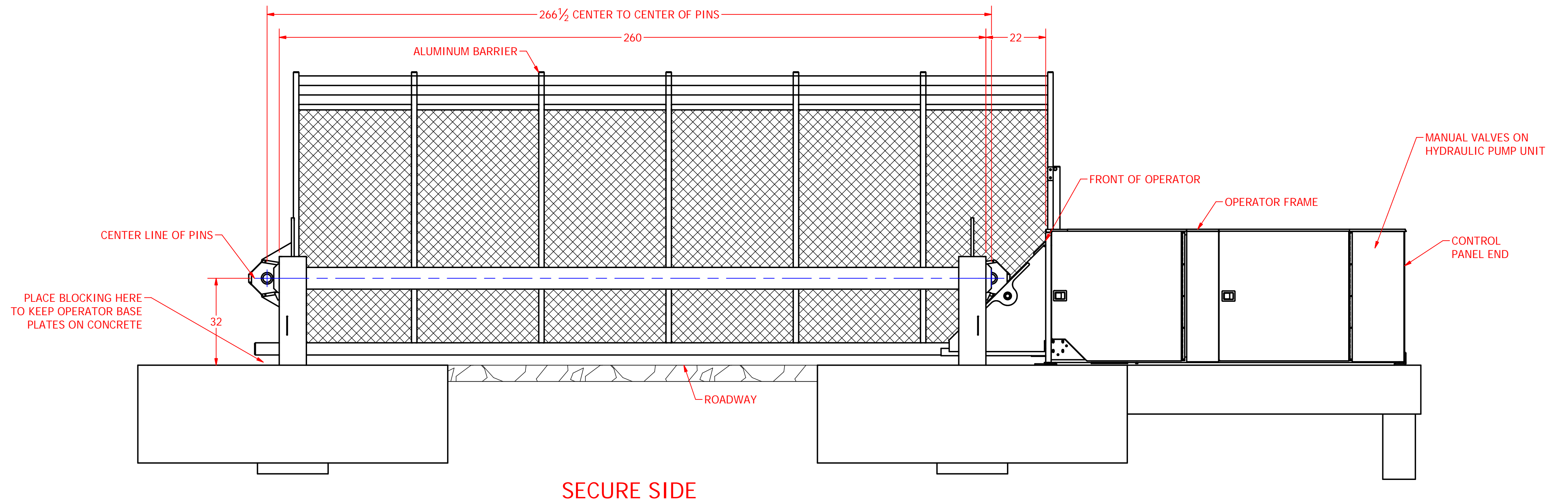
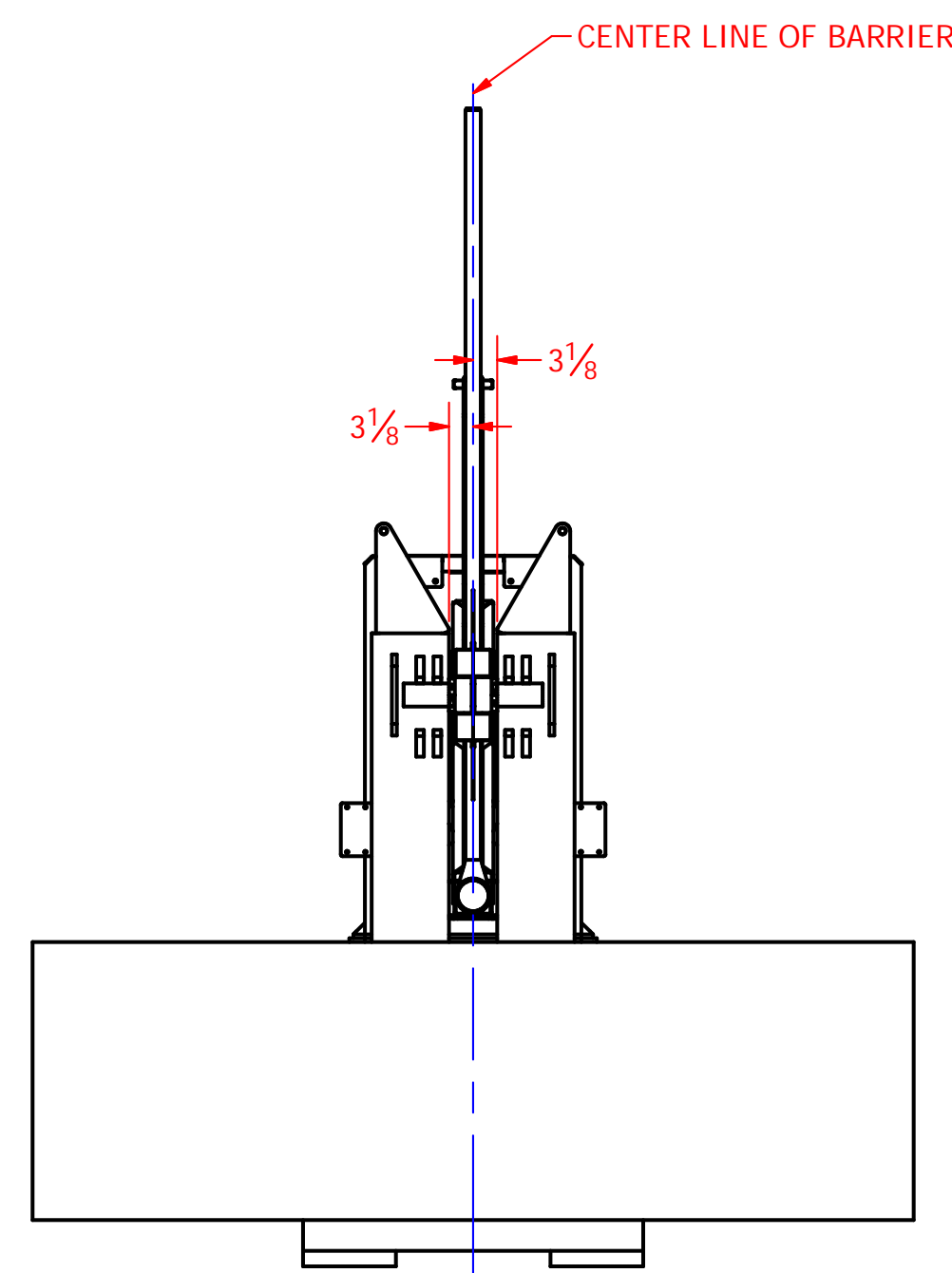
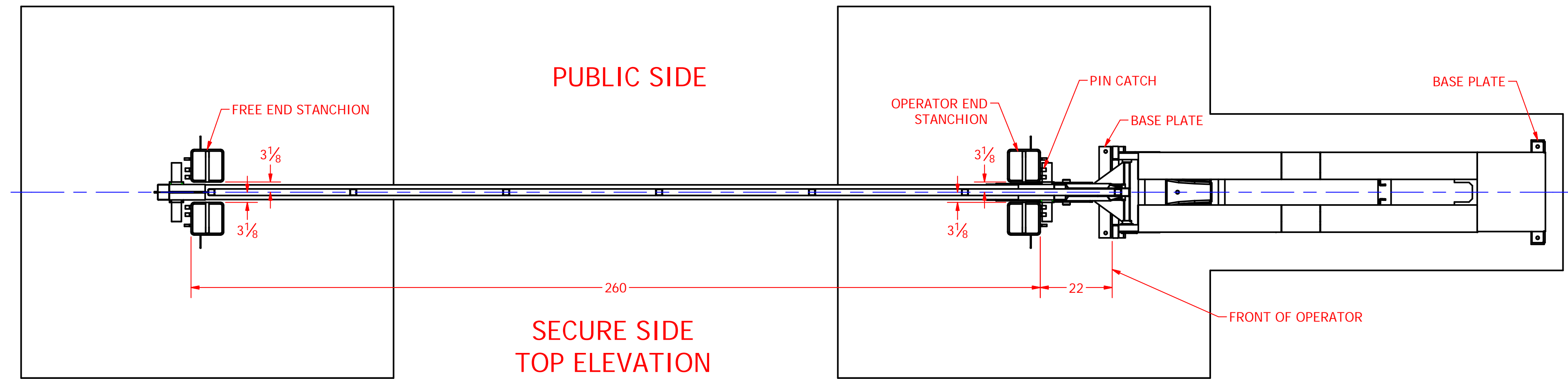


