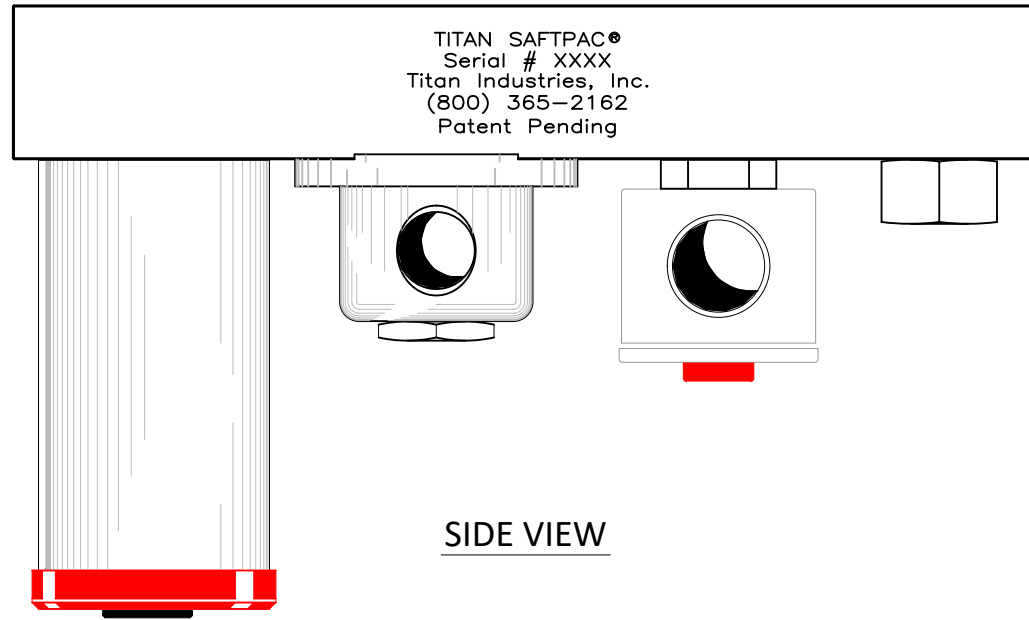
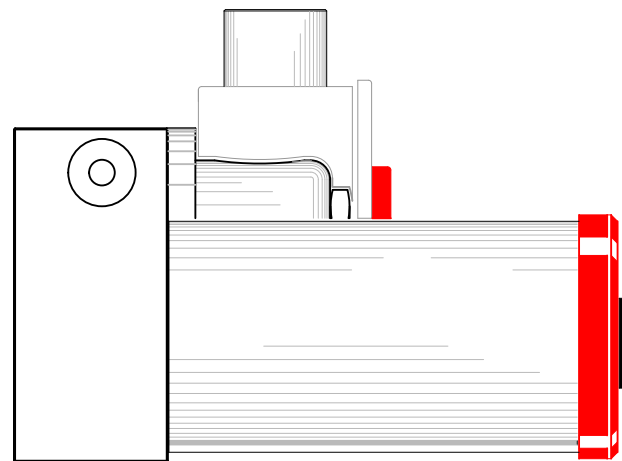


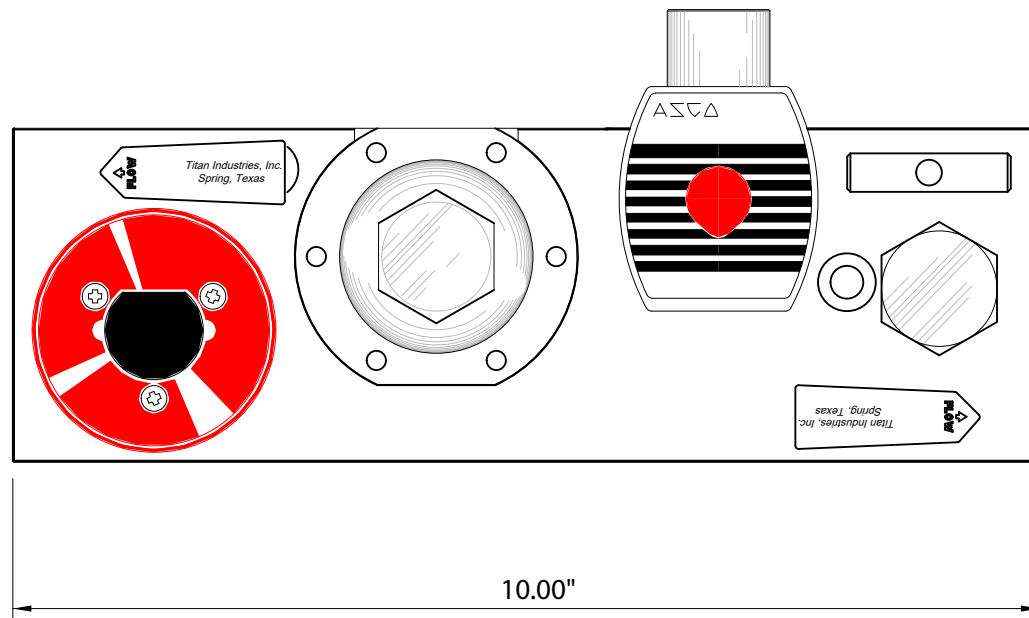
TITAN SAFTPAC®
 Serial # XXXX
 Titan Industries, Inc.
 (800) 365-2162
 Patent Pending



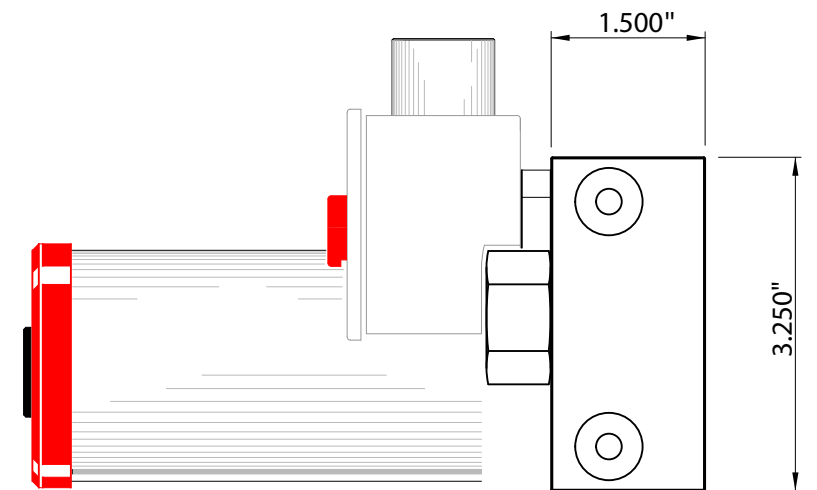
SIDE VIEW



LEFT END VIEW



TOP VIEW



RIGHT END VIEW



Titan Industries, Inc.

22335 GOSLING ROAD
 SPRING, TX 77389
 (281) 353-3600 FAX: (281) 353-6800

NEW SAF-T-PAC INJECTOR
 ASSEMBLY DRAWING

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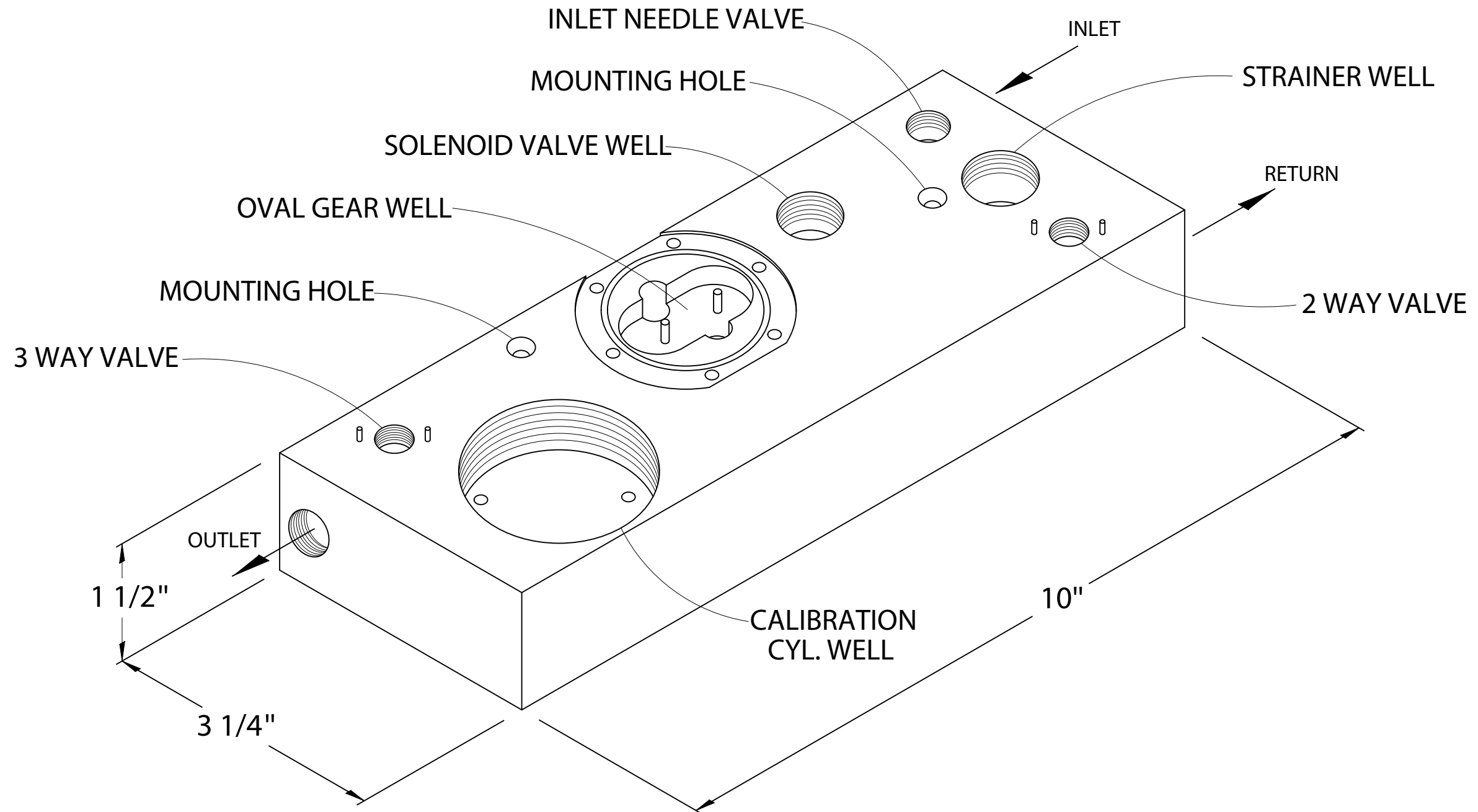
UNLESS OTHERWISE SPECIFIED
 TOLERANCES
 FRACT. = ± 0.125
 .XXX = ± 0.005
 .XX = ± 0.010
 .X = ± 0.100
 ANGLES = ± 0.500
 MATERIAL: MAT-FIN

