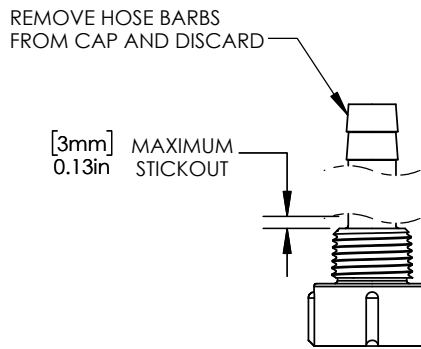
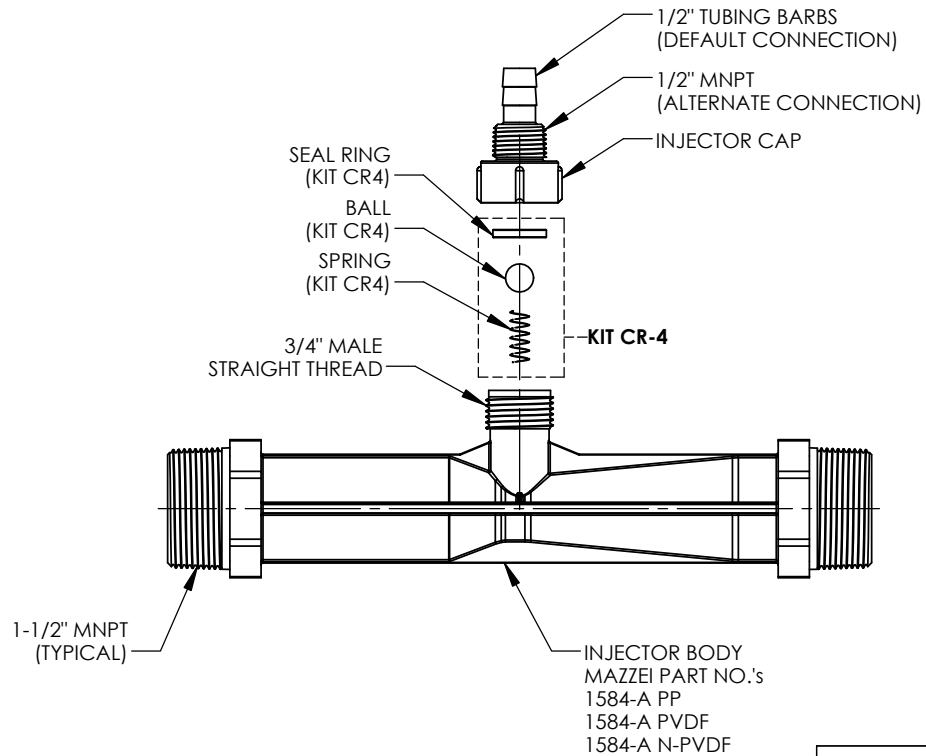


NOTES:

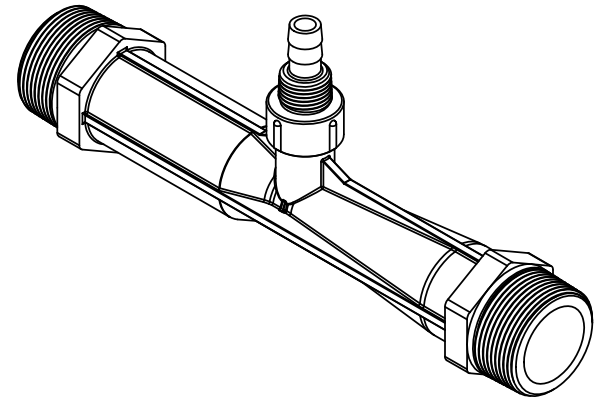
1. MADE IN THE U.S.A.
2. U.S. PATENT No. 5,863,128
3. U.S. No. 3,852,076 AND INTERNATIONAL REGISTERED TRADEMARKS
4. MATERIAL: GLASS FILLED POLYPROPYLENE (PP) OR POLYVINYLIDENE FLUORIDE (PVDF) OR NATURAL POLYVINYLIDENE FLUORIDE (N-PVDF)
5. INLET/OUTLET CONNECTION:  
1 1/2" MNPT
6. SUCTION PORT CONNECTION:  
  
DEFAULT - 1/2" I.D. TUBING BARB WITH INTEGRATED CHECK VALVE  
  
ALTERNATE - 1/2" MNPT - SEE ALTERNATE CAP MODIFICATION DETAIL
7. FOR INSTALLATION RECOMMENDATIONS REFER TO MAZZEI TECHNICAL BULLETINS No. 4, No. 5, No. 6, No. 10 AND No. 11, WHICH CAN BE FOUND AT WWW.MAZZEI.NET.
8. MAZZEI INJECTOR CO., LLC.  
500 ROOSTER DR.  
BAKERSFIELD, CA 93307  
TEL: 661.363.6500  
WEB: WWW.MAZZEI.NET