INSTALLATION PROCEDURE.

MODEL PSB M40 CAN WEIGH UP TO 2700 POUNDS.
 USE SUITABLE LIFTING DEVICE FOR INSTALLATION.
 LIFT OPERATOR AND BARRIER OVER STANCHIONS
 LOWER OPERATOR AND BARRIER SLOWLY SO THE
 BARRIER IS IN BETWEEN BOTH STANCHIONS.
 PLACE BLOCKING UNDER FREE END OF BARRIER
 TO KEEP BOTH OPERATOR BASE PLATES ON CONCRETE.
 THE FRONT OF THE OPERATOR SHOULD BE ABOUT
 22 INCHES AWAY FROM STANCHION.
 BARRIER SHOULD BE CENTERED BETWEEN BOTH
 STANCHIONS. ADJUST AS NEEDED.
 WHEN OPERATOR AND BARRIER ARE PLACE PROPERLY
 REMOVE YELLOW LIFTING BRACKET FROM OPERATOR.
 OPEN MANUAL VALVES ON HYDRAULIC PUMP UNIT.
 HOLD CONTROL PANEL END OF OPERATOR DOWN SO
 IT WILL NOT RAISE OFF CONCRETE PAD.
 FROM FREE END OF BARRIER RAISE THE BARRIER BY
 HAND TO CHECK THAT BOTH PINS CLEAR STANCHION CATCHES.
 IF THERE IS ANY INTERFERENCE CORRECT AS NEEDED.
 WHEN PROPERLY ALIGNED LOWER BARRIER BACK ON BLOCKING.
 DRILL HOLES IN CONCRETE THROUGH HOLES IN BASE
 PLATES FOR ANCHOR BOLTS.
 FOLLOW EPOXY MANUFACTOR INSTRUCTIONS FOR ANCHOR BOLTS
 DO NOT OPERATE GATE UNTIL EPOXY HAS FULLY CURRIED.

**Tilt-A-Way
 MODEL PSB M40
 ALUMINUM BARRIER
 20' ROADWAY
 HYDRAULIC VERTICAL PIVOT GATE
 RIGHT HAND INSTALLATION SHOWN
 LEFT HAND OPPOSITE**



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REMOVE ALL BURRS	PROJECTION	DRAWN T Henry	3/15/2017	Ideal Mfg., Inc.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	QA	CHECKED		2011 Harnish Blvd. Billings MT 59101 Tel. (406) 656-4360	
.XX ± .01	MFG			TITLE	
.XXX ± .005	APPROVED			TILT-A-WAY PSB M40	
FRACTIONS ± 1/2	WEIGHT			SIZE	DWG NO
ANGLES ± 1°	N/A			D	PSB M40 - 401
DRILLED HOLE ± 1/4	SCALE			REV	
					SHEET 1 OF 5

