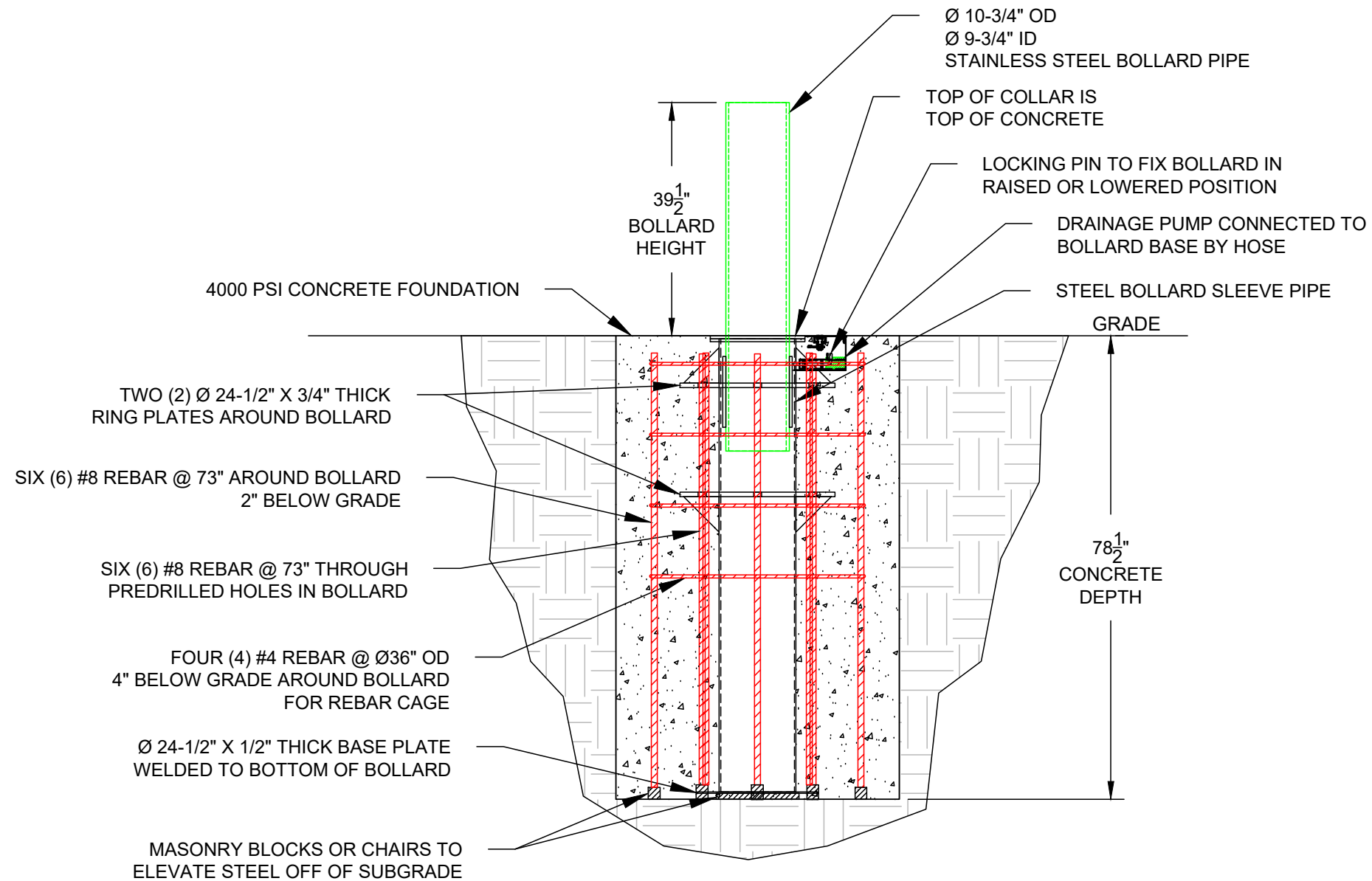


B1 TRITON M30

MANUALLY RETRACTABLE BOLLARD - MODEL RB-400

CRASH TESTED TO ASTM F2656-07 - M30/P1 RATED - STOPS 15,000 LB. VEHICLE AT 30 MPH IMPACT

TYPICAL SINGLE BOLLARD INSTALLATION



BARRIER1 SYSTEMS, LLC

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 SUMMERFIELD, NC 27358
 (336) 617-8478 www.barrier1.com
 sales@barrier1.com