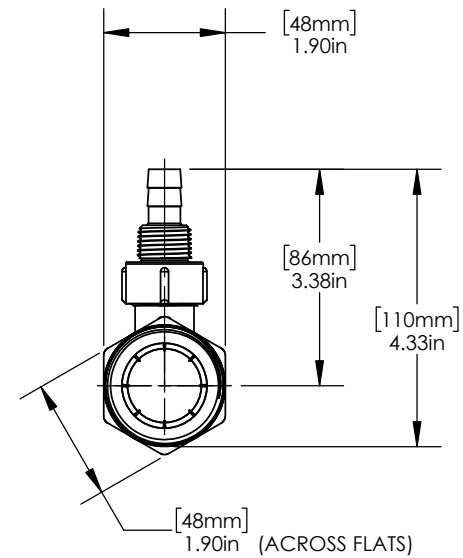
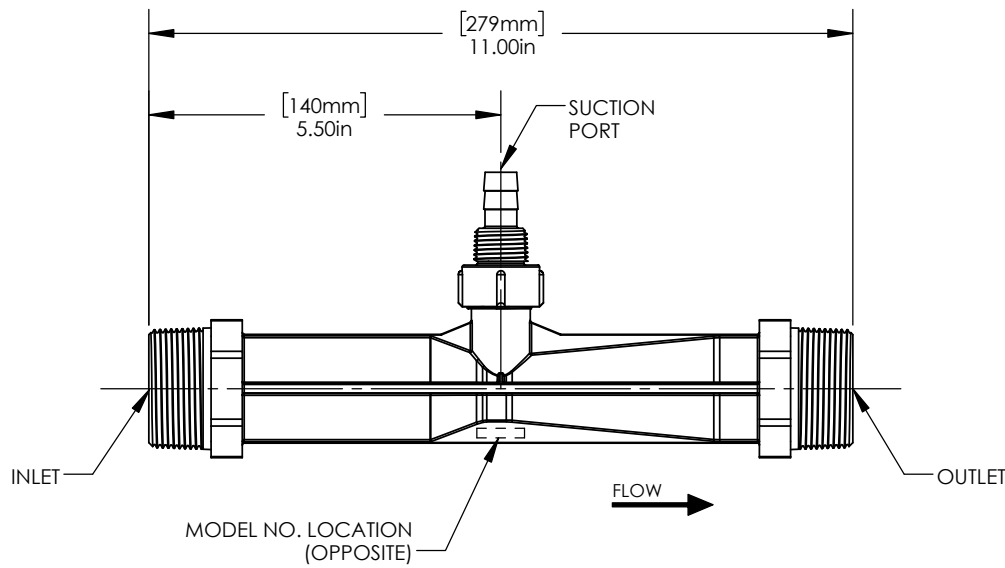
"CAP MODIFICATION DETAIL"  
(ALTERNATE)

KIT CR-4	
TITLE	MATERIAL
BALL	TEFLON @ (PTFE)
SEAL RING	KEL-F @ (PCTFE)
SPRING	HASTELLOY C-22

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE: 1-1/2" INJECTOR; MODEL 1584-A		
DRAWN: G. NOVINS	DATE: 7/23/2014		DRAWING NO.: 1584-A		
APPROVED: T. JOHNS	SIZE: <b>A</b>	WEIGHT: N/A	SCALE: 1:3	REV.: C	SHEET: 1 OF 2



(ISOMETRIC VIEW)  
(FOR REFERENCE ONLY)

