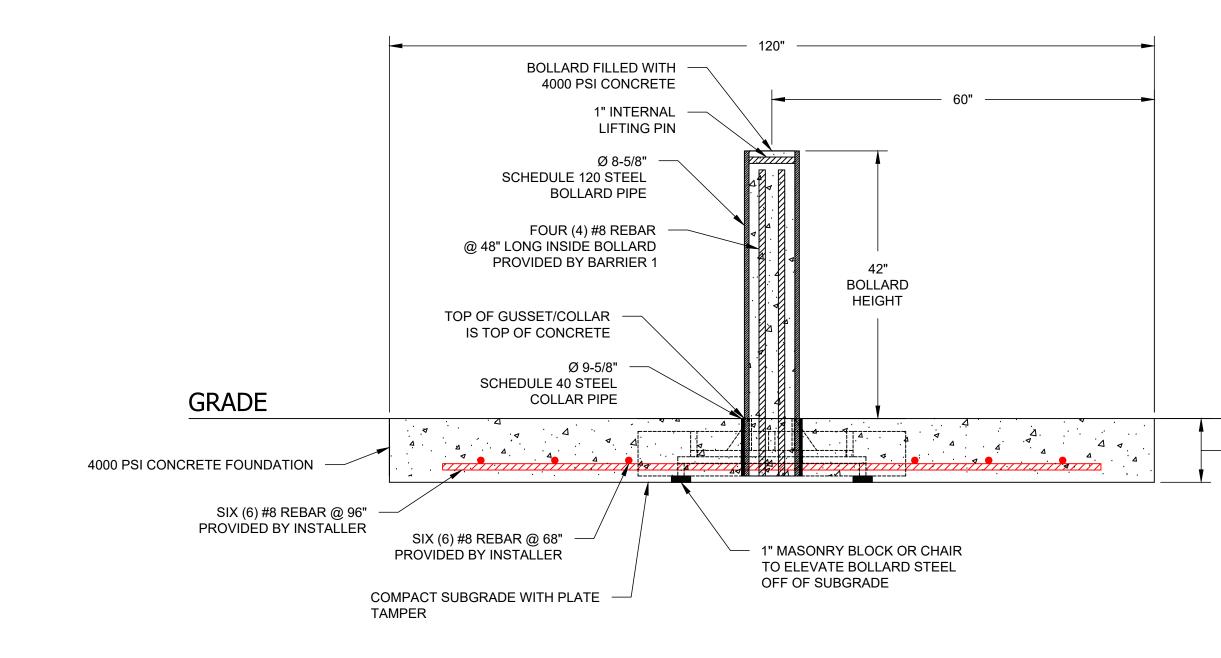
SHALLOW MOUNT BOLLARD - MODEL SMB-400-SSA CRASH TESTED TO ASTM F2656-15 - M30/P1 RATED - STOPS 15,000 LB. VEHICLE AT 30 MPH IMPACT