**Tilt-A-Way
MODEL PSB M40
HYDRAULIC VERTICAL PIVOT GATE
20' ROADWAY
RIGHT HAND INSTALLATION SHOWN
LEFT HAND OPPOSITE**

NOTE:
IDEAL MFG., INC.
RECOMMENDS THAT A 4" TO 6" CONCRETE FOOTING BE
POURED FIRST, UNDER EACH OF THE STANCHIONS AT THE SAME
ELEVATION. STANCHION FOOTINGS SHOULD BE A MINIMUM
OF 36" BELOW FINISHED GRADE OF ROADWAY.
THIS WILL HELP TO INSURE THAT
THE STANCHIONS ARE PLUM AND LEVEL.
HOLES HAVE BEEN PROVIDED IN BASE PLATES
OF STANCHIONS TO HELP IN SECURING STANCHIONS TO FOOTINGS
WITH ANCHOR BOLTS (NOT INCLUDED). AN ASSORTMENT OF LEVELING
SHIMS HAVE BEEN PROVIDED.

NOTES:
CONCRETE 4000 PSI MIN.

#4 REBAR GRADE 40 OR GRADE 60.

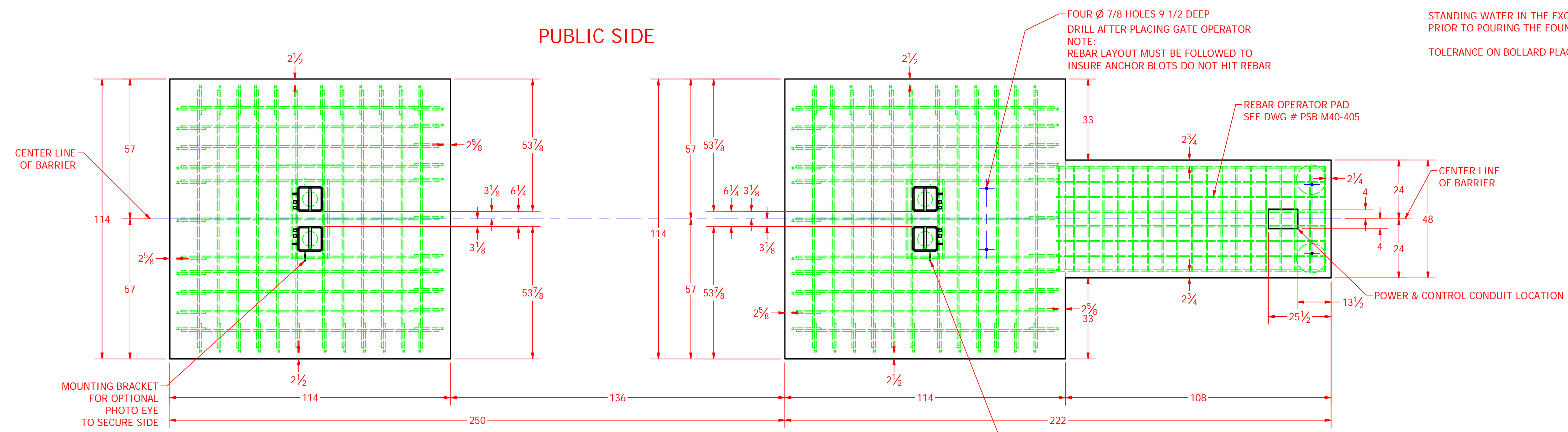
#6 REBAR GRADE 60.

STANCHION FOUNDATIONS SHALL BE INSTALLED IN SOILS
(NATURAL OR CONTROLLED FILL MATERIAL) THAT IS SUITABLE
FOR CONSTRUCTION AND FOUNDATION SUBGRADE SHALL
BE APPROVED BY THE SITE ENGINEER PRIOR TO CONSTRUCTION.

