M30 STANDALONE

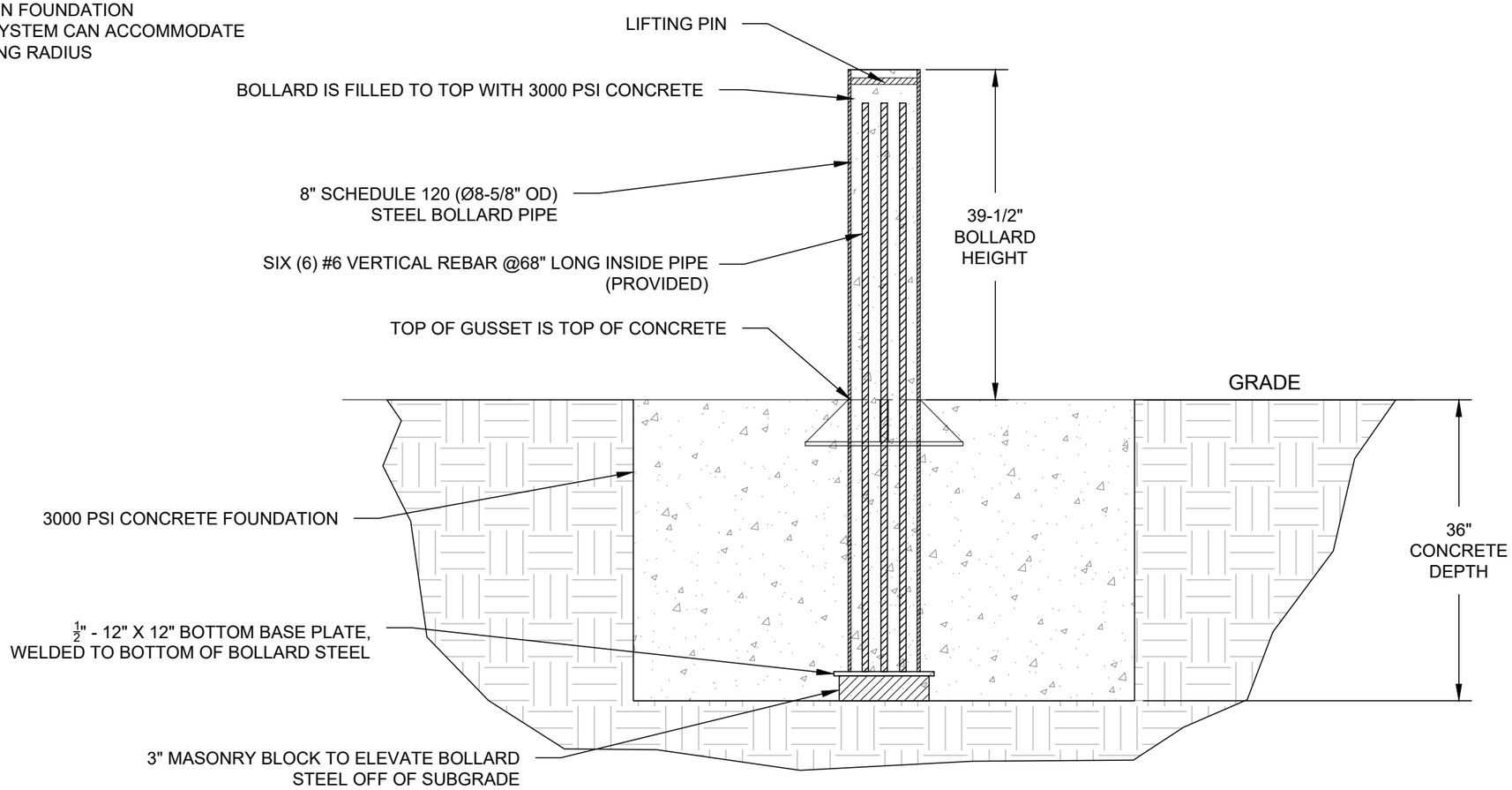
SET & POUR BOLLARD - MODEL SPB-400

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

TYPICAL SINGLE BOLLARD INSTALLATION

KEY FEATURES:

1. PREFABRICATED BOLLARD UNIT
2. NO REBAR IN FOUNDATION
3. BOLLARD SYSTEM CAN ACCOMMODATE ANY TURNING RADIUS



NOTE:
TOTAL QUANTITY OF BOLLARDS PROVIDED TO BE DEFINED ON PURCHASE ORDER.

IDEAL SHIELD
2525 CLARK ST.
DETROIT, MI. 48209
(866)825-8659 www.idealshield.com
info@idealshield.com

PATENT PROTECTED

ELEVATION VIEW
(STAND-ALONE)

SPB-400
WEBSITE DRAWING

SHEET: 1 OF 6

20250228-10-M

SCALE: N.T.S.