ALL DIMENSIONS IN INCHES
 REMOVE SHARP EDGES 0.010
 FINISHES 125AA MAX
 CONCENTRICITY .005 T.I.R.
 GEOMETRIC TOLERANCE
 SYMBOLS PER ANSI Y 14
 FINISH: MAT-FIN

REV.	DATE	BY	DESCRIPTION

DRAWN BY:	
DATE:	
CHECKED BY:	
DATE:	
APPROVED BY:	
DATE:	
DRAWING SCALE:	PLOT SCALE:
1:1	1:12

CAD FILE NAME	DWG. NO.	DWG. SIZE	SHEET NO.	REV.
	20110510-0	C	1 OF 1	0



TI Titan Industries, Inc.
 22335 GOSLING ROAD
 SPRING, TX 77389
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 .X = ± 0.100
 ANGLES = ± 0.500
 MATERIAL: MAT-FIN

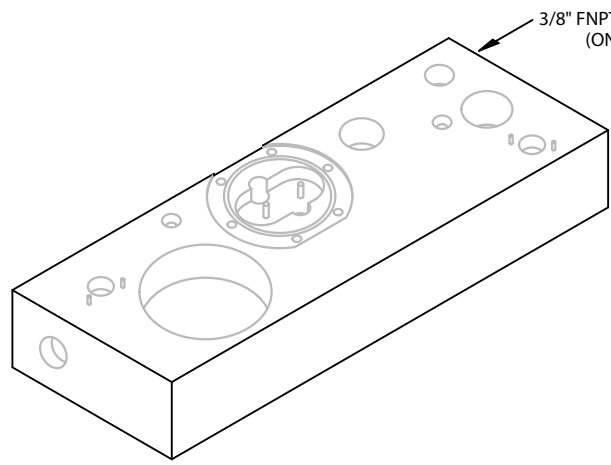
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 REMOVE SHARP EDGES 0.010
 FINISHES 125AA MAX
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 GEOMETRIC TOLERANCE
 SYMBOLS PER ANSI Y 14
 FINISH: MAT-FIN

REV.	DATE	BY	DESCRIPTION

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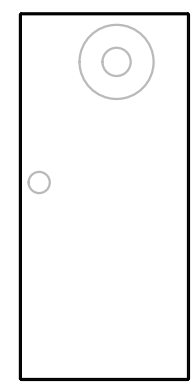
NEW ST. STL. SAF-T-PAC INJECTOR

CAD FILE NAME	DWG. NO. 20110524-0	DWG. SIZE C	SHEET NO. 1 OF 1	REV. 0
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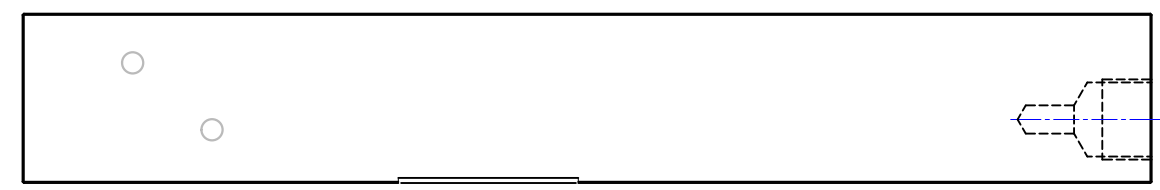


3/8" FNPT INLET CONNECTION
(ON RIGHT END)

OPENINGS LEGEND

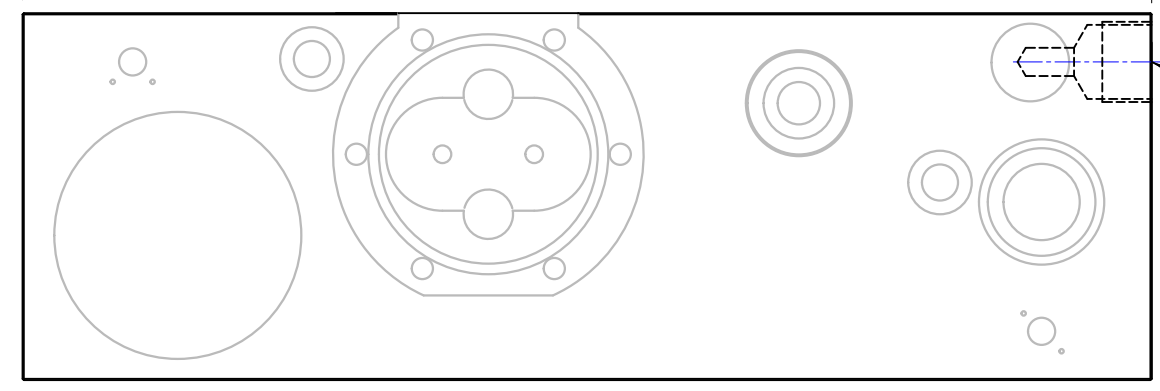


LEFT END VIEW



SIDE VIEW

10.00"

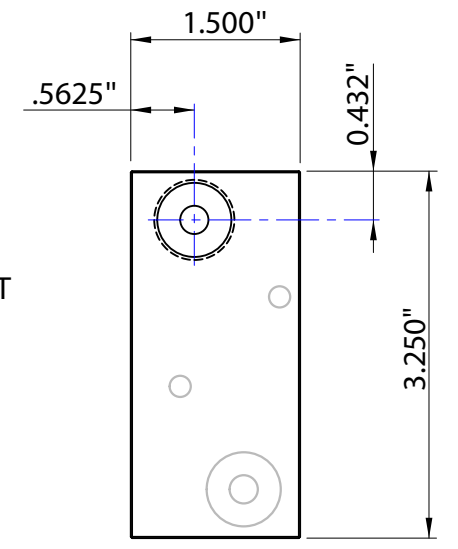


TOP VIEW

NOTES APPLY TO ALL TEN DRAWINGS:

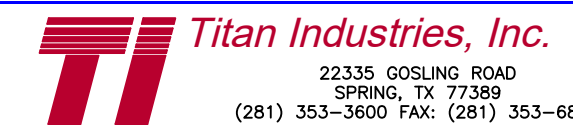
1. TUNNELS JOINING PORTS TO BE 3/16" DIA.
2. TUNNEL OPENINGS AT SIDE OR END OF BLOCK TO BE PLUGGED WITH Mc MASTER CARR P/N 24675K84 SEALING PLUGS.
3. BLOCK MATERIAL: 6061-T651.
4. .010 RADIUS OR .010 x 45° CHAMFER OR FILLET TO BE PROVIDED AT ALL EDGES OF BLOCK UNO.

.250" DRILL x 1.1875" DP
DRILL & TAP FOR .375" FNPT INLET



RIGHT END VIEW

LIQUID INLET DETAILS.....SHT 1 OF 10



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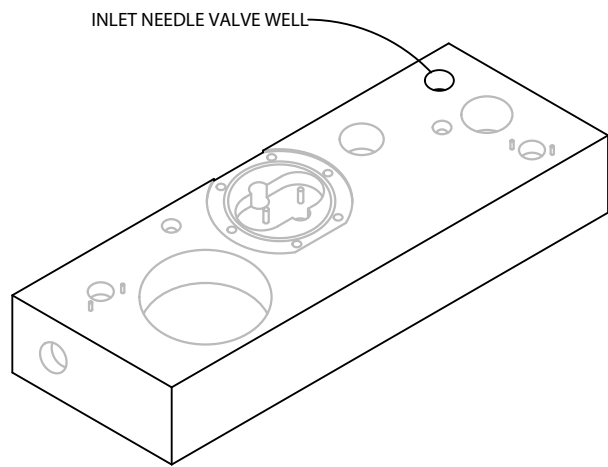
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TOLERANCES
FRACT. = ± 0.125
.XXX = ± 0.005
.XX = ± 0.010
.X = ± 0.100
ANGLES = ± 0.500
MATERIAL: MAT-FIN

ALL DIMENSIONS IN INCHES
REMOVE SHARP EDGES 0.010
FINISHES 125AA MAX
CONCENTRICITY .005 T.I.R.
GEOMETRIC TOLERANCE
SYMBOLS PER ANSI Y 14
FINISH: MAT-FIN