TYPICAL SINGLE BOLLARD INSTALLATION





BARRIER1 SYSTEMS, LLC

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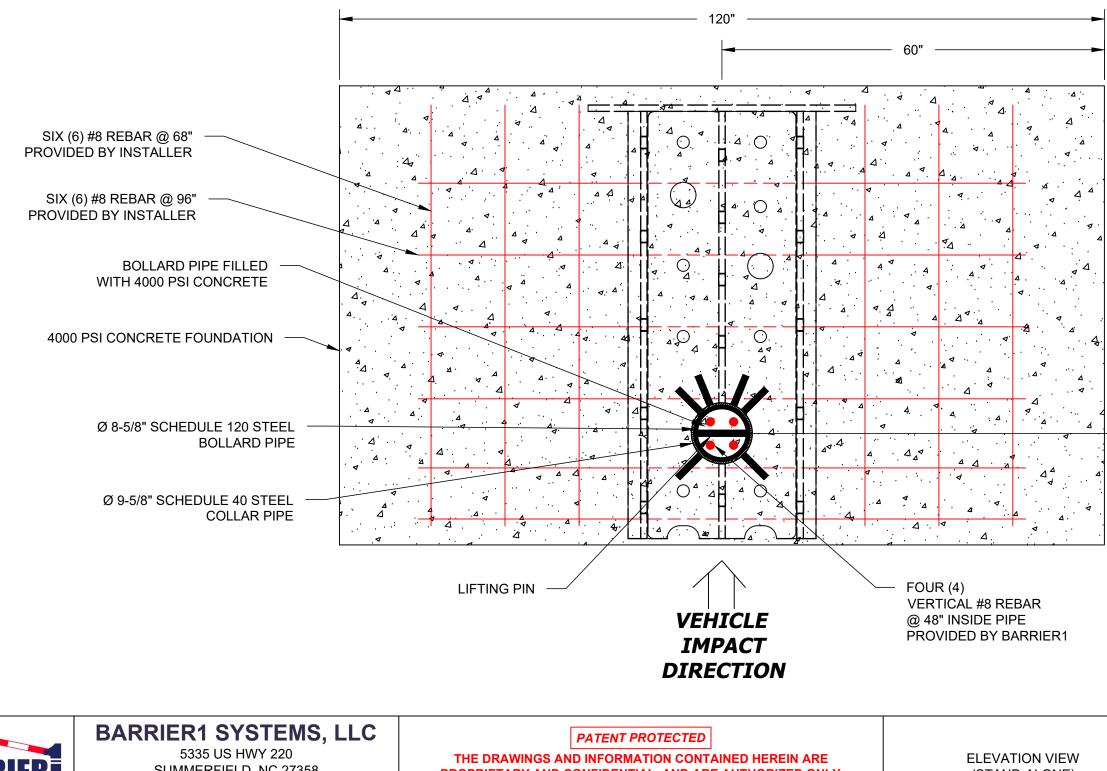
GRADE

10" FOUNDATION DEPTH

SMB-400-SA WEBSITE DRAWING	SHEET: 1 OF 6
	20240522-10-M
	SCALE: N.T.S.

SHALLOW MOUNT BOLLARD - MODEL SMB-400-SSA CRASH TESTED TO ASTM F2656-15 - M30/P1 RATED - STOPS 15,000 LB. VEHICLE AT 30 MPH IMPACT