M30 STANDALONE

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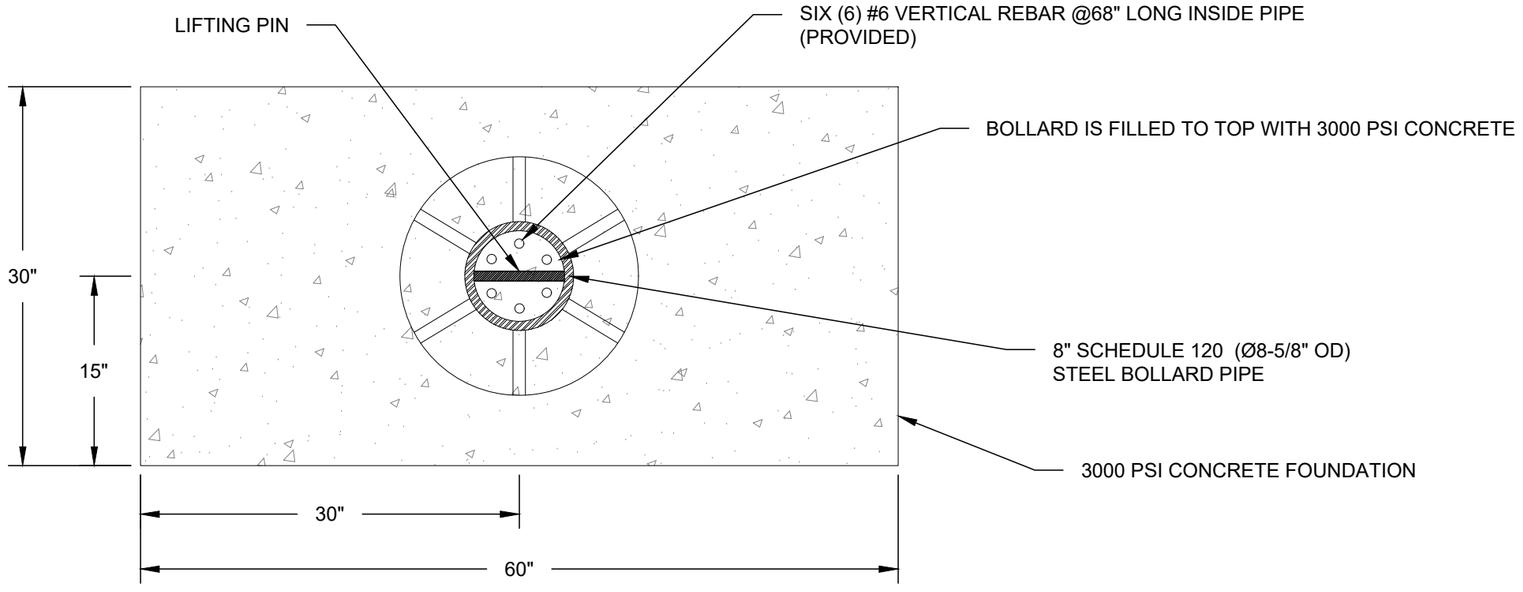
CRASH TESTED TO ASTM F2656-07 - M30/P1 RATED - STOPS 15,000 LB. VEHICLE AT 30 MPH IMPACT

TYPICAL SINGLE BOLLARD INSTALLATION



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PATENT PROTECTED

PLAN VIEW
(STAND-ALONE)

SPB-400
WEBSITE DRAWING

SHEET: 2 OF 6

20250228-10-M

SCALE: N.T.S.