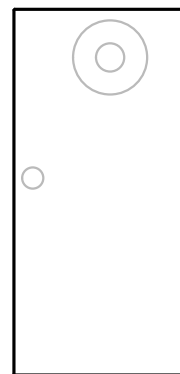
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DATE:	
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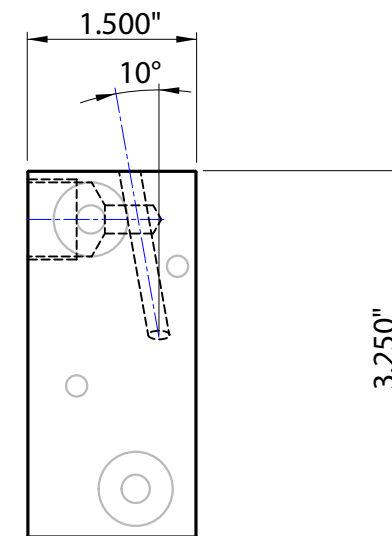
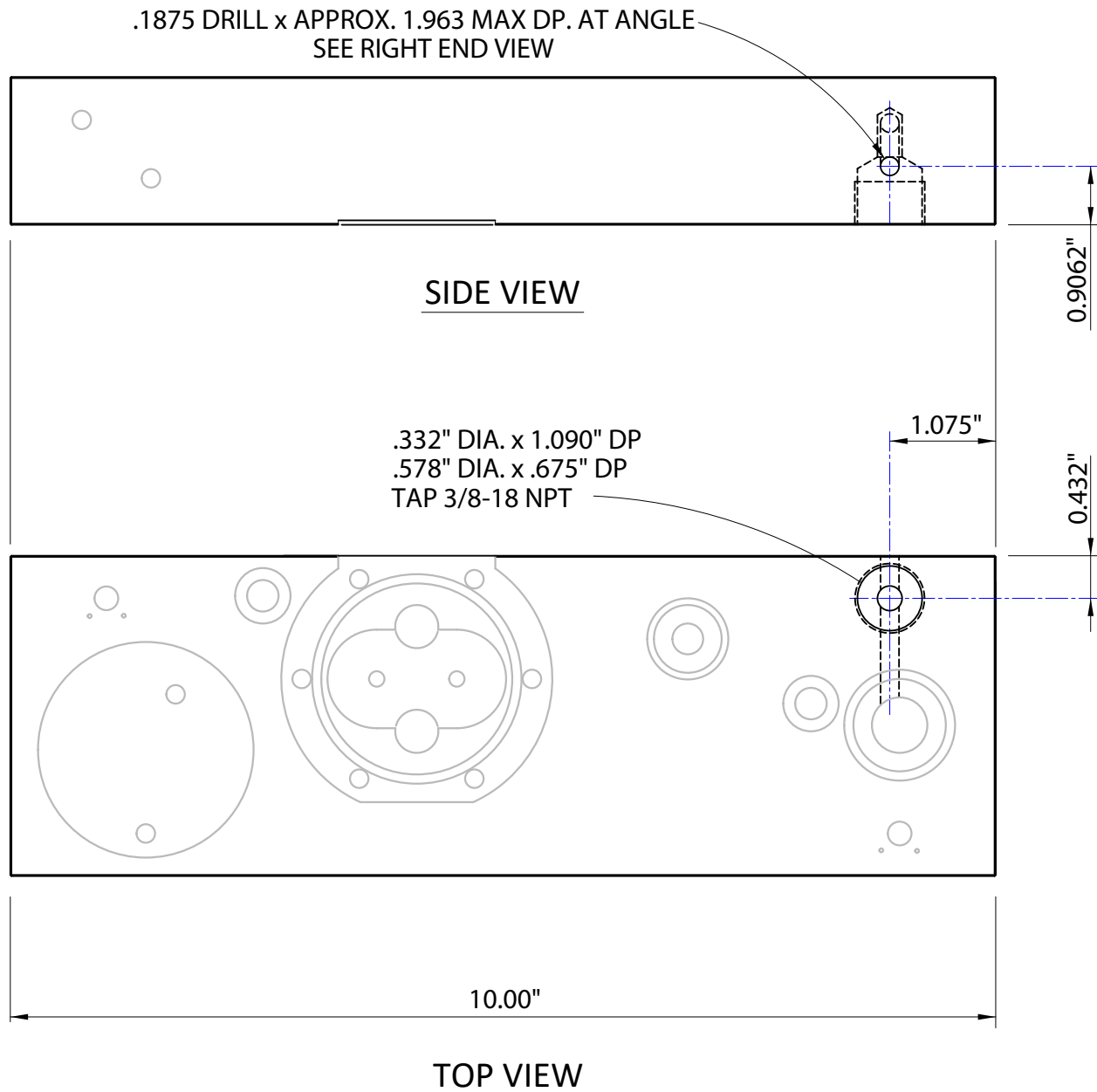
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CAD FILE NAME	DWG. NO.	DWG. SIZE	SHEET NO.	REV.
	20110510-0	C	1 OF 10	0



OPENINGS LEGEND

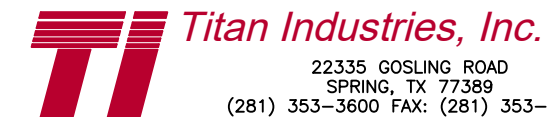


LEFT END VIEW



RIGHT END VIEW

INLET NEEDLE VALVE DETAILS.....SHT 2 OF 10



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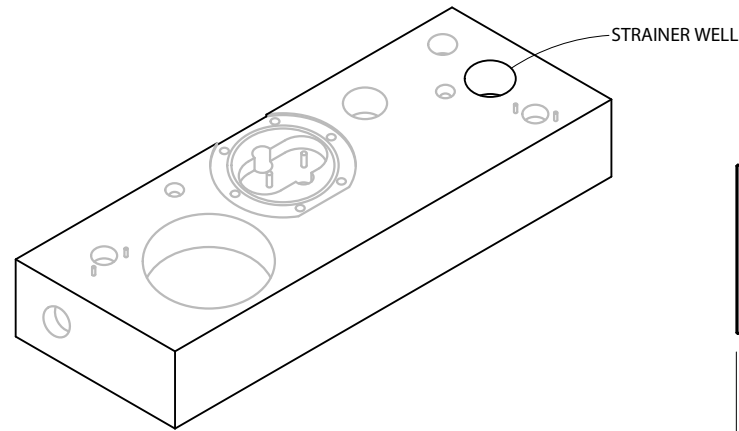
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 .X = ± 0.100
 ANGLES = ± 0.500
 MATERIAL: MAT-FIN

ALL DIMENSIONS IN INCHES
 REMOVE SHARP EDGES 0.010
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 CONCENTRICITY .005 T.I.R.
 GEOMETRIC TOLERANCE
 SYMBOLS PER ANSI Y 14
 FINISH: MAT-FIN

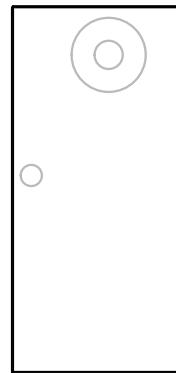
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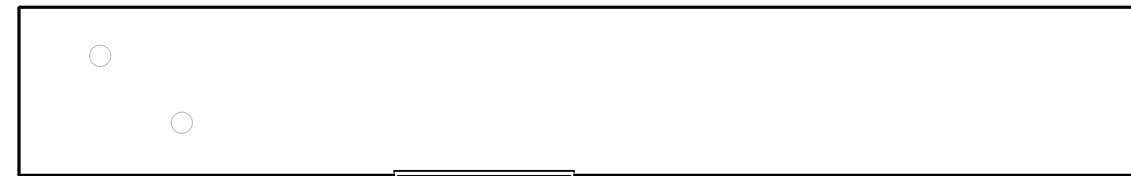
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CAD FILE NAME	DWG. NO.	DWG. SIZE	SHEET NO.	REV.
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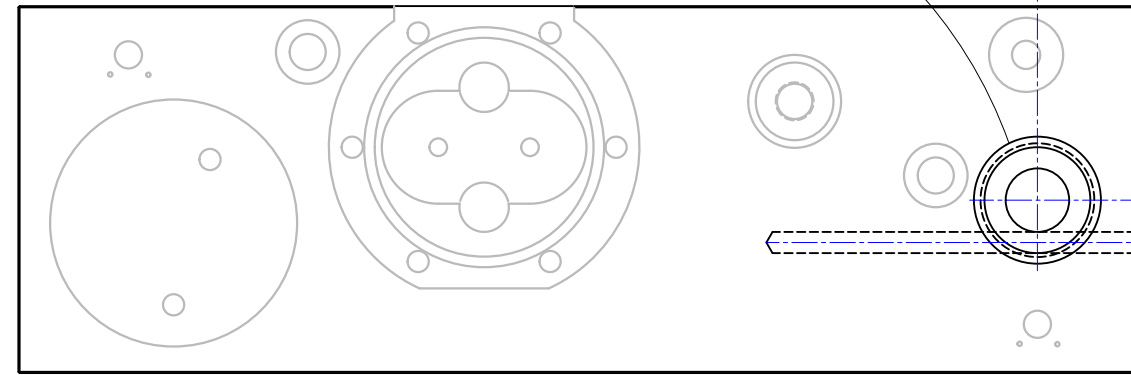
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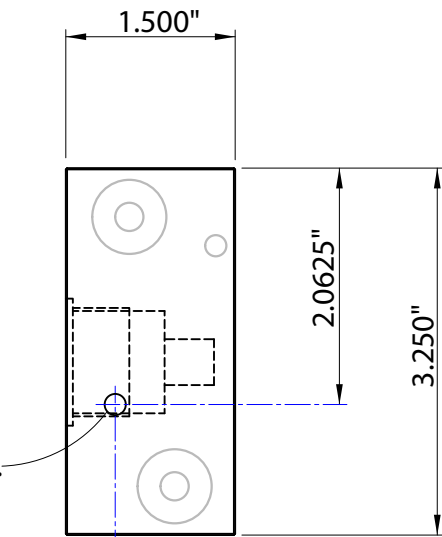
LEFT END VIEW



SIDE VIEW



TOP VIEW



RIGHT END VIEW

.594 DIA x 1.35 DP
 .625 DIA x 1.00 DP
 1.115 DIA C/B x .070 DP
 .890 DIA x .875 DP
 15/16-20 x .575 DP

0.975"

1.71875"

.1875 DRILL x 3.400 DP.

1.500"

2.0625"

3.250"

0.53125"

STRAINER WELL DETAILS.....SHT 3 OF 10



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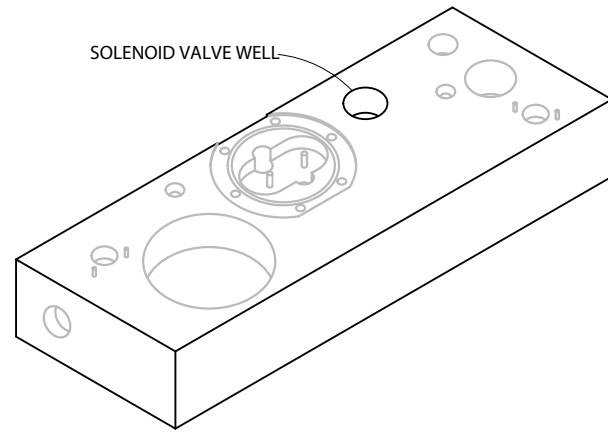
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TOLERANCES
 FRACT. = ± 0.125
 .XXX = ± 0.005
 .XX = ± 0.010
 .X = ± 0.100
 ANGLES = ± 0.500
 MATERIAL: MAT-FIN

ALL DIMENSIONS IN INCHES
 REMOVE SHARP EDGES 0.010
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 CONCENTRICITY .005 T.I.R.
 GEOMETRIC TOLERANCE
 SYMBOLS PER ANSI Y 14
 FINISH: MAT-FIN