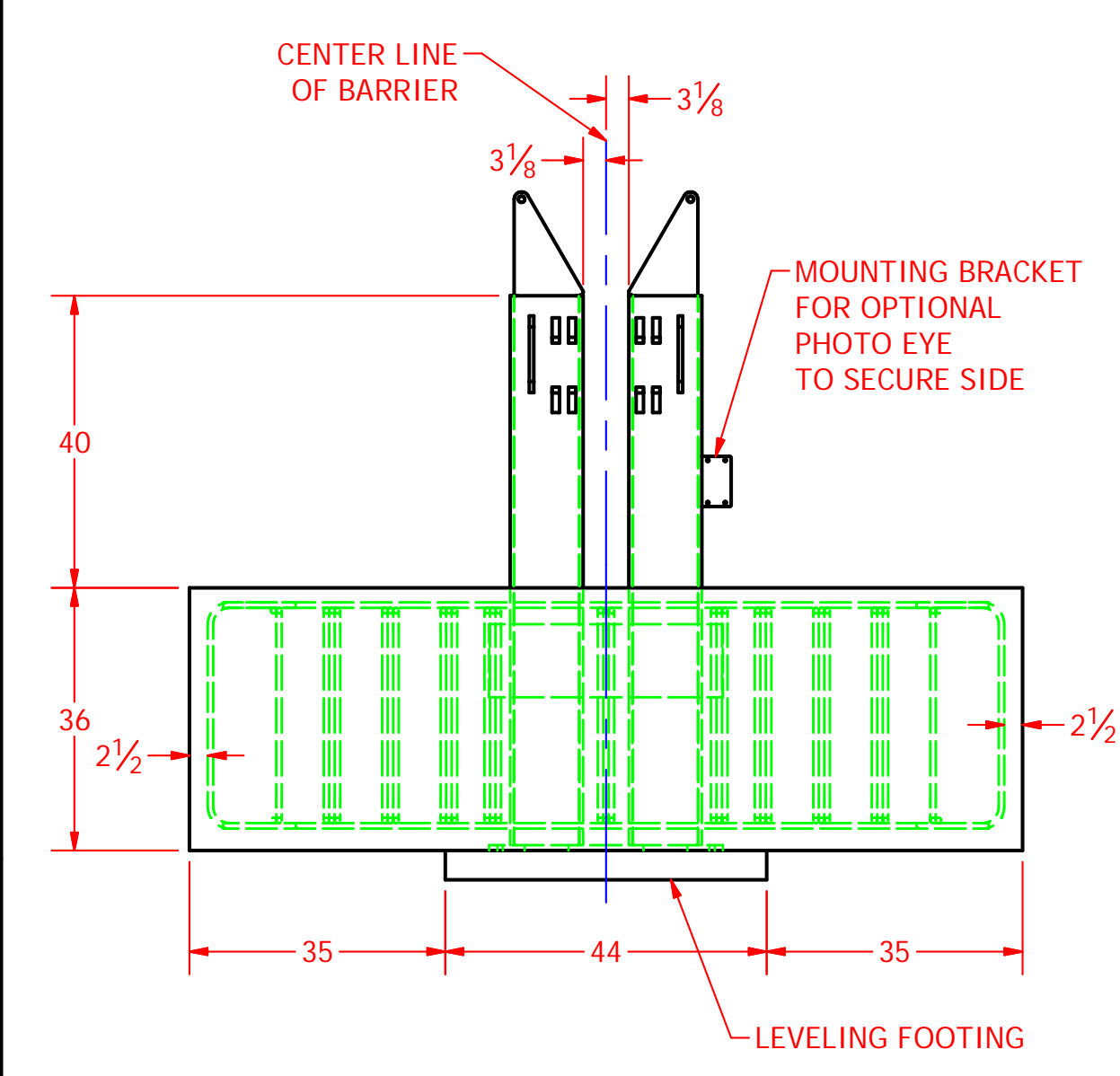
THE EARTH MAYBE USED FOR THE FORMS FOR SIDES.

STANDING WATER IN THE EXCAVATION SHALL BE REMOVED
PRIOR TO POURING THE FOUNDATION.

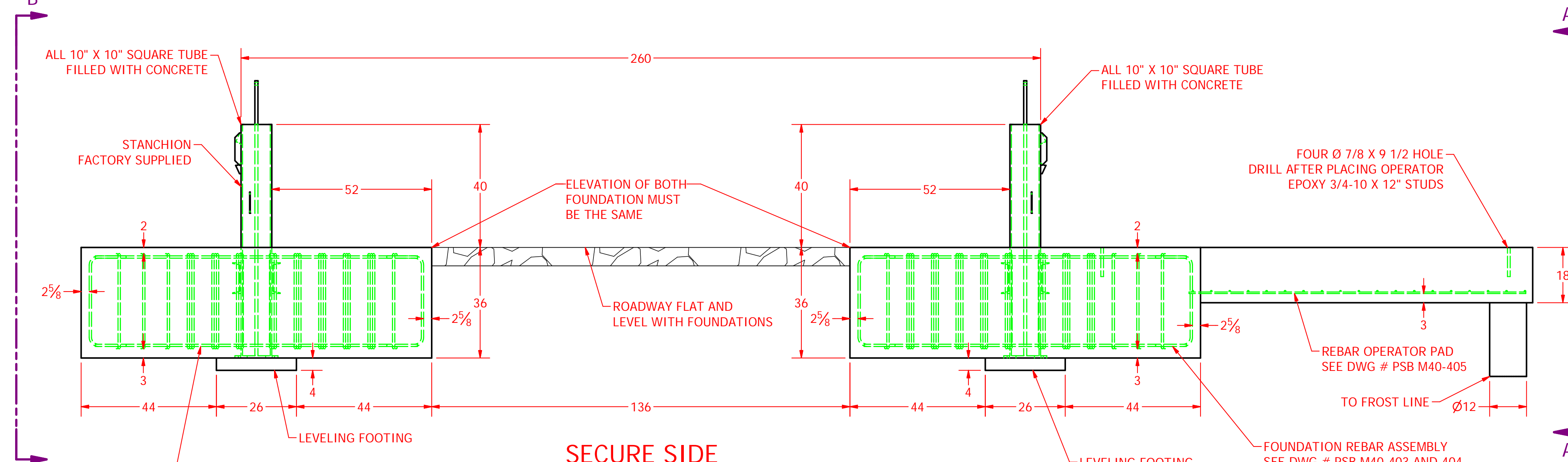
TOLERANCE ON BOLLARD PLACEMENT ± 1/16".