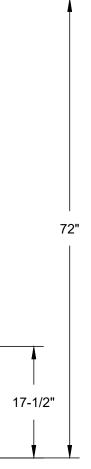
TYPICAL SINGLE BOLLARD INSTALLATION



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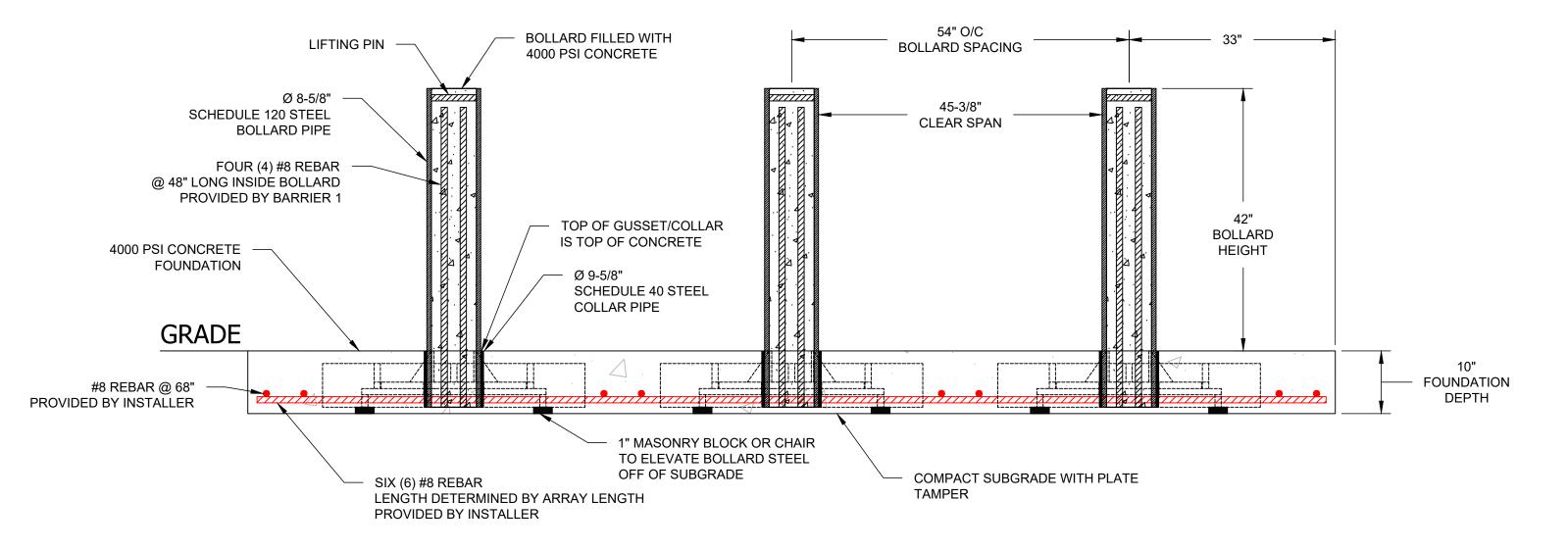
(STAND-ALONE)



		SHEET: 2 OF 6
SMB-400-SA WEBSITE DRAWING	20240522-10-M	
	SCALE: N.T.S.	

SHALLOW MOUNT BOLLARD - MODEL SMB-400-SSA CRASH TESTED TO ASTM F2656-15 - M30/P1 RATED - STOPS 15,000 LB. VEHICLE AT 30 MPH IMPACT

TYPICAL BOLLARD ARRAY INSTALLATION



NOTE:

1. MODIFIED SPACING FOR SITE SPECIFIC CONDITIONS AVAILABLE



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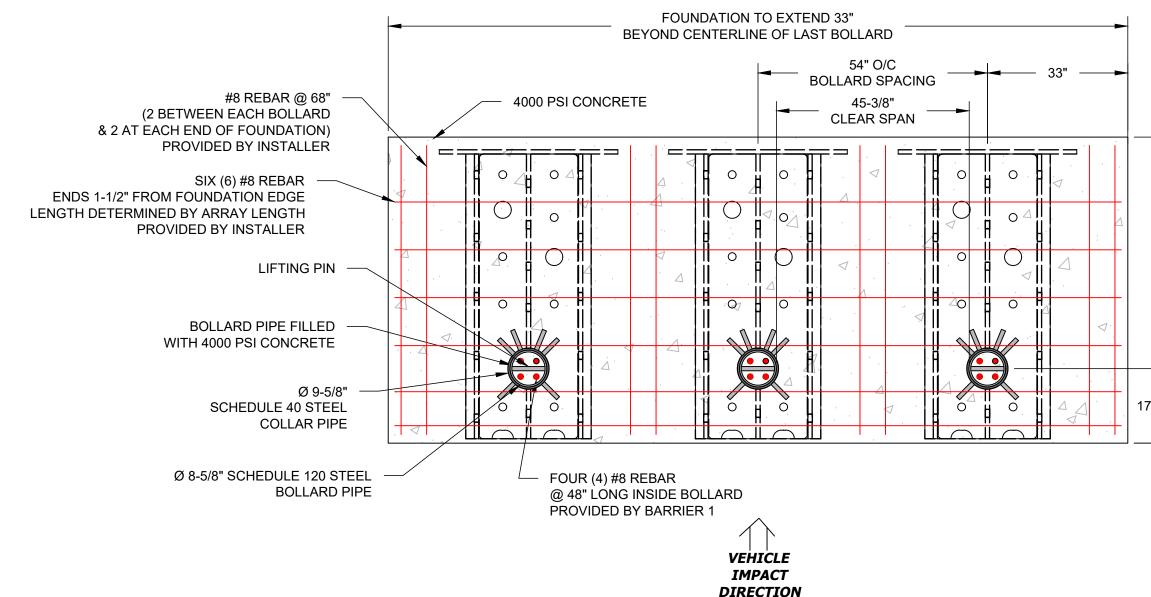
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ELEVATION VIEW (ARRAY - MODIFIED)