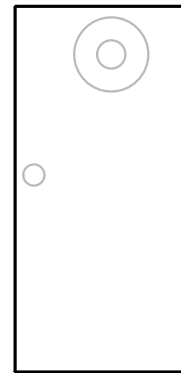
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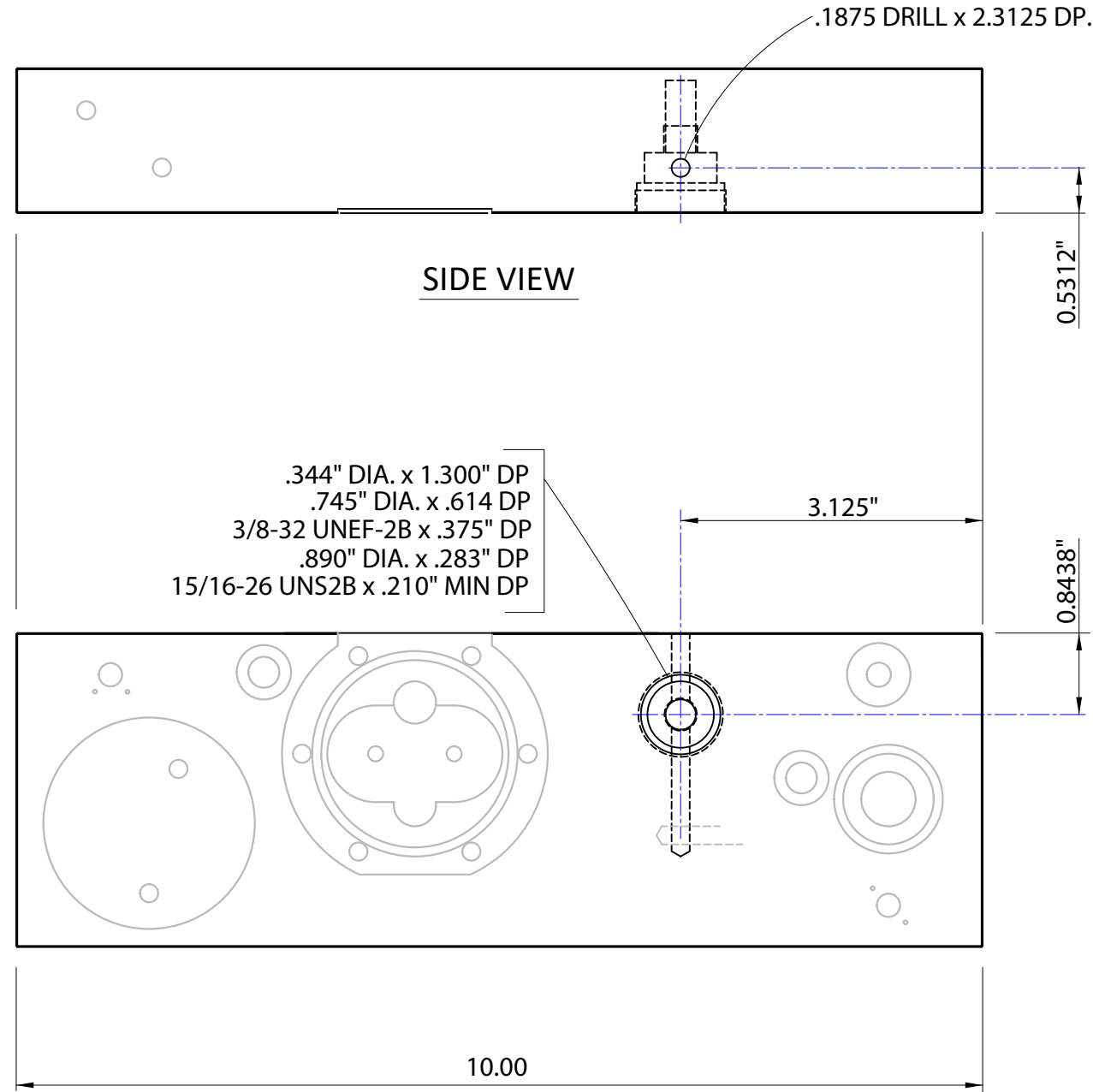
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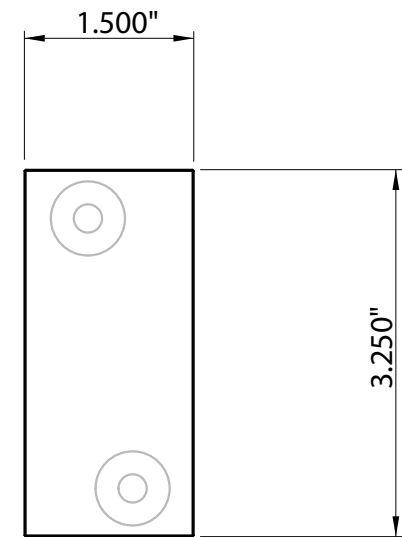


LEFT END VIEW



SIDE VIEW

TOP VIEW



RIGHT END VIEW

SOLENOID VALVE DETAILS.....SHT 4 OF 10



NEW ST. STL. SAF-T-PAC INJECTOR
 MACHINE DRAWING

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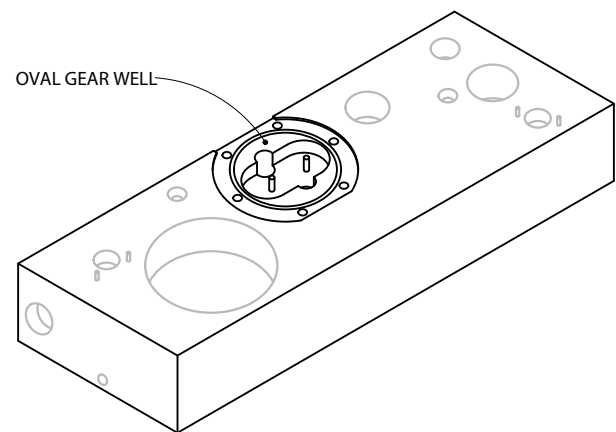
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 ANGLES = ± 0.500
 MATERIAL: MAT-FIN

ALL DIMENSIONS IN INCHES
 REMOVE SHARP EDGES 0.010
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 CONCENTRICITY .005 T.I.R.
 GEOMETRIC TOLERANCE
 SYMBOLS PER ANSI Y 14
 FINISH: MAT-FIN

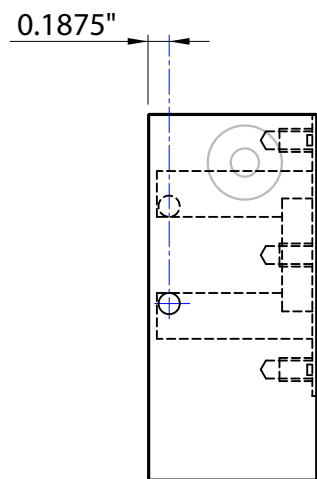
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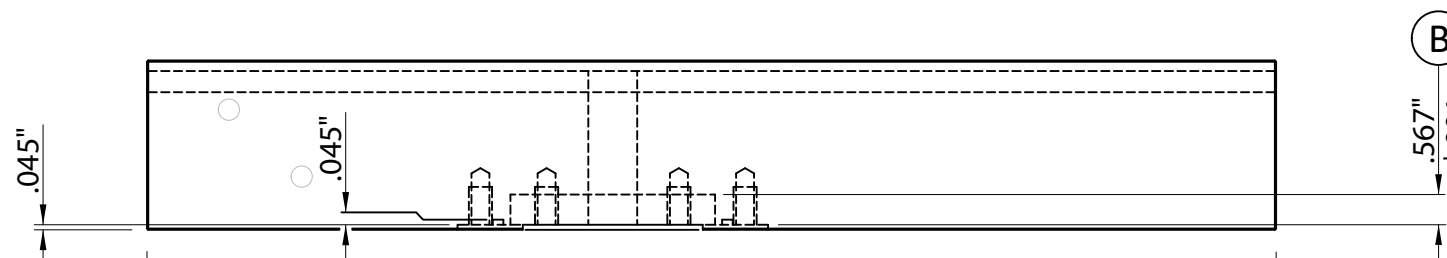
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OPENINGS LEGEND