M30 ARRAY

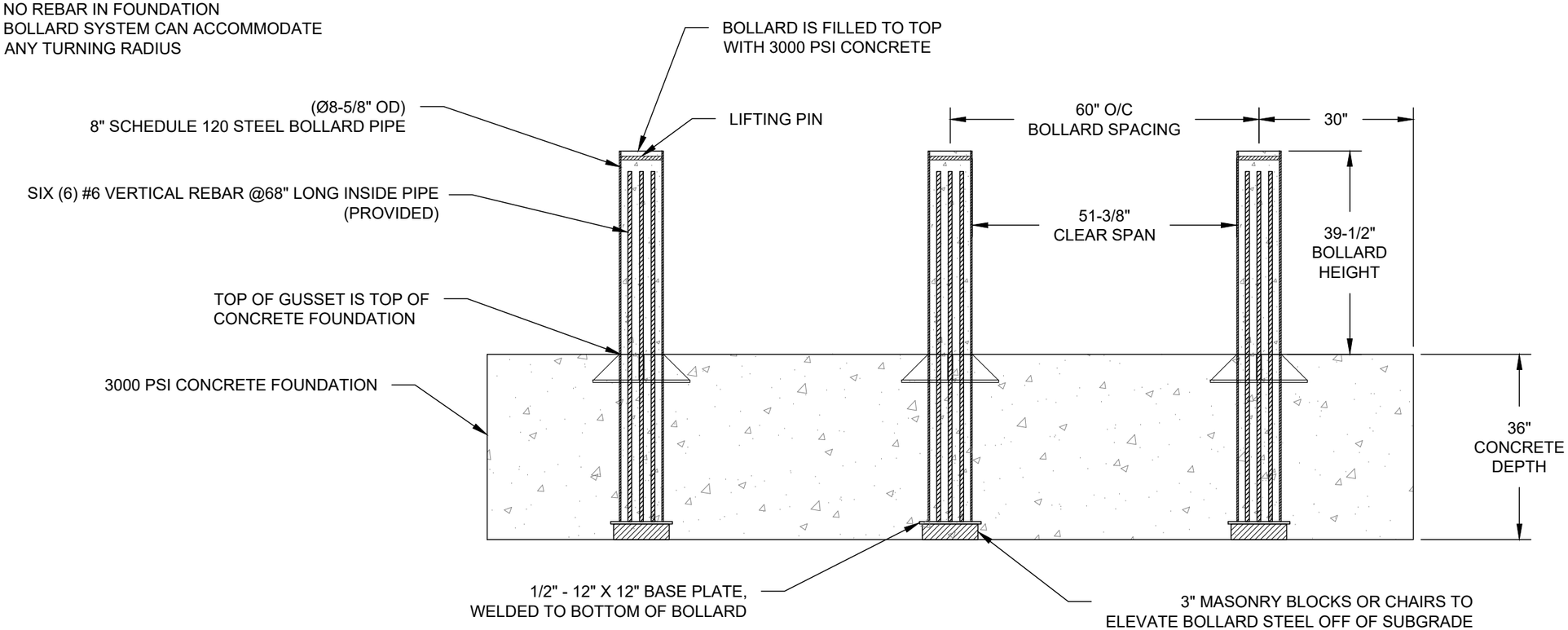
SET & POUR BOLLARD - MODEL SPB-400

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

TYPICAL BOLLARD ARRAY INSTALLATION

KEY FEATURES:

1. PREFABRICATED BOLLARD UNIT
2. NO REBAR IN FOUNDATION
3. BOLLARD SYSTEM CAN ACCOMMODATE ANY TURNING RADIUS



NOTE:

1. MODIFIED SPACING FOR SITE SPECIFIC CONDITIONS AVAILABLE.

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PATENT PROTECTED

ELEVATION VIEW (ARRAY)

SPB-400 WEBSITE DRAWING

20250228-10-M

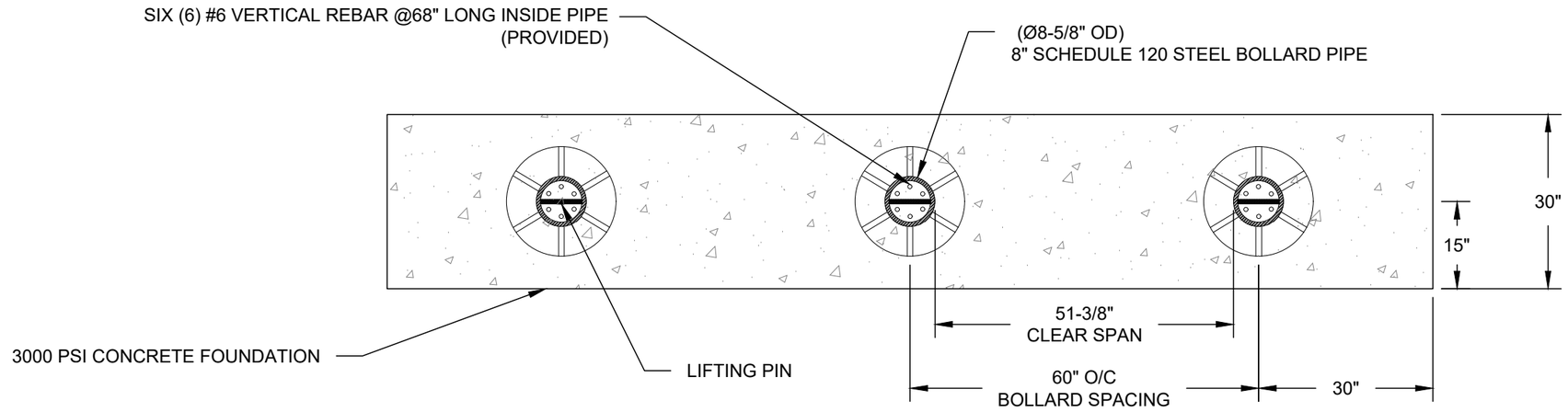
SCALE: N.T.S.