SMB-400-SA WEBSITE DRAWING	SHEET: 3 OF 6	
	20240522-10-M	
	SCALE: N.T.S.	

SHALLOW MOUNT BOLLARD - MODEL SMB-400-SSA CRASH TESTED TO ASTM F2656-15 - M30/P1 RATED - STOPS 15,000 LB. VEHICLE AT 30 MPH IMPACT

TYPICAL BOLLARD ARRAY INSTALLATION



NOTE:

1. MODIFIED SPACING FOR SITE SPECIFIC CONDITIONS AVAILABLE



BARRIER1 SYSTEMS, LLC

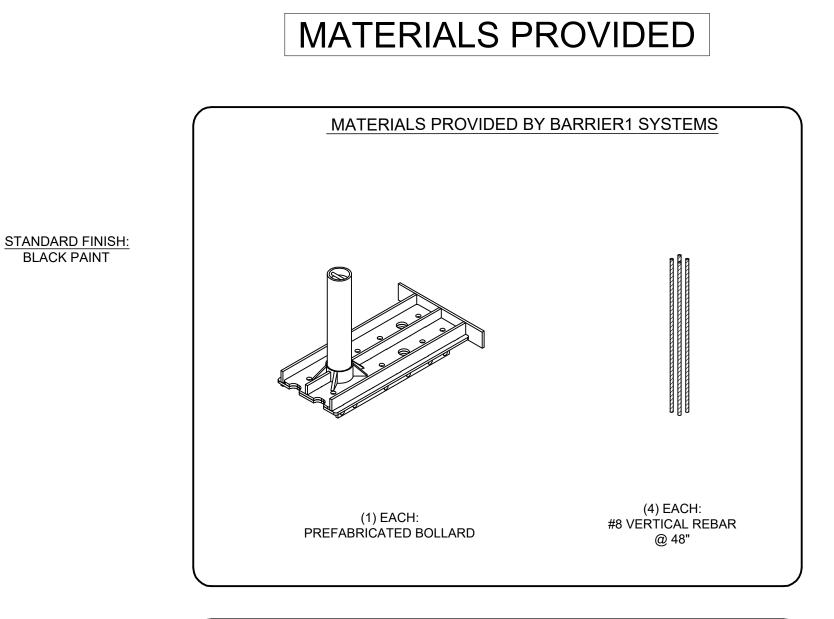
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		SHEET: 4 OF 6
SMB-400-SA WEBSITE DRAWING	20240522-10-M	
	SCALE: N.T.S.	

SHALLOW MOUNT BOLLARD - MODEL SMB-400-SSA CRASH TESTED TO ASTM F2656-15 - M30/P1 RATED - STOPS 15,000 LB. VEHICLE AT 30 MPH IMPACT



MATERIALS PROVIDED BY INSTALLER:

- 1. ABOUT 1.0 CUBIC YARDS OF CONCRETE PER BOLLARD FOR ARRAY ABOUT 2.0 CUBIC YARDS OF CONCRETE PER BOLLARD FOR STANDALONE
- 2. SIX (6) #8 HORIZONTAL REBAR @96" PER BOLLARD OR BY ARRAY LENGTH TO
- CONNECT ADJACENT BOLLARDS 3. #8 HORIZONTAL REBAR @68" LAID OVER #8 @ 96" REBAR BETWEEN ADJACENT BOLLARDS AND EDGE OF FOUNDATION
- 4. MASONRY BRICKS OR CHAIRS TO ELEVATE BOLLARD STEEL OFF SUBGRADE