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ELEVATION VIEW
 (STAND-ALONE)

MRB-400
 WEBSITE DRAWING

SHEET: 1 OF 6

20250218-10-S

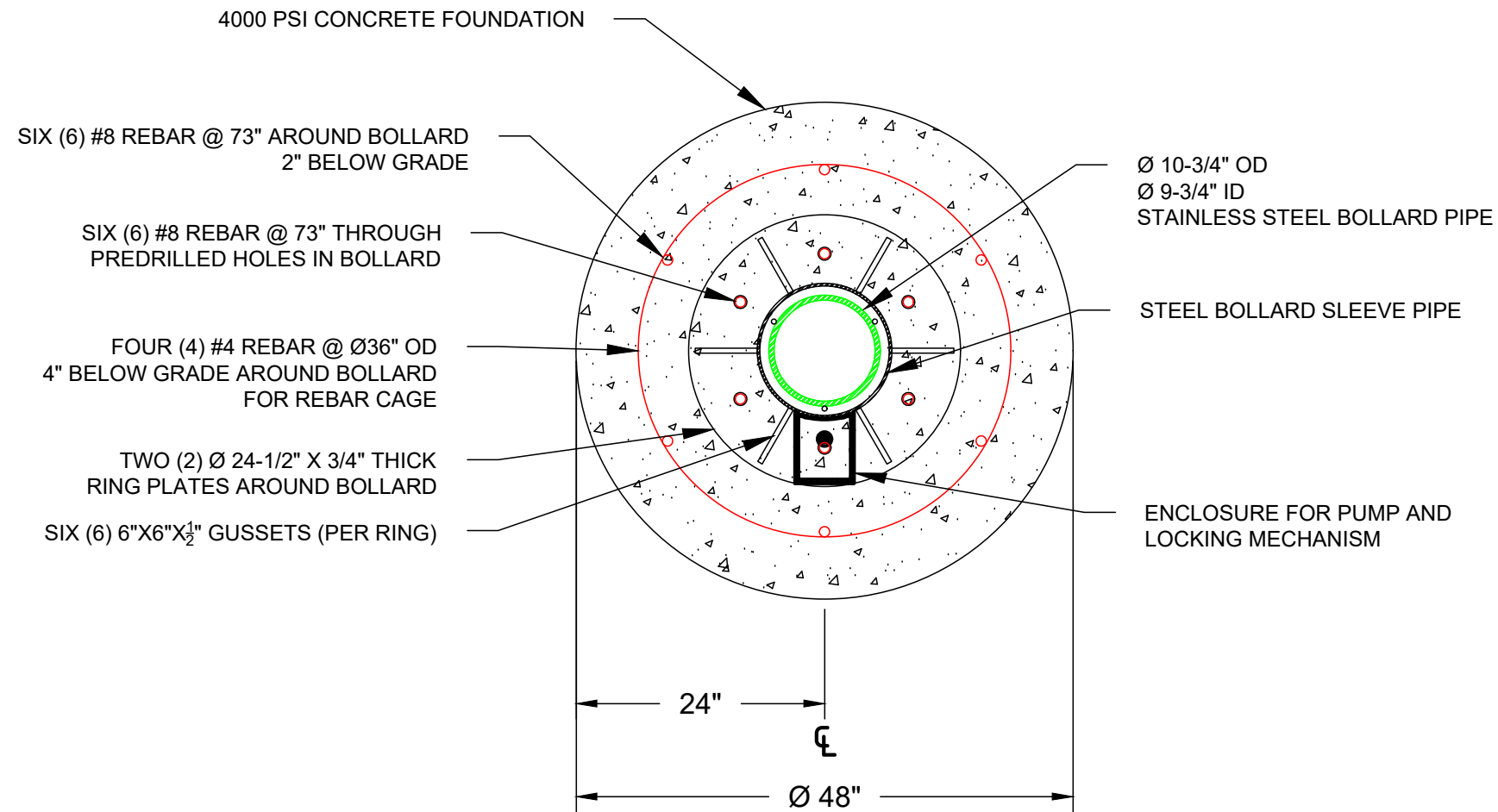
SCALE: N.T.S.