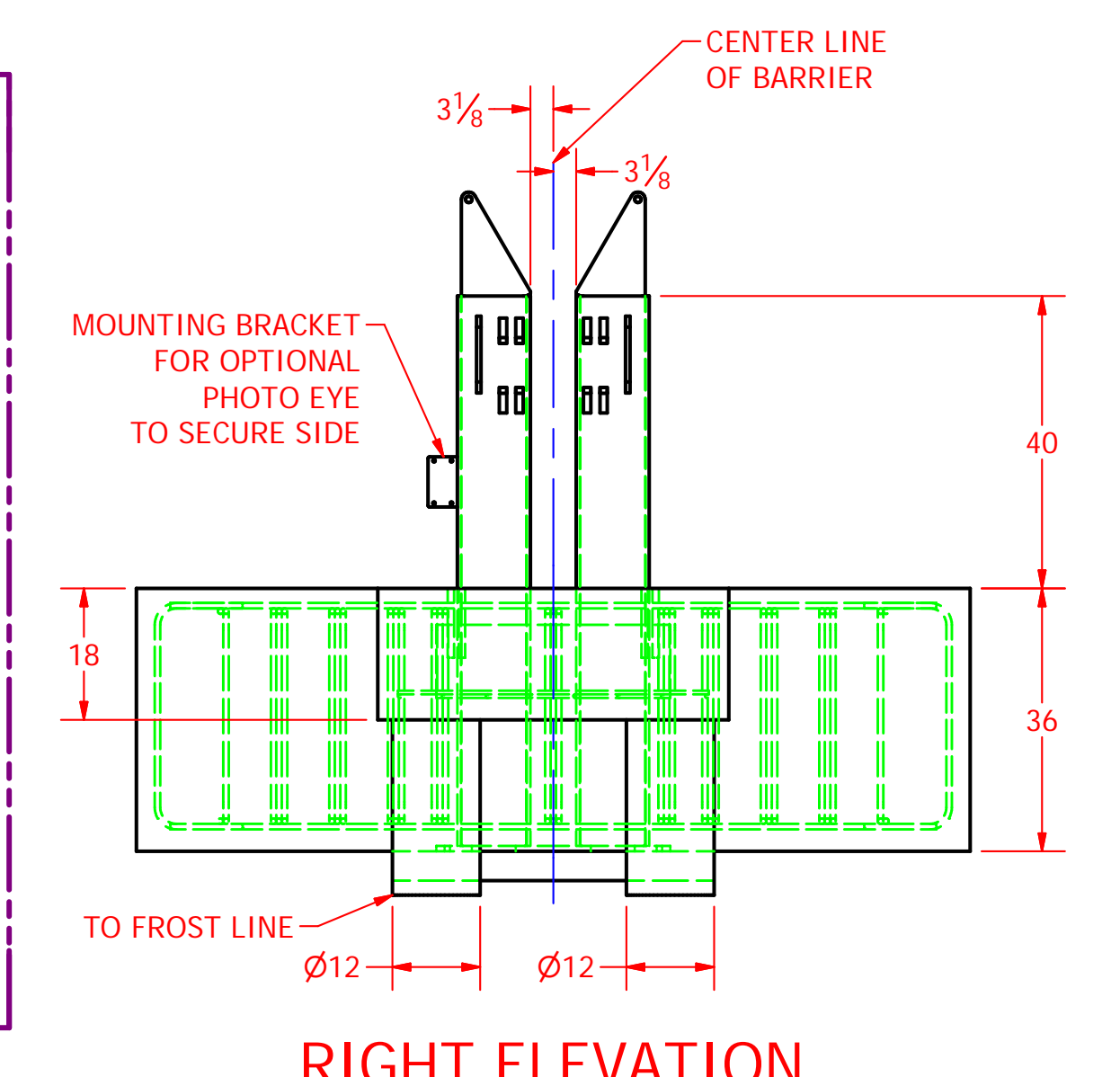
**SECURE SIDE
TOP ELEVATION**



**LEFT ELEVATION
VIEW B-B
SCALE 0.04 : 1**



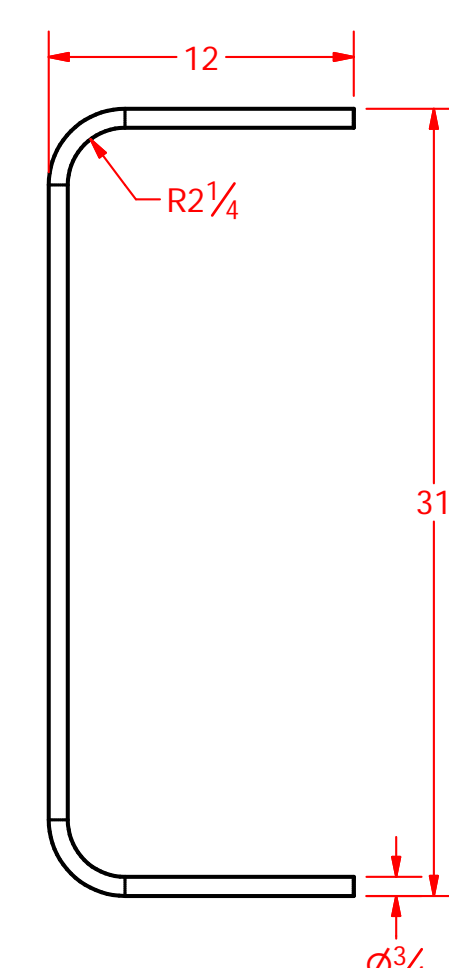