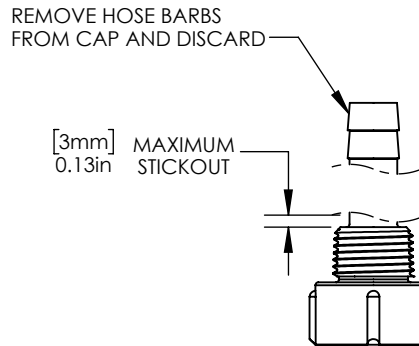
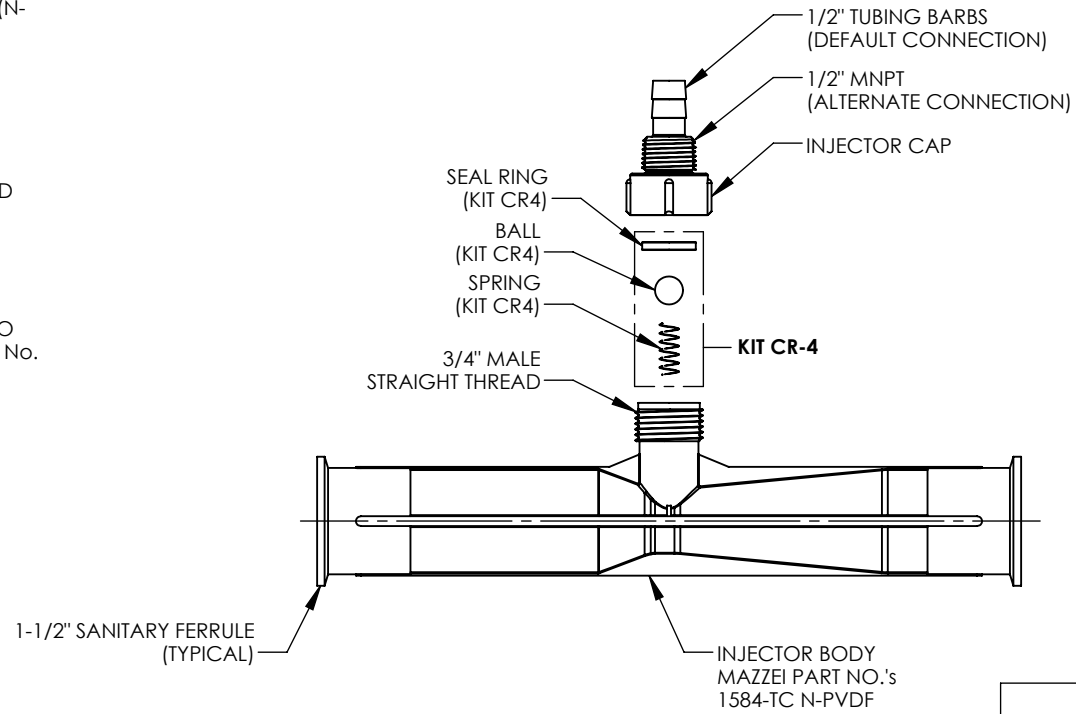


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE: 1-1/2" INJECTOR; MODEL 1584-A		
DRAWN: G. NOVINS	DATE: 7/23/2014		DRAWING NO.: 1584-A		
APPROVED: T. JOHNS	SIZE: <b>A</b>	WEIGHT: N/A	SCALE: 1:3	REV.: C	SHEET: 2 OF 2

NOTES:


1. MADE IN THE U.S.A.
2. U.S. PATENT No. 5,863,128
3. U.S. No. 3,852,076 AND INTERNATIONAL REGISTERED TRADEMARKS
4. MATERIAL: NATURAL POLYVINYLIDENE FLOURIDE (N-PVDF)
5. INLET/OUTLET CONNECTION:  
1-1/2" SANITARY FERRULE
6. SUCTION PORT CONNECTION:  
  
DEFAULT - 1/2" I.D. TUBING BARB WITH INTEGRATED CHECK VALVE  
  
ALTERNATE - 1/2" MNPT - SEE ALTERNATE CAP MODIFICATION DETAIL
7. FOR INSTALLATION RECOMMENDATIONS REFER TO MAZZEI TECHNICAL BULLETINS No. 4, No. 5, No. 6, No. 10 AND No. 11, WHICH CAN BE FOUND AT WWW.MAZZEI.NET.
8. MAZZEI INJECTOR CO., LLC.  
500 ROOSTER DR.  
BAKERSFIELD, CA 93307  
TEL: 661.363.6500  
WEB: WWW.MAZZEI.NET

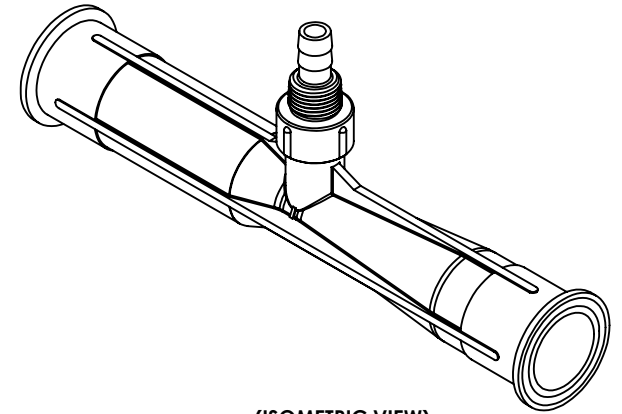
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
C	UPDATED MATERIAL	10/3/2017	J. BENNETT