B1 TRITON M30

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PLAN VIEW
(STAND-ALONE)

MRB-400
WEBSITE DRAWING

SHEET: 2 OF 6

20250218-10-S

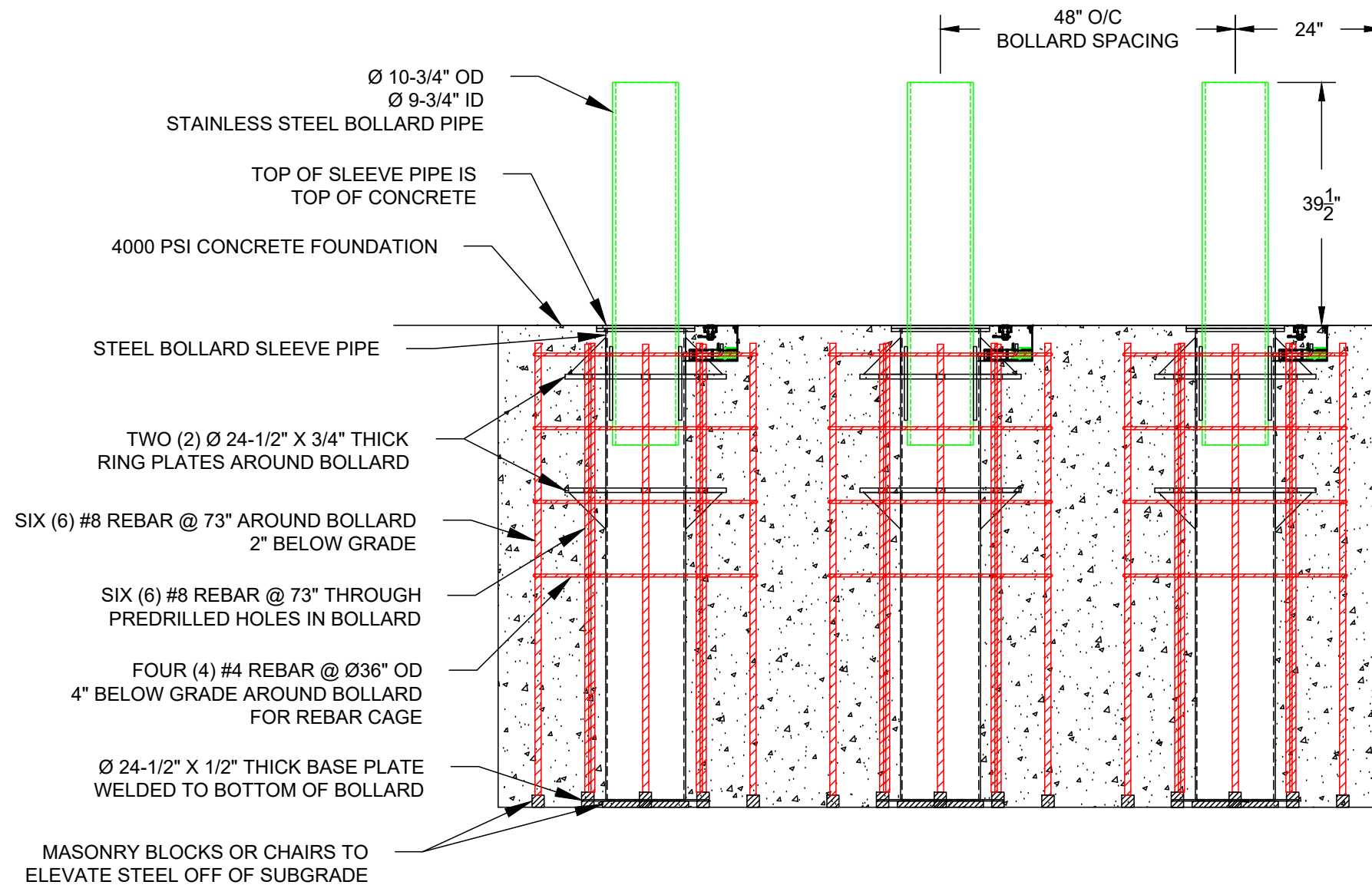
SCALE: N.T.S.