BARRIERI NOTHING GETS PAST US

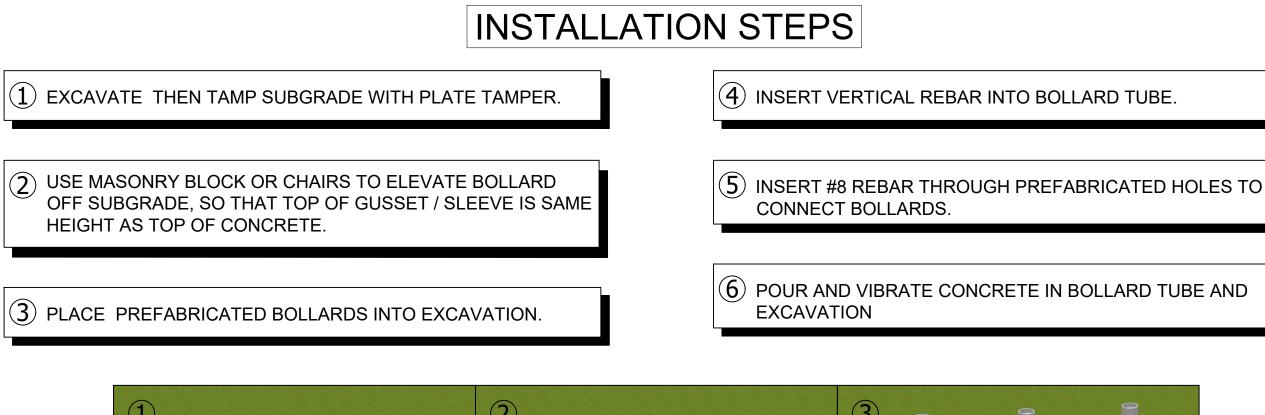
BARRIER1 SYSTEMS, LLC

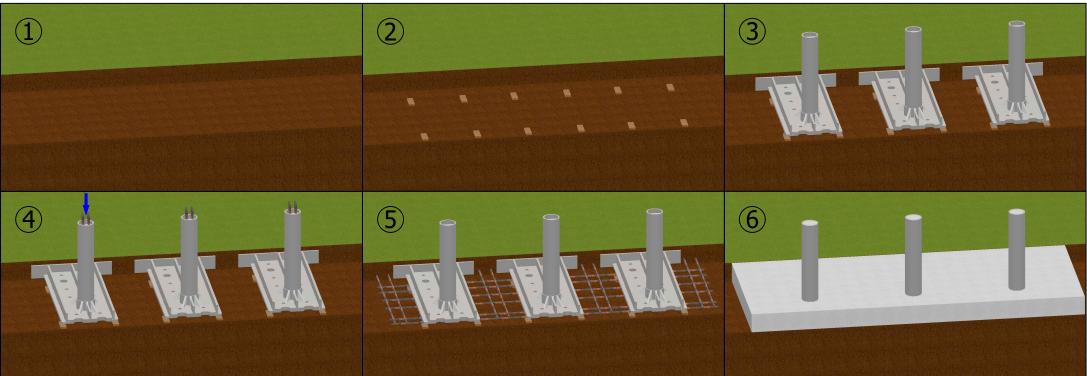
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		SHEET: 5 OF 6
SMB-400-SA WEBSITE DRAWING	20240522-10-M	
	SCALE: N.T.S.	

SHALLOW MOUNT BOLLARD - MODEL SMB-400-SSA CRASH TESTED TO ASTM F2656-15 - M30/P1 RATED - STOPS 15,000 LB. VEHICLE AT 30 MPH IMPACT







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INSTALLATION STEPS

SMB-400-SA WEBSITE DRAWING	SHEET: 6 OF 6
	IG 20240522-10-M
	SCALE: N.T.S.