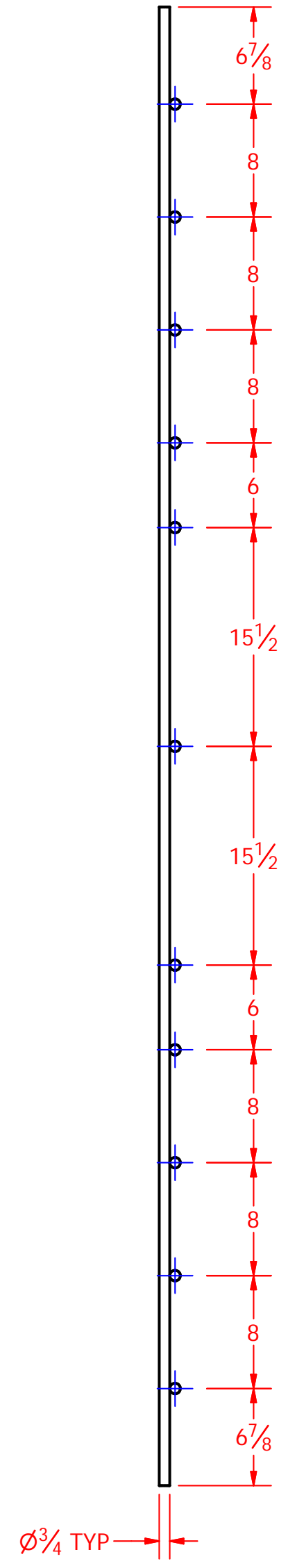
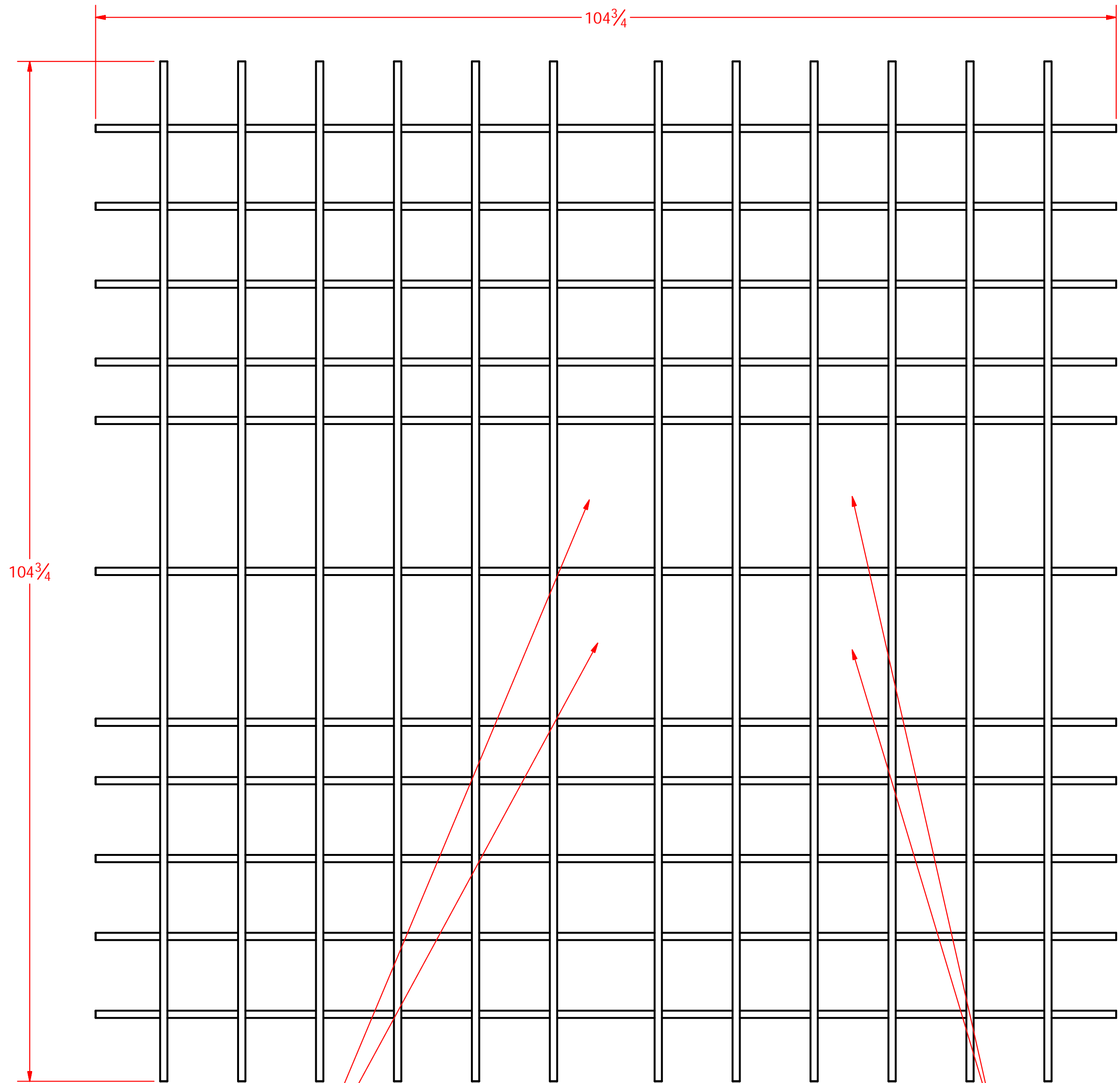
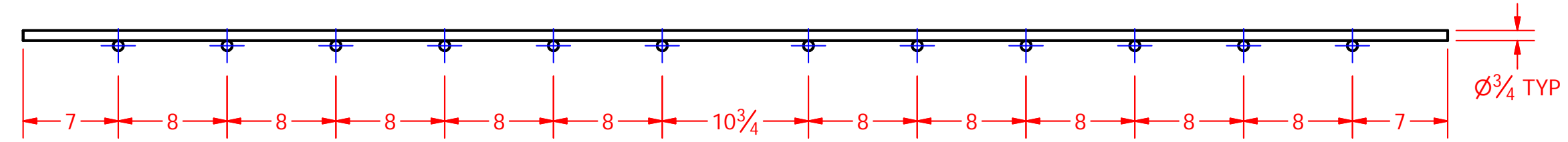
**SECURE SIDE
FRONT ELEVATION**