B1 TRITON M30

MANUALLY RETRACTABLE BOLLARD - MODEL RB-400

CRASH TESTED TO ASTM F2656-07 - 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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ELEVATION VIEW
(ARRAY)

MRB-400
WEBSITE DRAWING

SHEET: 3 OF 6

20250218-10-S

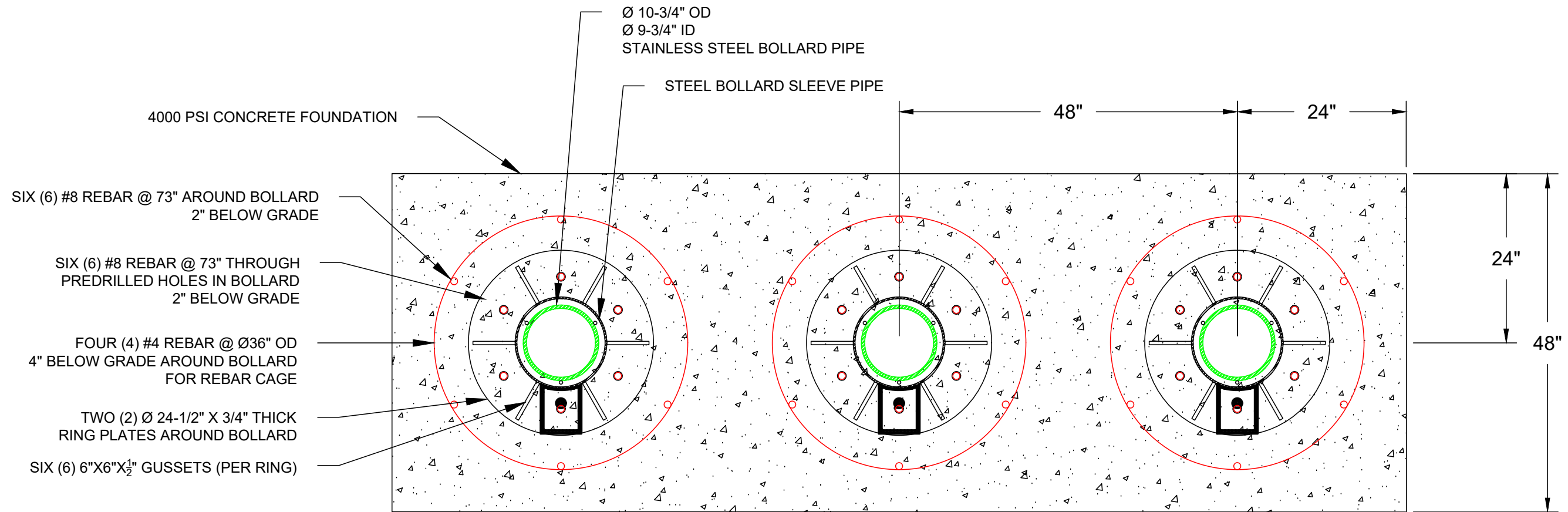
SCALE: N.T.S.

B1 TRITON M30

MANUALLY RETRACTABLE BOLLARD - MODEL RB-400

CRASH TESTED TO ASTM F2656-07 - 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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PLAN VIEW
(ARRAY)

MRB-400
WEBSITE DRAWING

SHEET: 4 OF 6

20250218-10-S

SCALE: N.T.S.

B1 TRITON M30

MANUALLY RETRACTABLE BOLLARD - MODEL RB-400

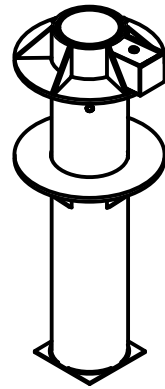
CRASH TESTED TO ASTM F2656-07 - M30/P1 RATED - STOPS 15,000 LB. VEHICLE AT 30 MPH IMPACT

MATERIALS PROVIDED

PREFABRICATED BOLLARD MATERIALS PROVIDED BY BARRIER1 SYSTEMS

ABOVE GRADE FINISH:
STAINLESS STEEL

BELOW GRADE FINISH:
GALVANIZED STEEL



(QTY 1) EACH:
BOLLARD ASSEMBLY



PRE-CUT #8 REBAR
@ 73" LONG
QTY: SIX (6) PER BOLLARD



PRE-CUT #8 REBAR CAGE COMPONENTS
QTY: SIX (6) #8 REBAR @ 73" LONG
QTY: FOUR (4) #4 REBAR RING Ø 36" OD
(ASSEMBLED IN FIELD BY INSTALLER)

MATERIALS PROVIDED BY INSTALLER

1. CONCRETE, 3.0 CUBIC YARDS PER BOLLARD
2. CHAIRS TO ELEVATE BOLLARDS ABOVE SUBGRADE



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MATERIALS PROVIDED

MRB-400
WEBSITE DRAWING

SHEET: 5 OF 6

20250218-10-S

SCALE: N.T.S.

