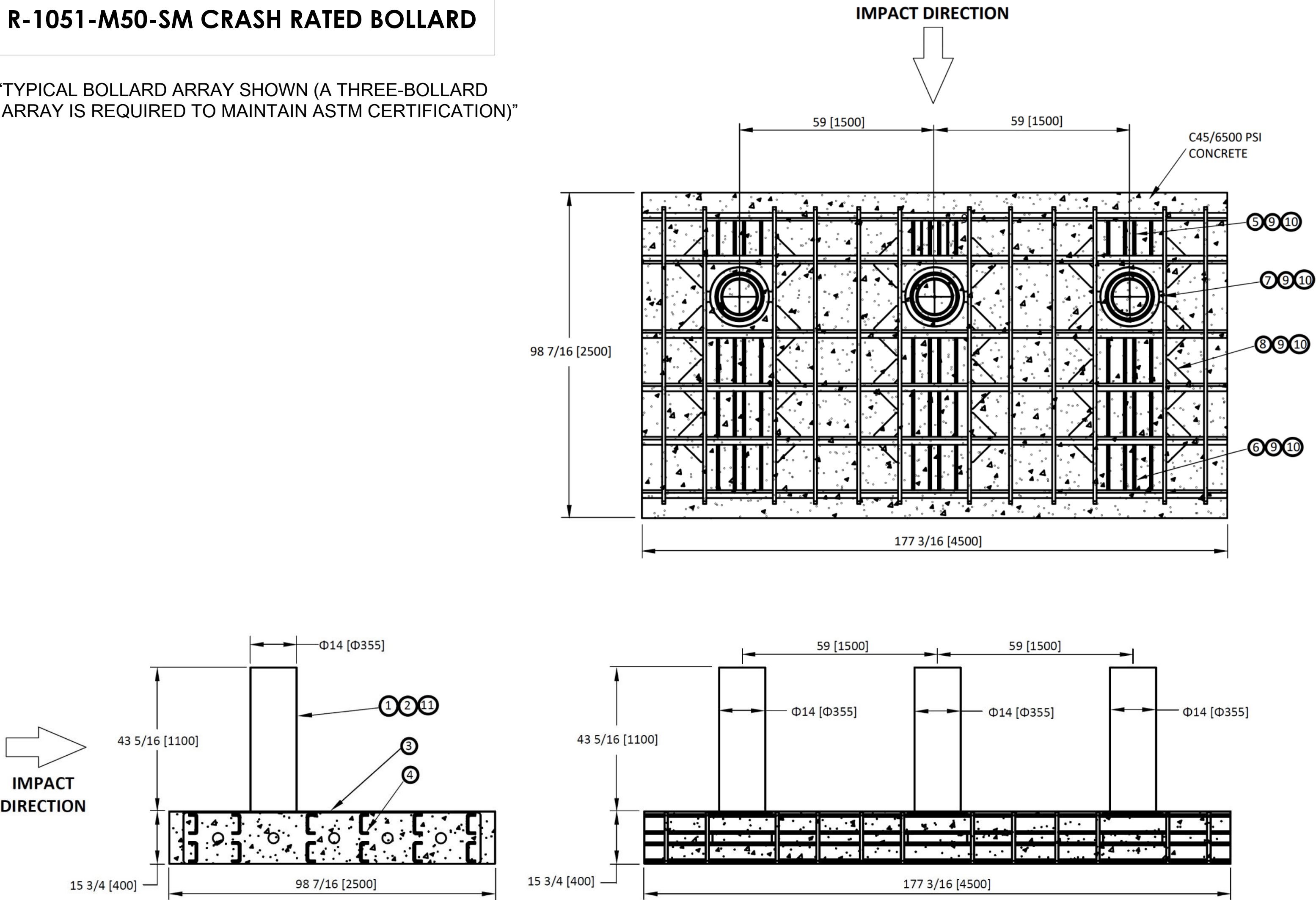


R-1051-M50-SM CRASH RATED BOLLARD

“TYPICAL BOLLARD ARRAY SHOWN (A THREE-BOLLARD ARRAY IS REQUIRED TO MAINTAIN ASTM CERTIFICATION)”



General Description:

The Halvard M50 Shallow Mount Bollard delivers top-tier crash-rated security, certified to ASTM F2656 M50 P1. Designed to stop a 15,000-pound vehicle at 50 mph within 3.3 feet, it offers maximum protection with minimal excavation thanks to its shallow mount design. The bolt-together steel frame eliminates the need for rebar, ensuring a strong yet efficient installation. For optimal security, install in a minimum three-bollard array. Includes a 316 stainless steel cover.

Specifications:

Total Height: 59" [1500]  
Height above grade: 43 5/16" [1100]  
Height below grade: 15 3/4" [400]  
Body Diameter: 14" [355]  
Weight of Bollard: 285 lbs [129.3 kg]  
Weight of Cover: 75 lbs [34 kg]  
Material: Steel

Care and Maintenance:

See Reliance Foundry's maintenance guide at:  
[www.reliance-foundry.com/bollard/maintenance-bollards](http://www.reliance-foundry.com/bollard/maintenance-bollards)



- Notes:
- 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.

ITEM NO.	QTY. (per Bollard)	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT (lbs)
1	1	100-0121-300	R1051-M50-SM Bollard	Steel	285
2	1	100-0122-300	R1051-M50-SM Bollard Cover	Stainless Steel	75
3	4	100-0123-300	L Support Sheet	Steel	17.5
4	12	100-0124-300	U Support Sheet	Steel	7
5	12	100-0125-300	A Group Sheet	Steel	2
6	4	100-0126-300	B Group Sheet	Steel	1.7
7	4	100-0127-300	Bollard Support Sheet	Steel	2.1
8	48	100-0128-300	Bracket	Steel	0.2
9	152	150-0010-000	Hex Head Bolt - M8 x 1.5 - 25mm	Stainless Steel	-
10	152	150-0011-000	Hex Nut- M8 x 1.5	Stainless Steel	-
11	3	150-0012-000	Tamper Resistant Hex Drive Flat Head Screw - M8 x 1.5 - 20mm	Stainless Steel	-
12	1	150-0013-000	Eyebolt -M12 x 1.75 Thread Size, 21mm Thread Length (for lifting)	Steel	-
13	1	150-0014-000	Eyebolt -M10 x 1.5 Thread Size, 20mm Thread Length (for lifting)	Steel	-



Unit 207, 6450 - 148 Street, Surrey, BC V3S 7G7, Canada  
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[www.reliance-foundry.com](http://www.reliance-foundry.com)

TITLE:  
R-1051-M50-SM CRASH  
RATED BOLLARD

	NAME	DATE	SIZE	DWG: 250-0019-01	REV
DRAWN	MS	4/14/2025	C	PART: ASM:	05A
REVIEWED	JF	4/14/2025	SCALE: 1:1		SHEET 1 OF 1