**RIGHT ELEVATION
VIEW A-A
SCALE 0.04 : 1**

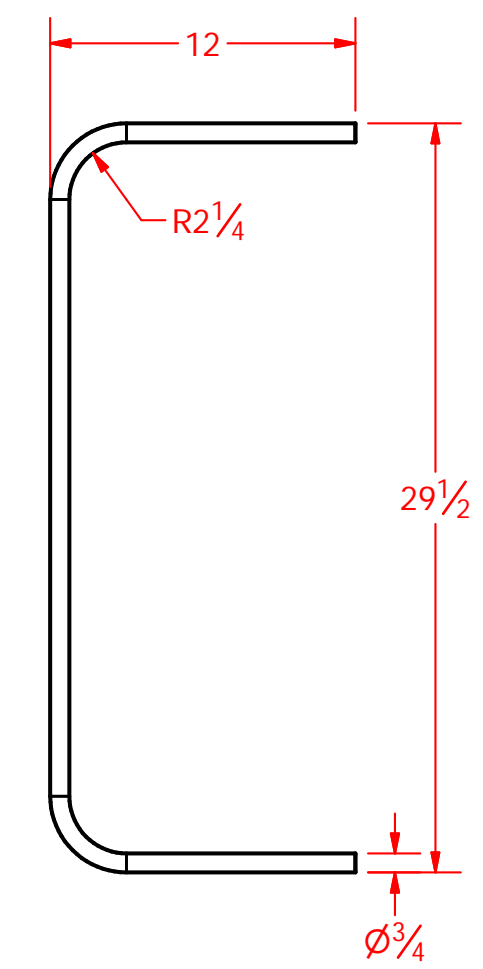
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		APPROVED		SIZE	DWG NO
		WEIGHT		D	PSB M40 - 402
		SCALE		SCALE	REV
					SHEET 2 OF 5