B1 TRITON M30

MANUALLY RETRACTABLE BOLLARD - MODEL RB-400

CRASH TESTED TO ASTM F2656-07 - M30/P1 RATED - STOPS 15,000 LB. VEHICLE AT 30 MPH IMPACT

INSTALLATION STEPS

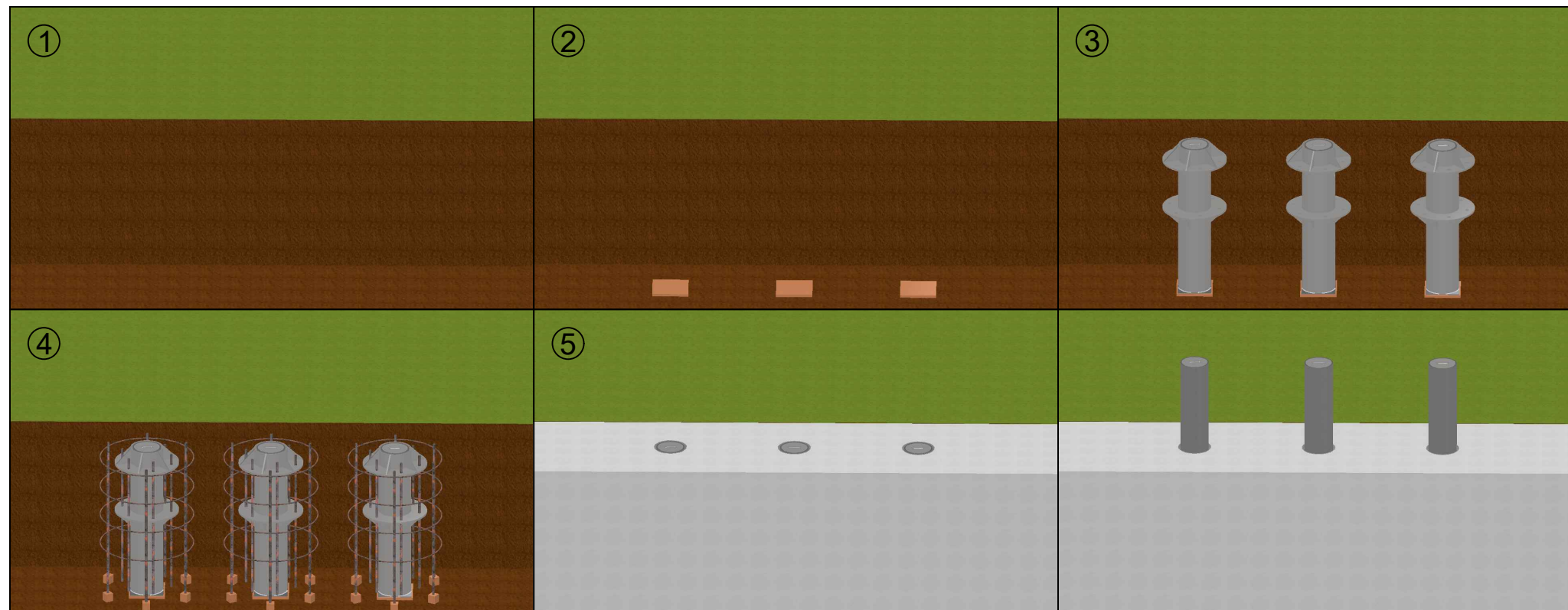
① EXCAVATE THEN TAMP SUBGRADE WITH PLATE TAMPER.

② USE MASONRY BLOCK OR CHAIRS TO ELEVATE BOLLARD OFF SUBGRADE, SO THAT TOP OF GUSSET / SLEEVE IS SAME HEIGHT AS TOP OF CONCRETE.

③ PLACE PREFABRICATED BOLLARDS INTO EXCAVATION.

④ INSERT VERTICAL REBAR AND REBAR CAGE INTO BOLLARD TUBE.

⑤ FILL EXCAVATION WITH CONCRETE, ENSURING NO CONCRETE SEEPS INTO BOLLARD TUBE OR SLEEVE.



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INSTALLATION STEPS

MRB-400
WEBSITE DRAWING

SHEET: 6 OF 6

20250218-10-S

SCALE: N.T.S.