LEFT END VIEW

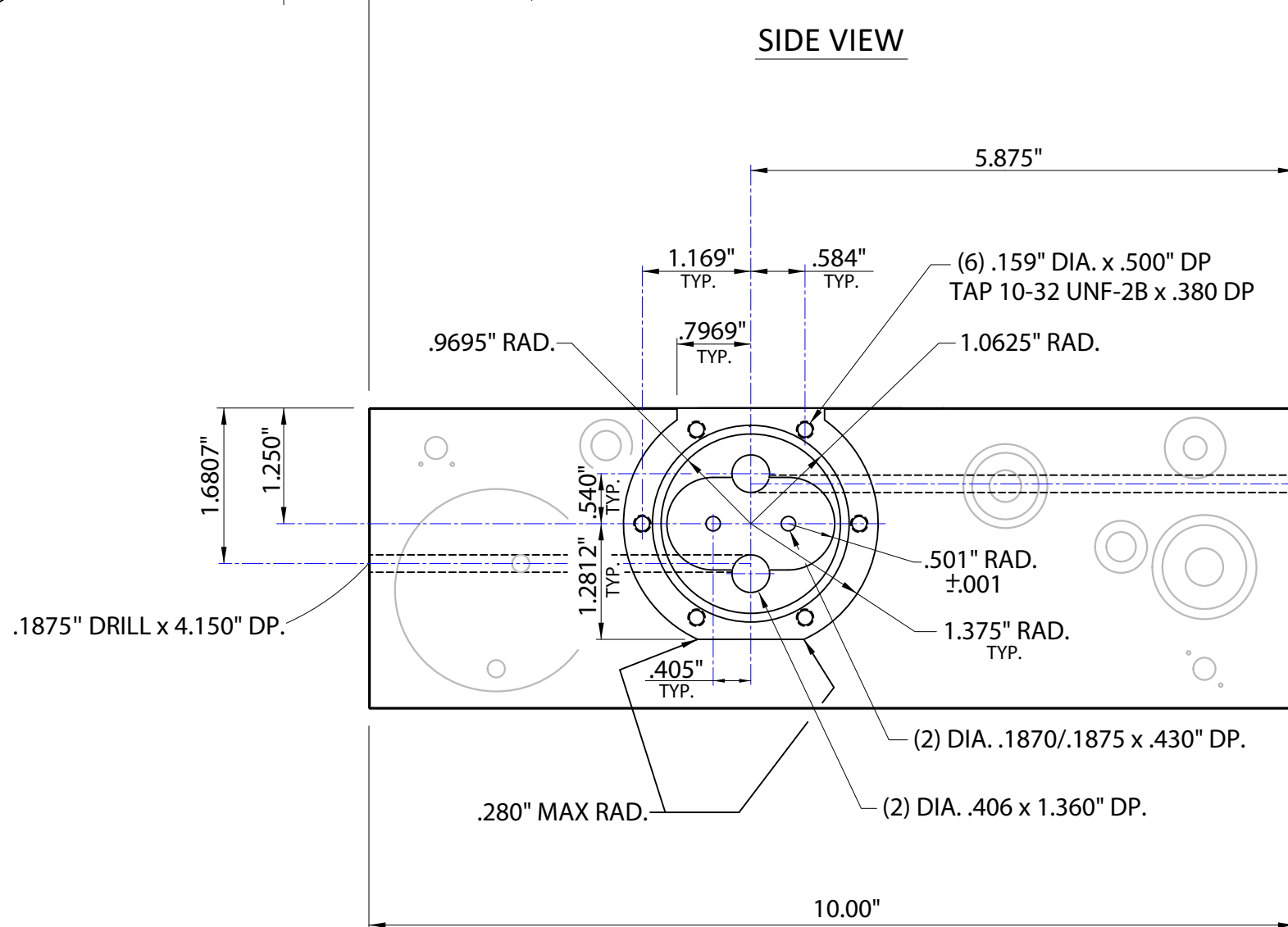


SIDE VIEW

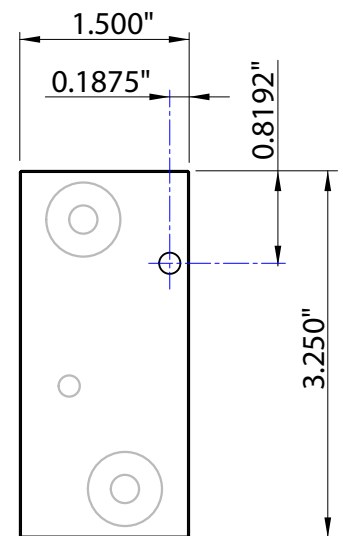
B

.567"
±.001

DIM. IS FROM
.045 DP AREA



TOP VIEW



RIGHT END VIEW

OVAL GEAR WELL DETAILS.....SHT 5 OF 10



Titan Industries, Inc.

22335 GOSLING ROAD
SPRING, TX 77389
(281) 353-3600 FAX: (281) 353-6800

NEW ST. STL. SAF-T-PAC INJECTOR
MACHINE DRAWING

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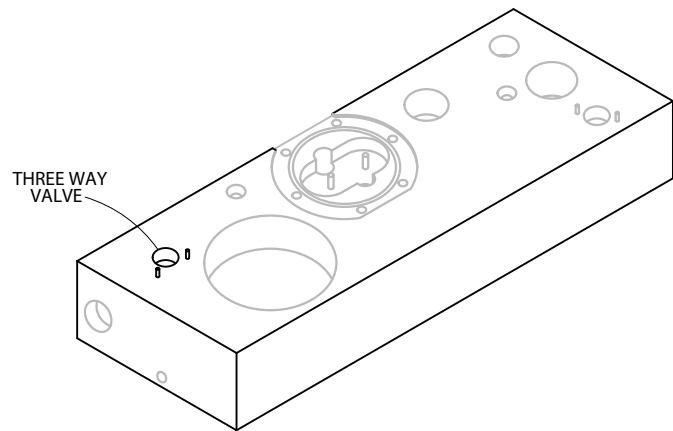
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.X = ± 0.100
ANGLES = ± 0.500
MATERIAL: MAT-FIN

ALL DIMENSIONS IN INCHES
REMOVE SHARP EDGES 0.010
FINISHES 125AA MAX
CONCENTRICITY .005 T.I.R.
GEOMETRIC TOLERANCE
SYMBOLS PER ANSI Y 14
FINISH: MAT-FIN

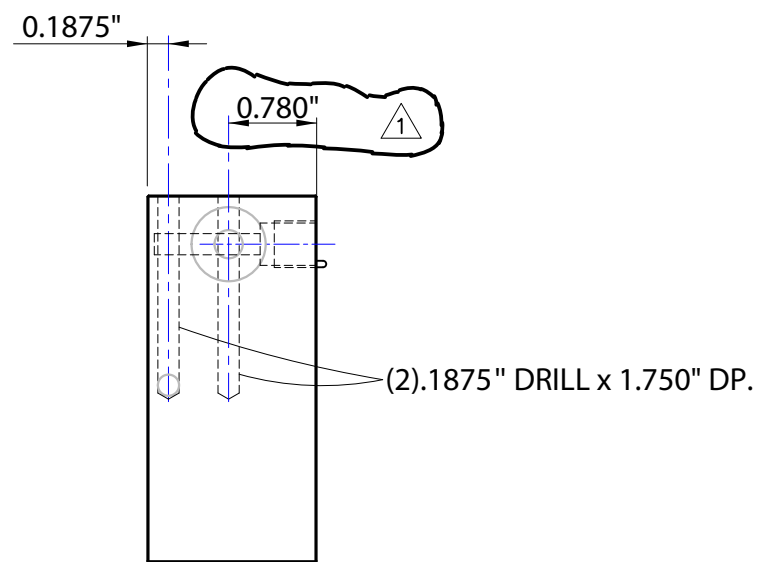
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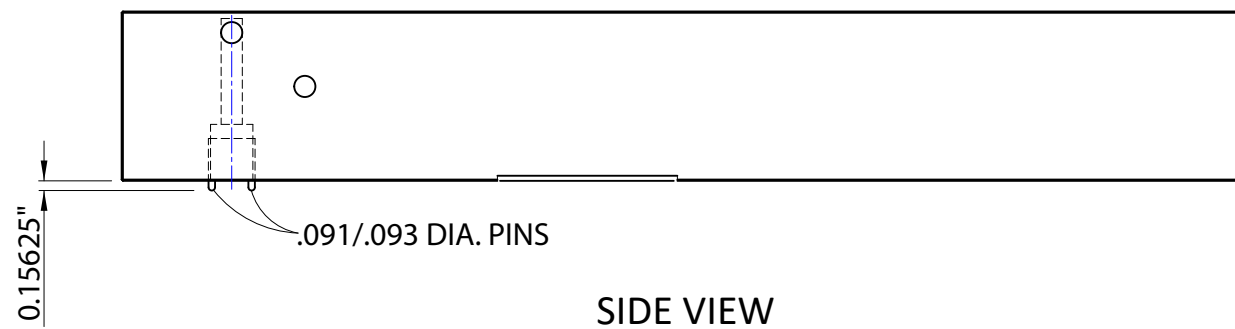
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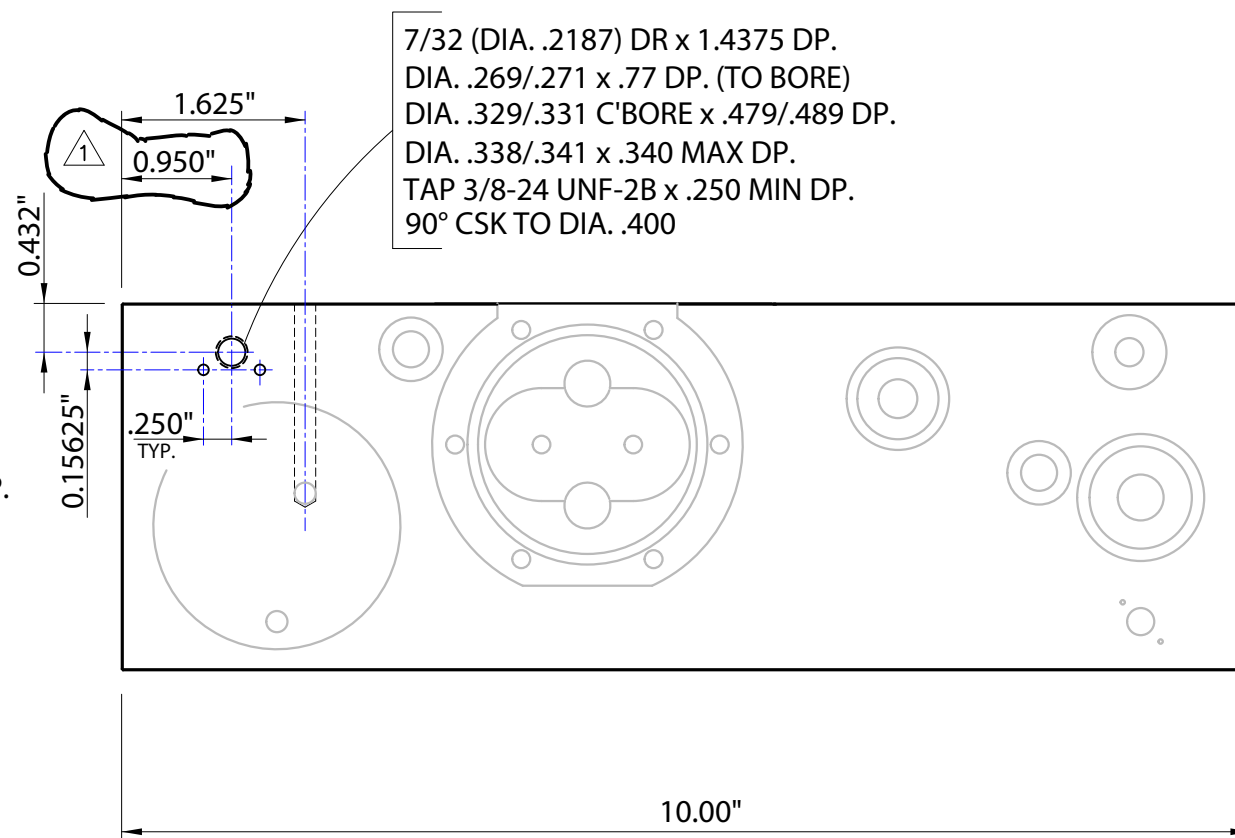
OPENINGS LEGEND



LEFT END VIEW

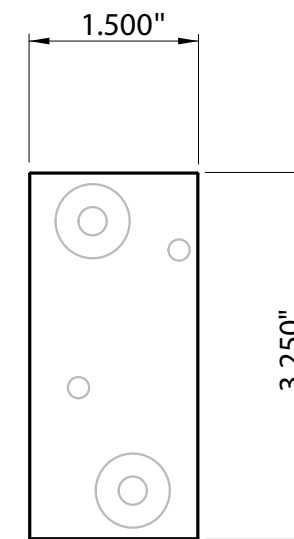


SIDE VIEW



TOP VIEW

7/32 (DIA. .2187) DR x 1.4375 DP.
 DIA. .269/.271 x .77 DP. (TO BORE)
 DIA. .329/.331 C'BORE x .479/.489 DP.
 DIA. .338/.341 x .340 MAX DP.
 TAP 3/8-24 UNF-2B x .250 MIN DP.
 90° CSK TO DIA. .400



RIGHT END VIEW

THREE WAY VALVE DETAILS.....SHT 6 OF 10



Titan Industries, Inc.

