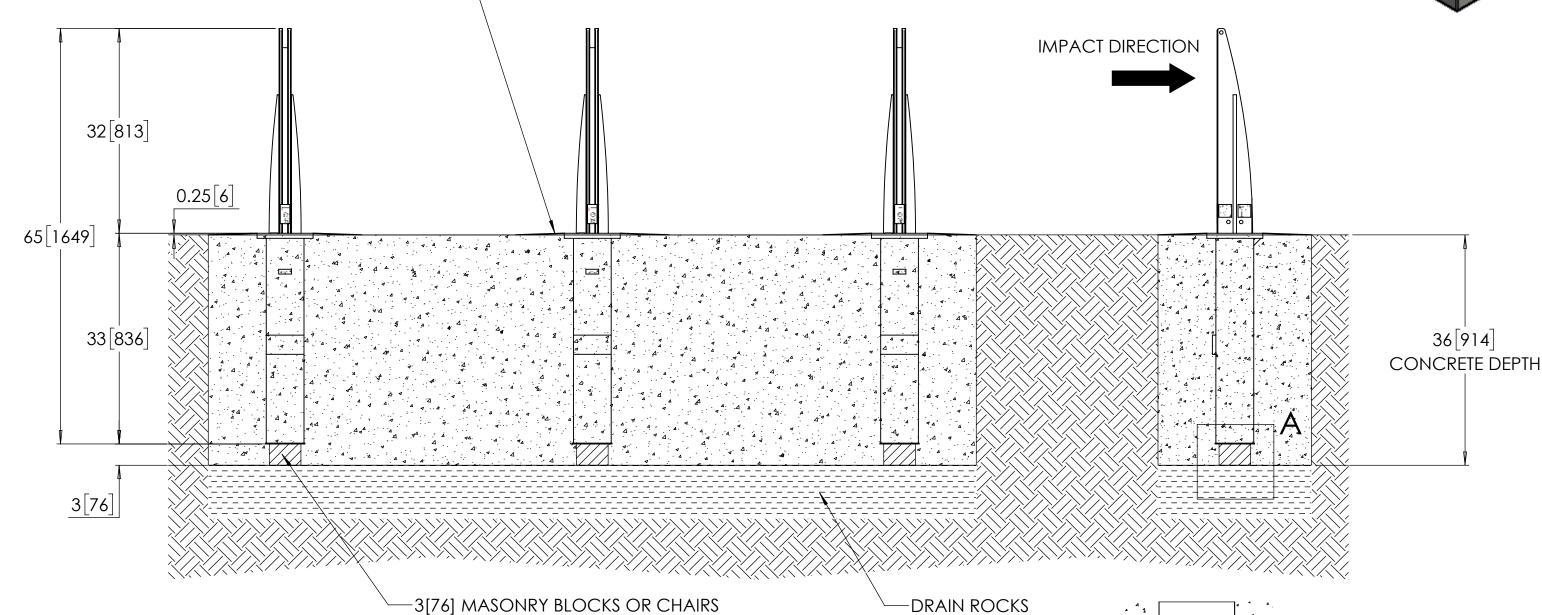
Unit 207, 6450 - 148 Street, Surrey, BC V3S 7G7, Canada 1-877-789-3245 info@reliance-foundry.com www.reliance-foundry.com

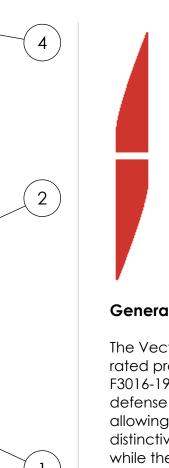
S 10 REMOVABLE BOLLARD INSTALLATION

	NAME	DATE	SIZE	DWG:	250-0024-PB		REV	
	177 0712	272		PART:			01A	
DRAWN	JF	2025-03-14		ASM:	250-0024		UIA	
EVIEWED	JL	2025-03-14	SCAL	E: 1:12		SHEE	T 1 OF 2	

Crash-rated Bollard, Model R-1010-S10-R TYPICAL BOLLARD ARRAY SHOWN (1 BOLLARD CAN WITHSTAND VEHICLE IMPACT ALONE) 48 [1219] O/C 12 305 **ADJUSTABLE** 12 305 24 610 _4000 PSI (MIN.) CONCRETE FOUNDATION IMPACT DIRECTION SET TOP EDGE OF RECEIVER APPROX. 1/4" ABOVE GRADE, BUILD A BERM AROUND THE EDGE TO REDUCE THE POSSIBILITY OF GROUND WATER GETTING INTO THE RECEIVER

2





General Description:

The Vector \$10 Removable Bollard combines crashrated protection with adaptability. Certified to ASTM F3016-19 \$10 standards, this bollard offers reliable defense against low-speed vehicle impacts while allowing temporary removal for flexible access. Its distinctive form and curved profile enhance strength, while the rebar-free installation simplifies setup and reduces costs.

REDEFINING STOREFRONT SECURITY

Specifications:

Total Height: 69" [1753 mm]

Height Above Grade: 32" [813 mm]

Height Below Grade: 33" [840 mm]

Weight: 150 lbs [68 kg]

Material: Steel

Finish: Hot-dip Galvanized

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



NOTES:

- EMBEDMENT DETAILS ARE FOR REFERENCE ILLUSTRATION ONLY. MINIMUM FOUNDATION SIZES DEPEND ON LOCAL SOIL CONDITIONS, WEATHER CONDITIONS, AND ENGINEERING REQUIREMENTS.
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TOOL REQUIRED: T45 TORX KEY

* IF LOCAL FROST LINE EXCEEDS 36" DEEP,

	ITEM	QTY.	PART NUMBER	DESCRIPTION	MATERIAL	INDIVIDUAL WEIGHT	
	1	3	250-0022	S10 RECEIVER ASSEMBLY	STEEL	34 LB	
	2	3	250-0023	S10 REMOVABLE BOLLARD ASSEMBLY	STEEL	116 LB	
	3	3	100-0063	BOLLARD FLANGE CONDUIT WASHER	PLASTIC	-	
	4	6	150-0008	TORX CSK SCREW - M10 - 50	STAINLESS STEEL	-	
	5	3	100-0061	S10 RECEIVER COVER (OPTIONAL)	STEEL	-	DI
-01/	- A DE	4410	A.T. A.I.I. TIL AEC DEL AAI	N. THE EVOLUSIVE PROPERTY OF BEHAVIOR FOLIVID	DV CO LTD		



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

S10 REMOVABLE BOLLARD INSTALLATION

	NAME	DATE	SIZE	DWG:	250-0024-PB		REV
		2,		PART:			\bigcirc 1 \wedge
DRAWN	JF	2025-03-14	C		050 000 4		$\cup \cup A$
				ASM:	250-0024		0 1 7 (
REVIEWED	.JI	2025-03-14	SCAL	F: 1:15		SHFF	T 2 OF 2

WITH A DRAINAGE HOLE

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