M30 ARRAY

SET & POUR BOLLARD - MODEL SPB-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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PATENT PROTECTED

PLAN VIEW
(ARRAY)

SPB-400
WEBSITE DRAWING

SHEET: 4 OF 6

20250228-10-M

SCALE: N.T.S.

M30 STANDALONE

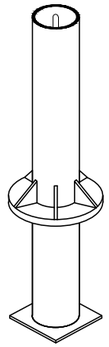
SET & POUR BOLLARD - MODEL SPB-400

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

MATERIALS PROVIDED

STANDARD FINISH:
GLOSS BLACK PAINT

PREFABRICATED BOLLARD MATERIALS



(QTY 1) EACH:

BOLLARD ASSEMBLY

(QTY 6) EACH:
PRE-CUT #6 VERTICAL REBAR
@ 68" LONG
(PLACED INSIDE BOLLARD)

MATERIALS PROVIDED BY INSTALLER

1. CONCRETE, ABOUT 1.5 CUBIC YARDS PER BOLLARD
2. MASONRY BLOCKS OR CHAIRS TO ELEVATE BOLLARDS OFF OF SUBGRADE

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MATERIALS PROVIDED

SPB-400
WEBSITE DRAWING

20250228-10-M

SCALE: N.T.S.

M30 ARRAY

SET & POUR BOLLARD - MODEL SPB-400

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

INSTALLATION STEPS

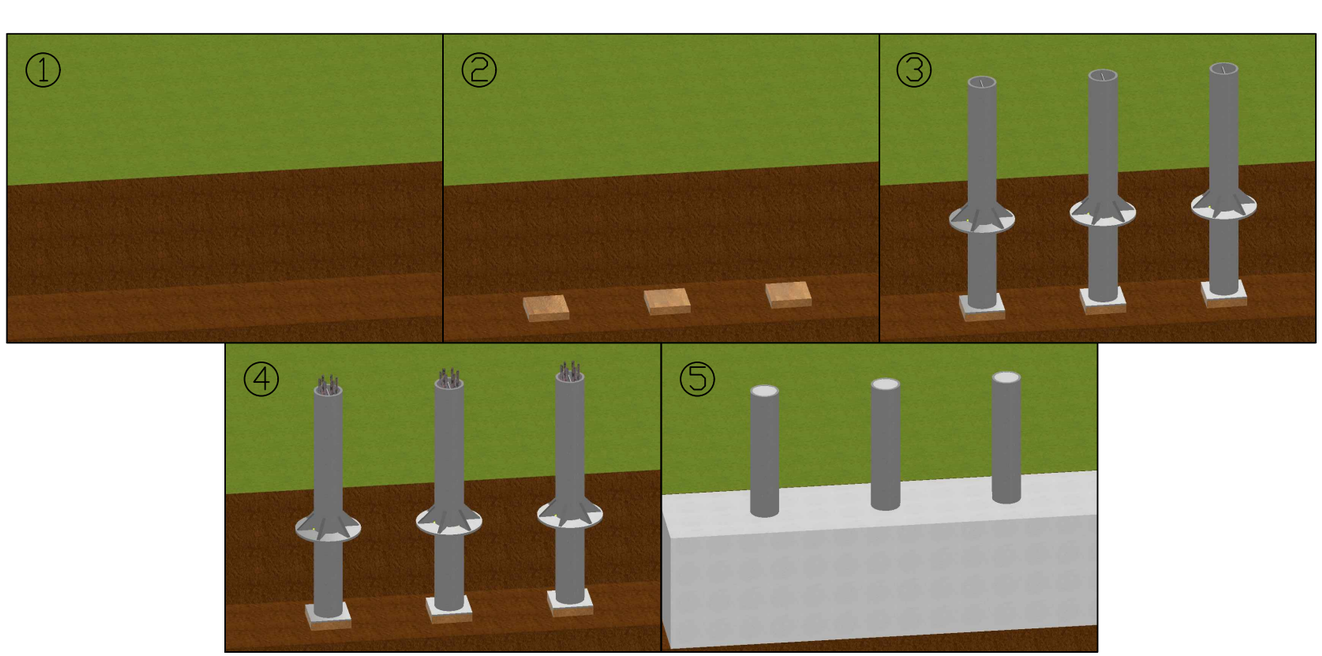
① EXCAVATE THEN TAMP SUBGRADE WITH PLATE TAMPER.

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 INTO BOLLARD TUBE.

⑤ FILL BOLLARD TUBE AND EXCAVATION WITH CONCRETE.



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PATENT PROTECTED

INSTALLATION STEPS

SPB-400
WEBSITE DRAWING

SHEET: 6 OF 6

20250228-10-M

SCALE: N.T.S.