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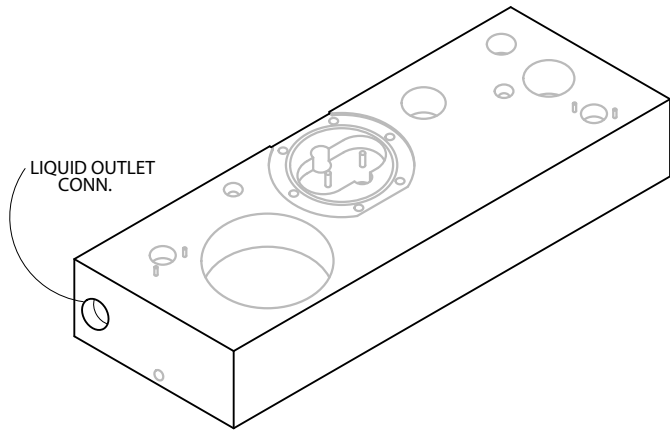
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 TOLERANCES
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 .XX = ± 0.010
 .X = ± 0.100
 ANGLES = ± 0.500
 MATERIAL: MAT-FIN

ALL DIMENSIONS IN INCHES
 REMOVE SHARP EDGES 0.010
 FINISHES 125AA MAX
 CONCENTRICITY .005 T.I.R.
 GEOMETRIC TOLERANCE
 SYMBOLS PER ANSI Y 14
 FINISH: MAT-FIN

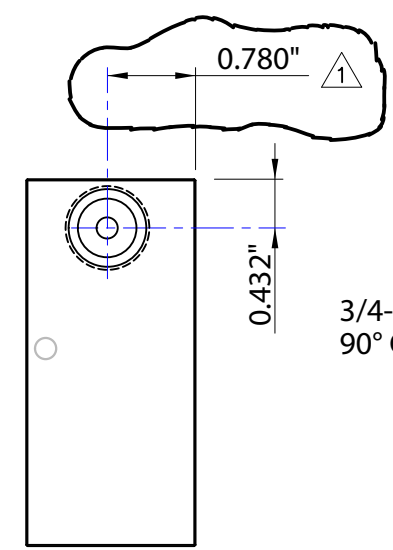
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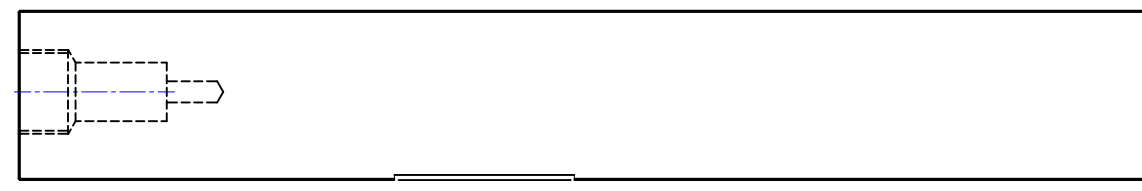
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CAD FILE NAME	DWG. NO.	DWG. SIZE	SHEET NO.	REV.
	20110510-0	C	6 OF 10	1



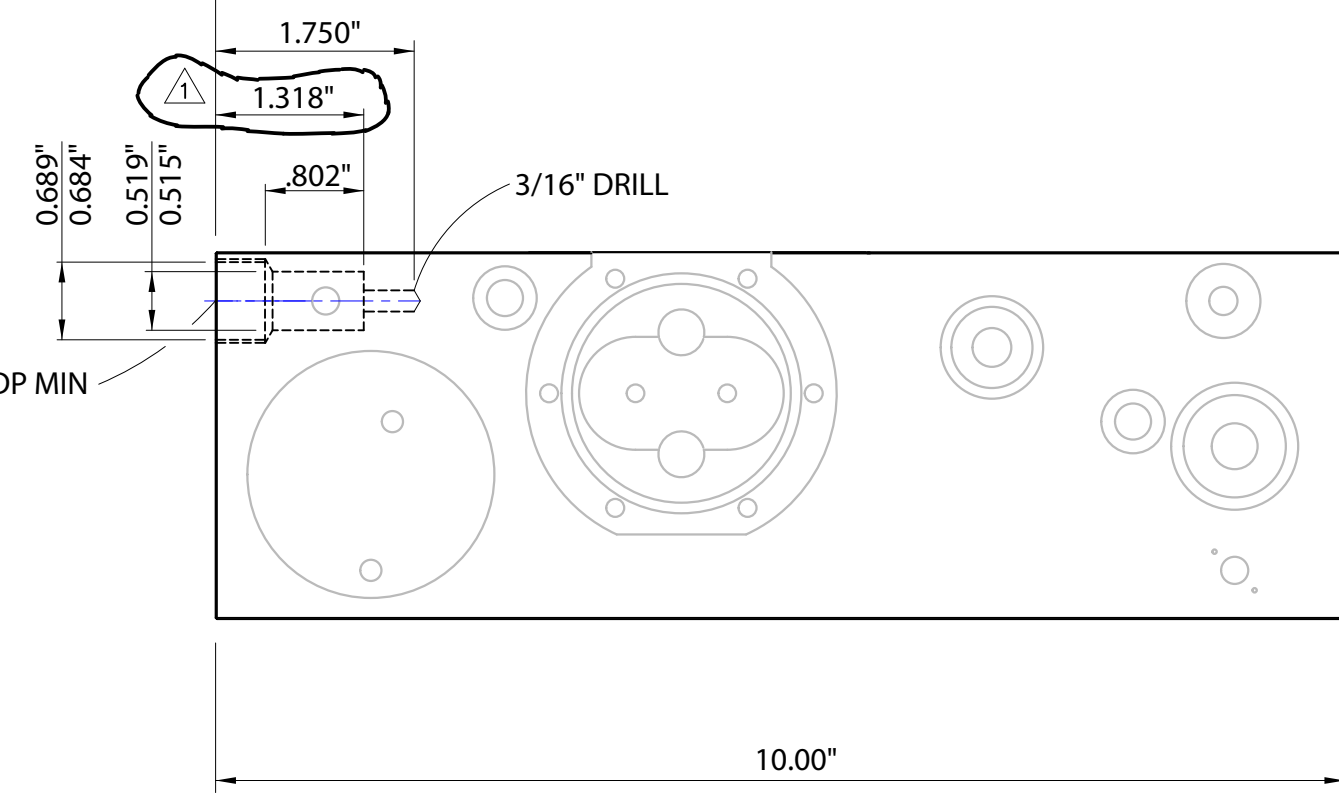
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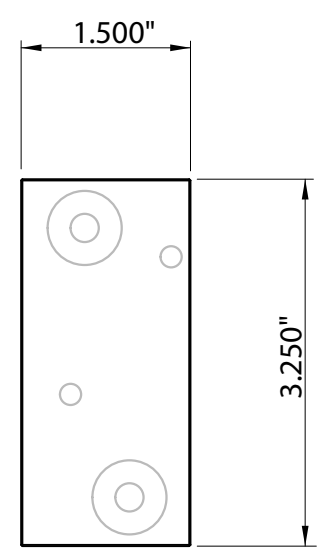
LEFT END VIEW



SIDE VIEW



TOP VIEW

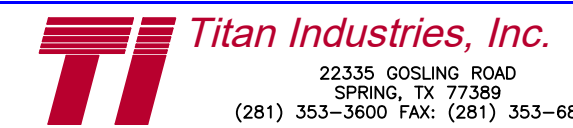


RIGHT END VIEW

3/4-16 UNF-2B x .406 DP MIN
90° CSK x .780" DIA.

3/16" DRILL

LIQUID OUTLET DETAILS.....SHT 7 OF 10



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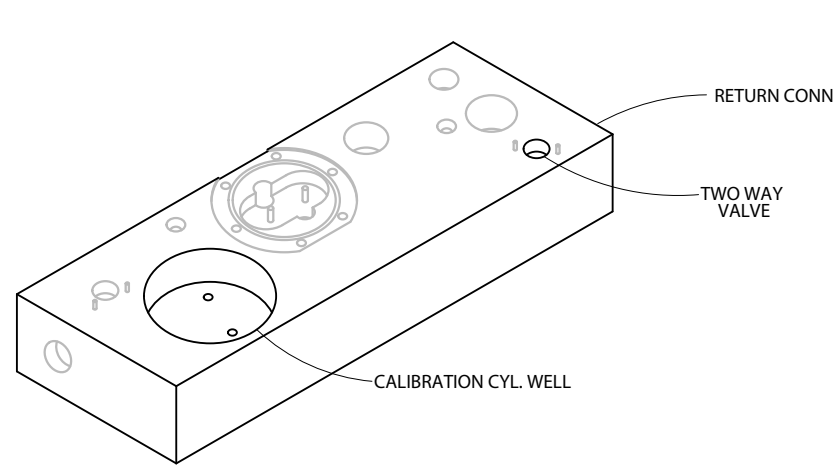
UNLESS OTHERWISE SPECIFIED
TOLERANCES
FRACT. = ± 0.125
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.XX = ± 0.010
.X = ± 0.100
ANGLES = ± 0.500
MATERIAL: MAT-FIN

ALL DIMENSIONS IN INCHES
REMOVE SHARP EDGES 0.010
FINISHES 125AA MAX
CONCENTRICITY .005 T.I.R.
GEOMETRIC TOLERANCE
SYMBOLS PER ANSI Y 14
FINISH: MAT-FIN