END STIRRUP
MAKE 44

PARTS LIST		
PART NUMBER	QTY	DESCRIPTION
STIRRUP END	44	REBAR #6 X 50 1/16 GRADE 60



SIDE STIRRUP
MAKE 48

PARTS LIST		
PART NUMBER	QTY	DESCRIPTION
STIRRUP SIDE	48	REBAR #6 X 48 9/16 GRADE 60

AREA FOR STANCHION

TOP AND BOTTOM
REBAR MATS MAKE FOUR
ASSEMBLE IN PLACE
AROUND STANCHIONS
SEE DWG # PSB M40-404

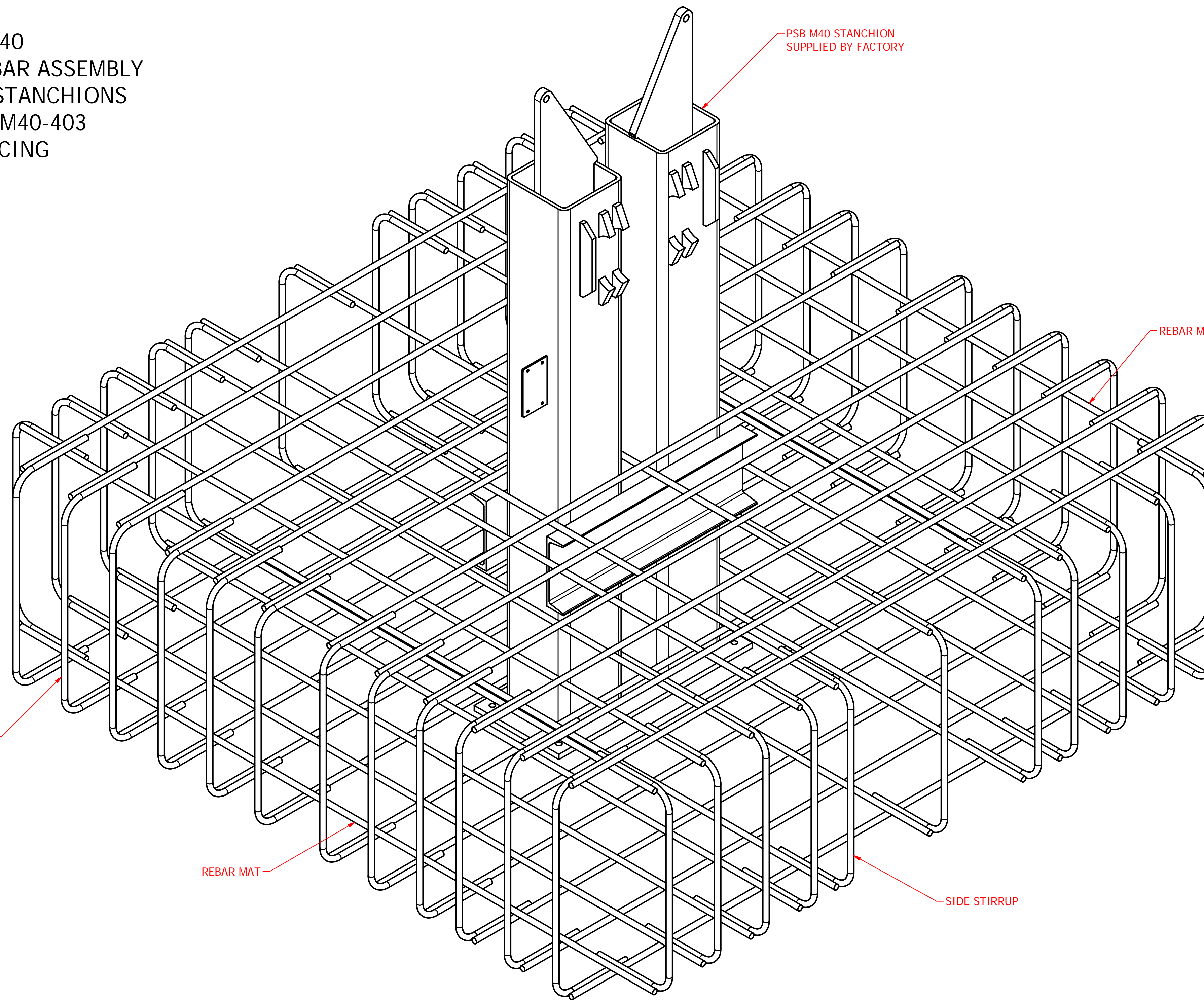
AREA FOR OPERATOR
ANCHOR BOLTS

PARTS LIST		
PART NUMBER	QTY	DESCRIPTION
REBAR #6	92	REBAR # 6 X 104 3/4 GRADE 60

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	MFG	APPROVED		SIZE D	DWG NO PSB M40 - 403
	WEIGHT N/A	SCALE			REV
					SHEET 3 OF 5

PSB M40
 FOUNDATION REBAR ASSEMBLY
 TYP FOR BOTH STANCHIONS
 SEE DWG # M40-403
 FOR SPACING



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	QA			TITLE	
	MFG			TILT-A-WAY PSB M40 REBAR ASSEMBLY	
	APPROVED			SIZE	DWG NO
	WEIGHT			D	PSB M40 - 404
	N/A			SCALE	REV
					SHEET 4 OF 5

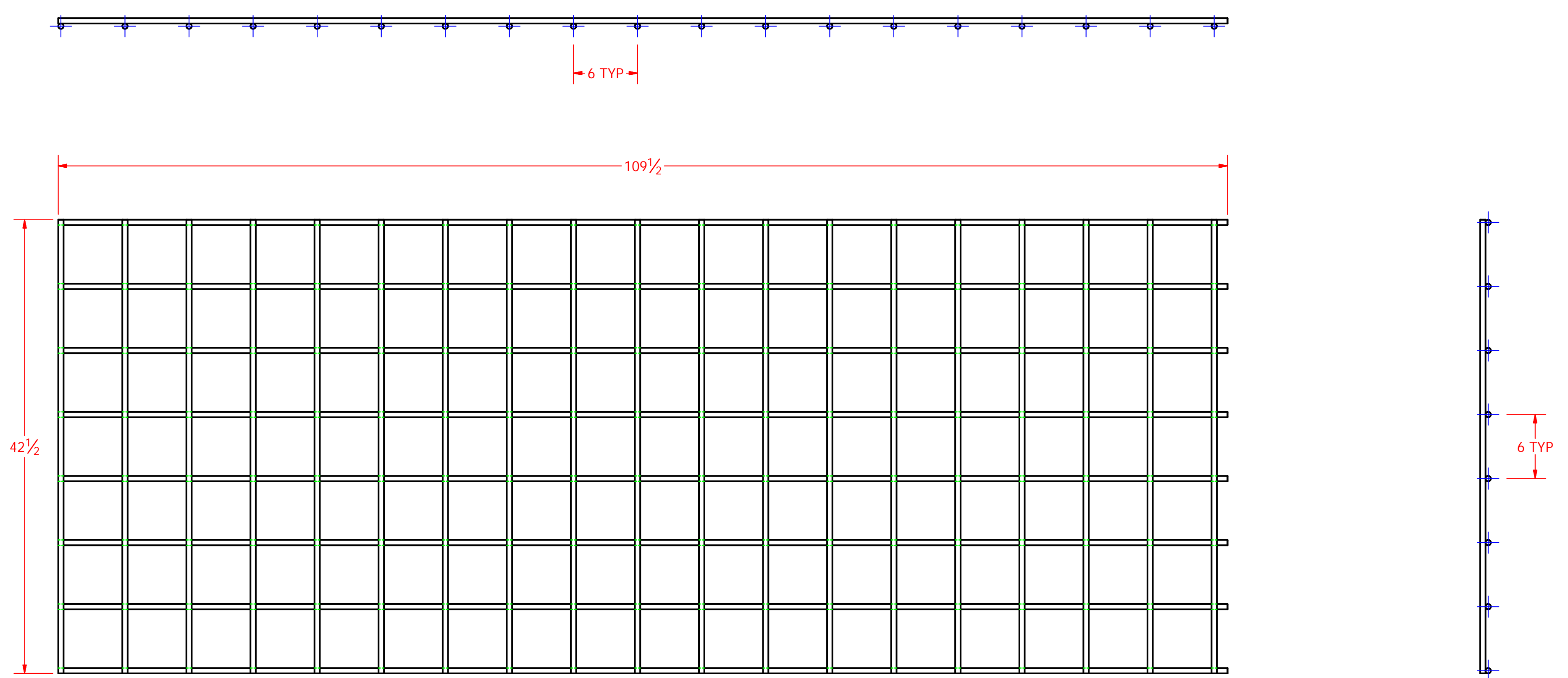
8 7 6 5 4 3 2 1

D

C

B

A



PSB M40
REBAR OPERATOR PAD
MAKE ONE

OPERATOR REBAR PARTS LIST		
PART NUMBER	QTY	DESCRIPTION
# 4 GRADE 40 REBAR	19	# 4 REBAR X 42 1/2
#4 GRADE 40 REBAR	8	# 4 R4EBAR X 109 1/2

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	MFG			REBAR OPERATOR PAD	
	APPROVED			SIZE D	DWG NO PSB M40 - 405
	WEIGHT N/A			SCALE	REV
				SHEET 5 OF 5	

8 7 6 5 4 3 2 1