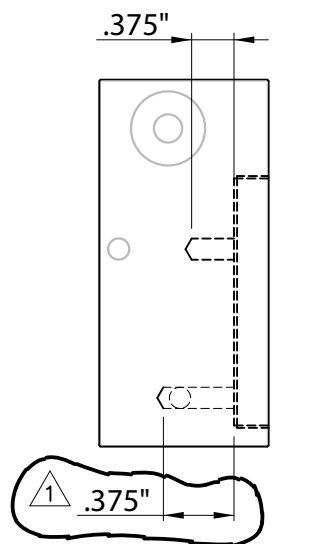
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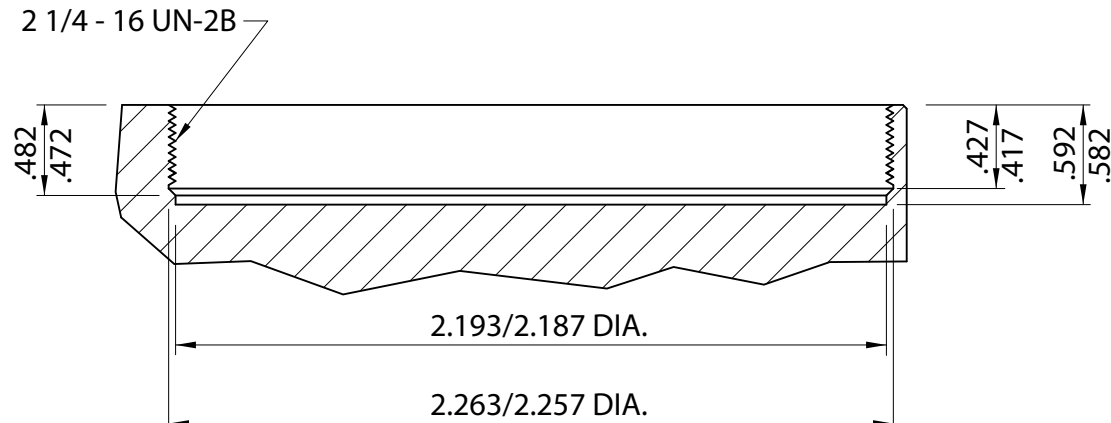
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OPENINGS LEGEND

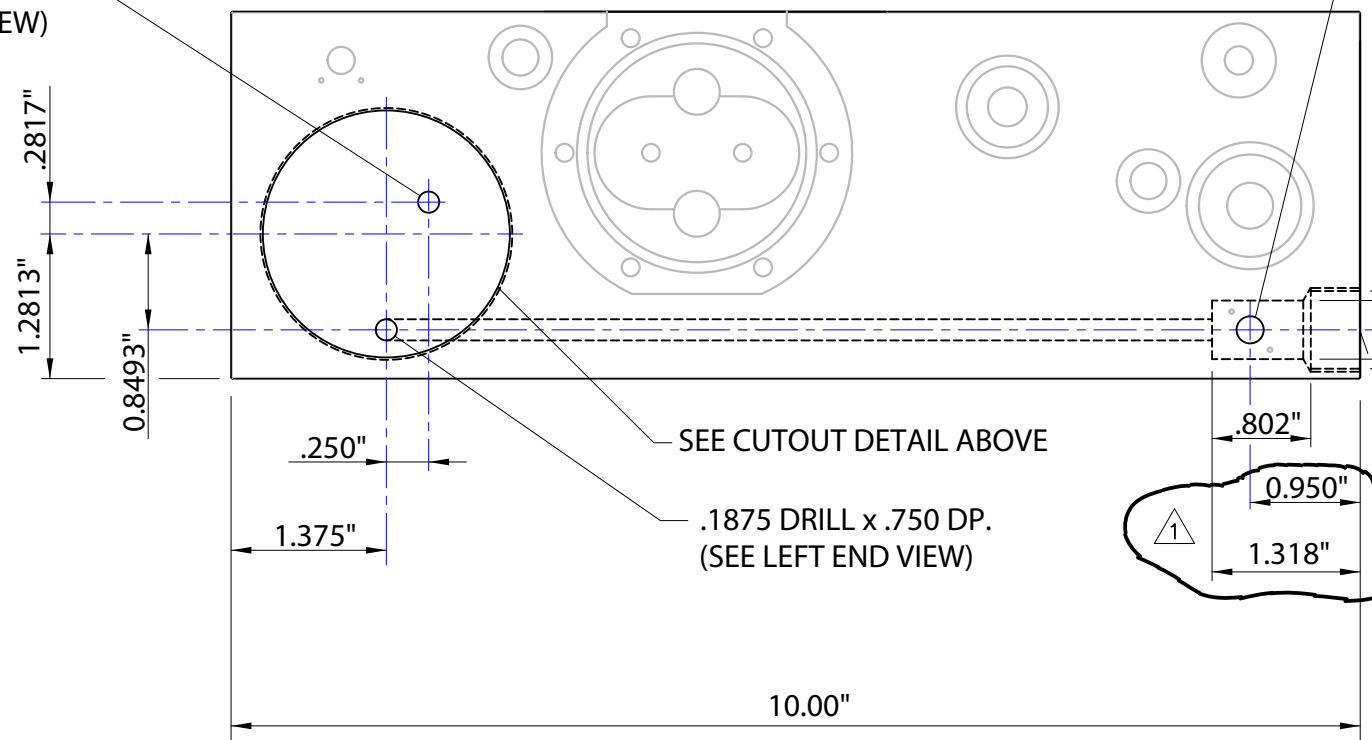


LEFT END VIEW

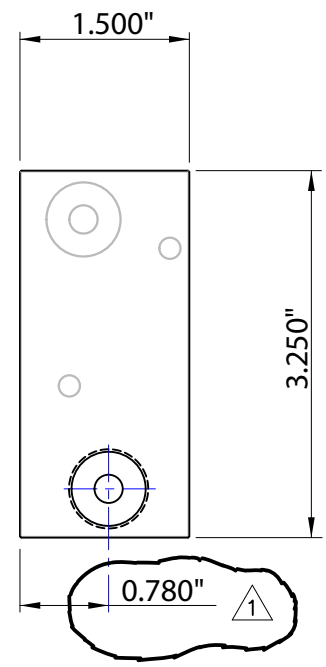


CUTOUT DETAIL

.1875 DRILL x .375 DP.
(SEE LEFT END VIEW)



TOP VIEW



RIGHT END VIEW

TWO WAY VALVE, CALIBRATION WELL & RETURN CONN. DETAILS.....SHT 8 OF 10

TI Titan Industries, Inc.
22335 GOSLING ROAD
SPRING, TX 77389
(281) 353-3600 FAX: (281) 353-6800

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UNLESS OTHERWISE SPECIFIED
TOLERANCES
FRACT. = ± 0.125
.XXX = ± 0.005
.XX = ± 0.010
.X = ± 0.100
ANGLES = ± 0.500
MATERIAL: MAT-FIN

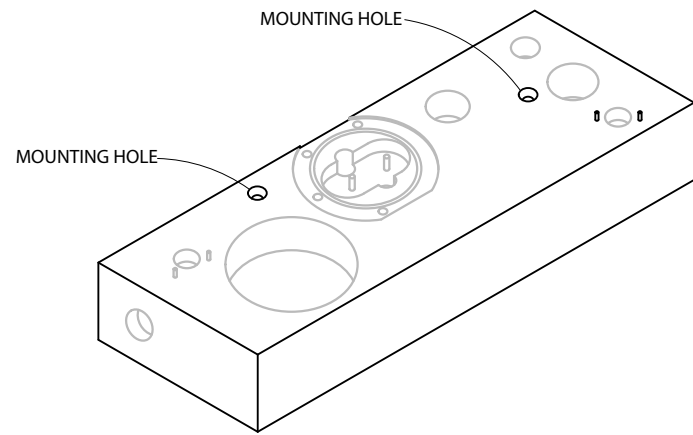
ALL DIMENSIONS IN INCHES
REMOVE SHARP EDGES 0.010
FINISHES 125AA MAX
CONCENTRICITY .005 T.I.R.
GEOMETRIC TOLERANCE
SYMBOLS PER ANSI Y 14
FINISH: MAT-FIN

REV.	DATE	BY	DESCRIPTION
1	11/23/11	RA	REVISED AS SHOWN

DRAWN BY:
DATE:
CHECKED BY:
DATE:
APPROVED BY:
DATE:
DRAWING SCALE: 1:1
PLOT SCALE: 1:12

SAFTPAC TWO WAY VALVE,
CALIBRATION WELL &
RETURN CONN. DETAILS

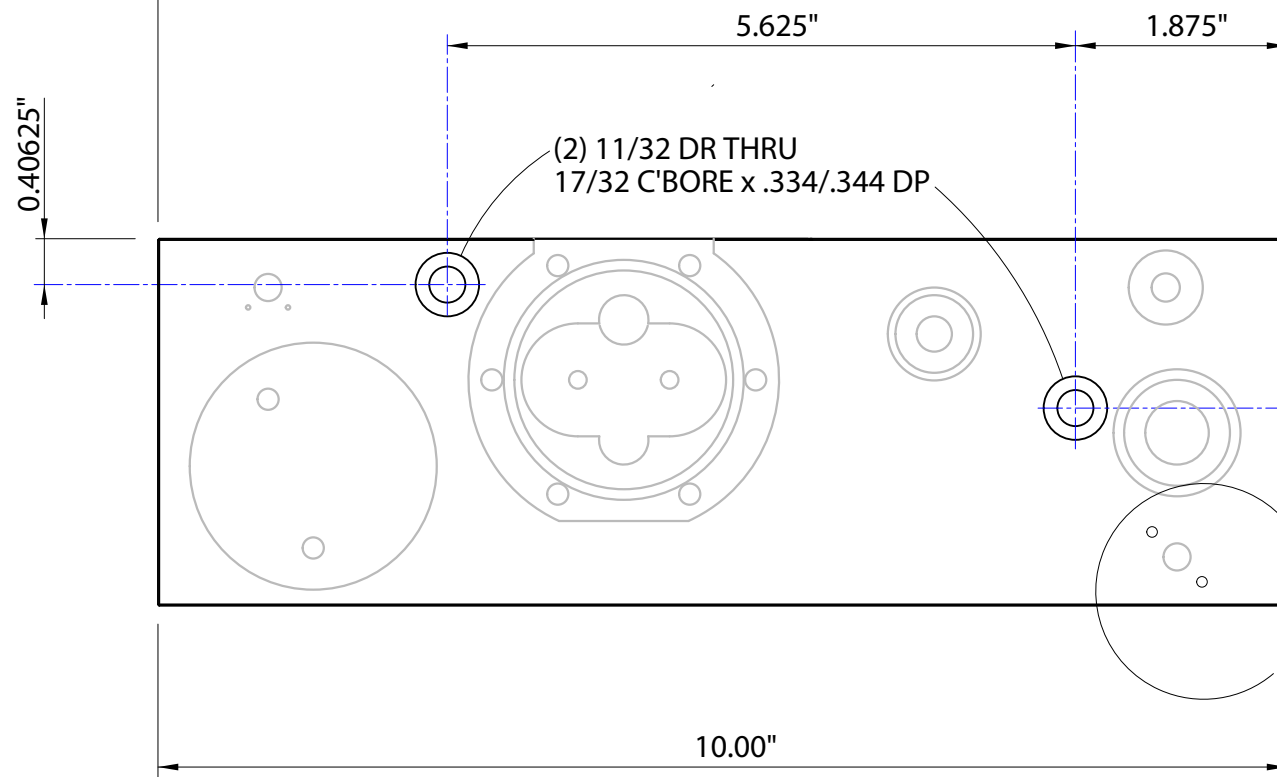
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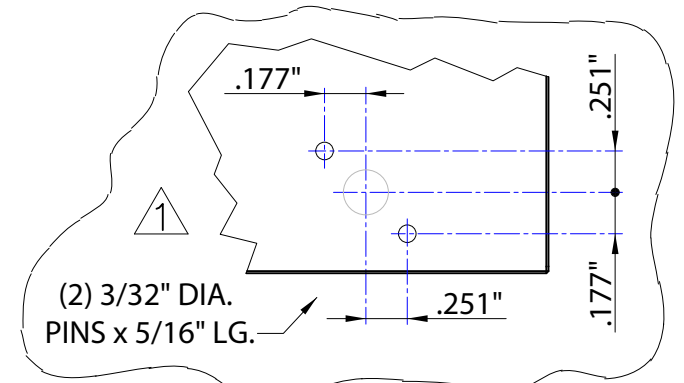
OPENINGS LEGEND



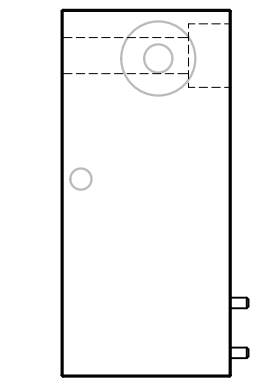
SIDE VIEW



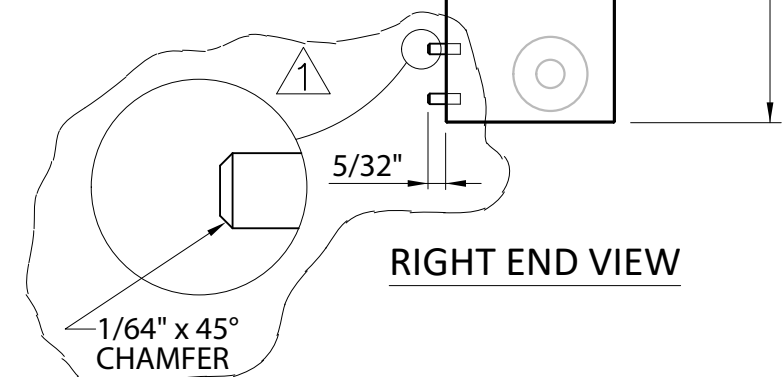
TOP VIEW



(2) 3/32" DIA.
PINS x 5/16" LG.



LEFT END VIEW



RIGHT END VIEW

BLOCK MOUNTING HOLES.....SHT 9 OF 10

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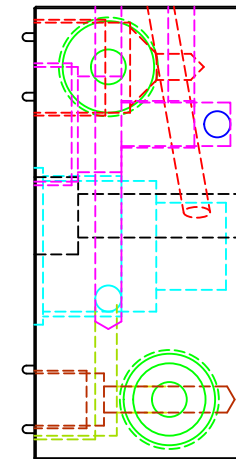
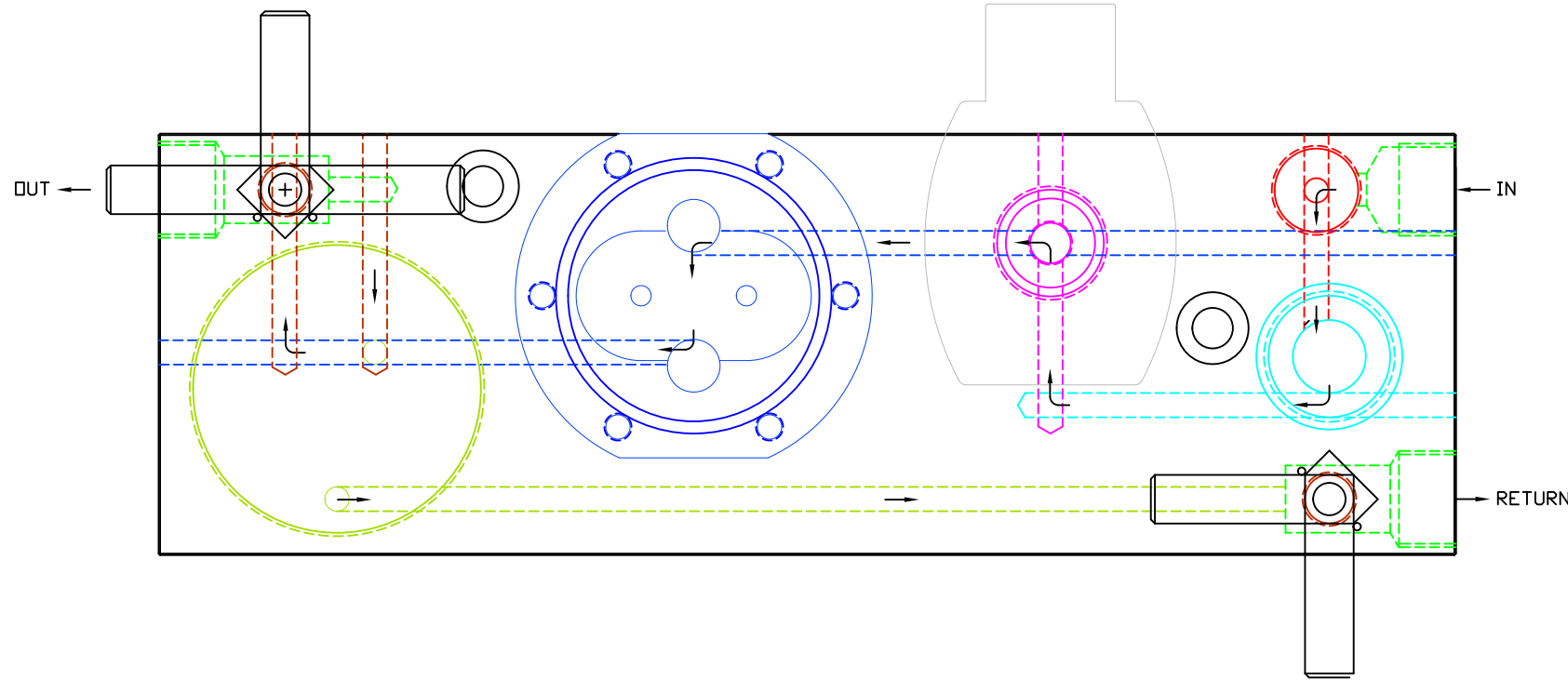
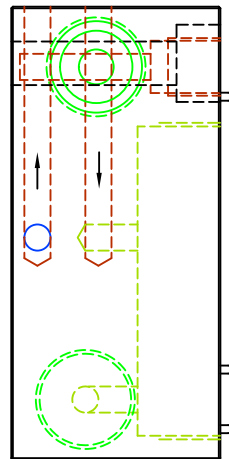
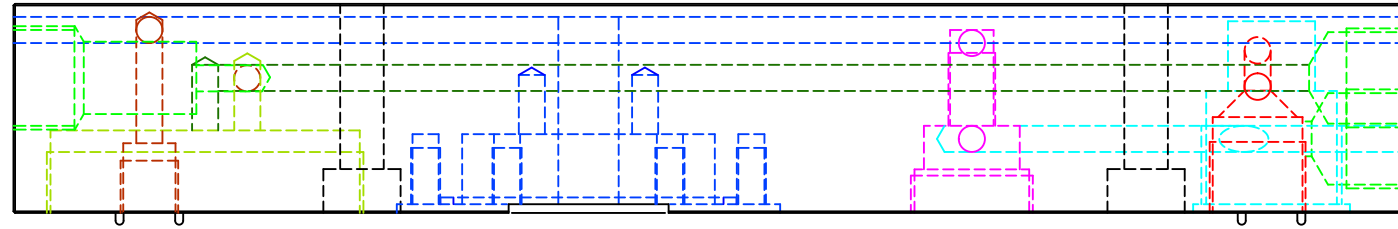
UNLESS OTHERWISE SPECIFIED
TOLERANCES
FRACT. = ± 0.125
.XXX = ± 0.005
.XX = ± 0.010
.X = ± 0.100
ANGLES = ± 0.500
MATERIAL: MAT-FIN

ALL DIMENSIONS IN INCHES
REMOVE SHARP EDGES 0.010
FINISHES 125AA MAX
CONCENTRICITY .005 T.I.R.
GEOMETRIC TOLERANCE
SYMBOLS PER ANSI Y 14
FINISH: MAT-FIN

REV.	DATE	BY	DESCRIPTION
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CHECKED BY:		DATE:	
APPROVED BY:		DATE:	
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1:1	1:12		20120518-8

SAFTPAC MOUNTING HOLES			
DWG. SIZE	SHEET NO.	REV.	
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UNLESS OTHERWISE SPECIFIED
 TOLERANCES ALL DIMENSIONS IN INCHES
 FRACT. = ± 0.125 REMOVE SHARP EDGES 0.010
 .XXX = ± 0.005 FINISHES 125AA MAX
 .XX = ± 0.010 CONCENTRICITY .005 T.I.R.
 .X = ± 0.100 GEOMETRIC TOLERANCE
 ANGLES = ± 0.500 SYMBOLS PER ANSI Y 14
 MATERIAL: MAT-FIN FINISH: MAT-FIN

REV.	DATE	BY	DESCRIPTION

DRAWN BY:	
DATE:	
CHECKED BY:	
DATE:	
APPROVED BY:	
DATE:	
DRAWING SCALE:	PLOT SCALE:
1:1	1:12

SAFTPAC DRILL OUTS AND FLOW				
CAD FILE NAME	DWG. NO.	DWG. SIZE	SHEET NO.	REV.
	20120517-0	C	1	0