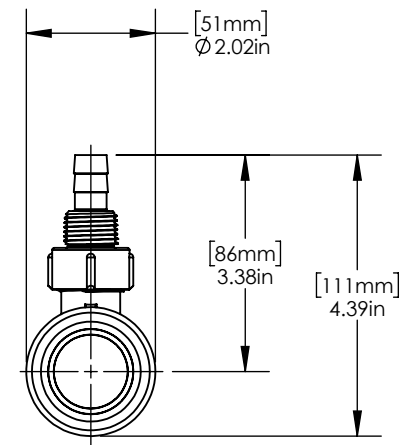
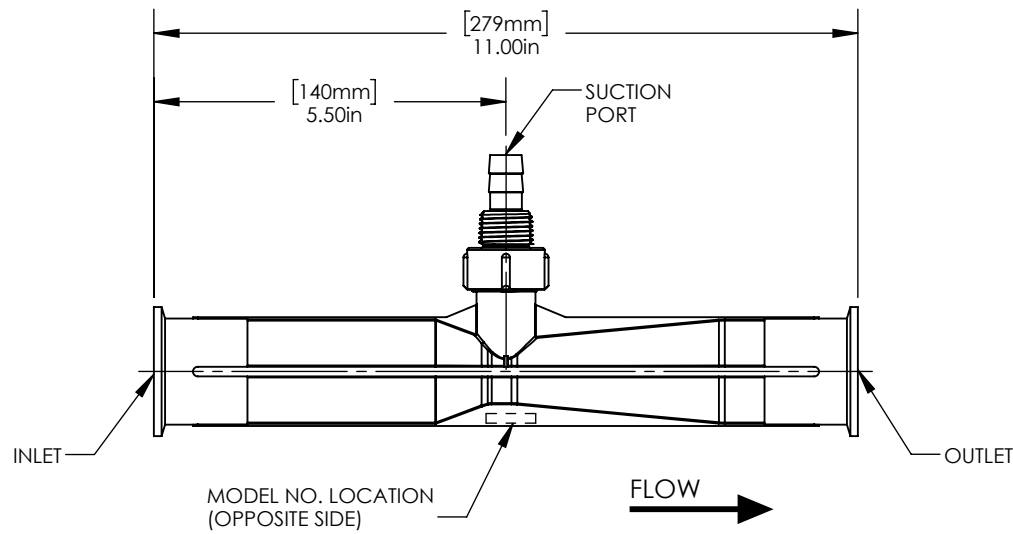
"CAP MODIFICATION DETAIL"  
(ALTERNATE)


KIT CR-4	
TITLE	MATERIAL
BALL	TEFLON® (PTFE)
SEAL RING	KEL-F® (PCTFE)
SPRING	HASTELLOY C-22

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE: 1-1/2" INJECTOR; MODEL 1584-TC			
DRAWN:	G. NOVINS		DRAWING NO.: 1584-TC			
DATE:	7/23/2014	SIZE:	WEIGHT:	SCALE:	REV.:	SHEET:
APPROVED:	T. JOHNS	A	N/A	1:3	C	1 OF 2



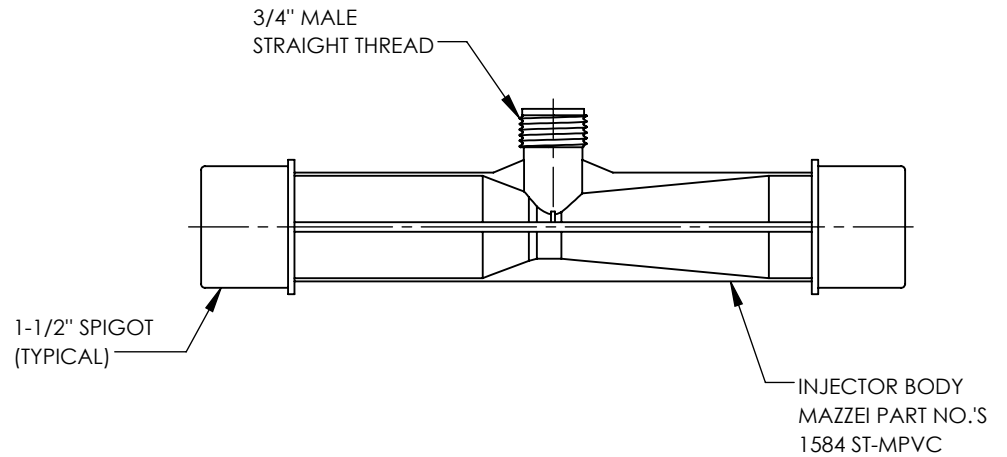
(ISOMETRIC VIEW)  
(FOR REFERENCE ONLY)



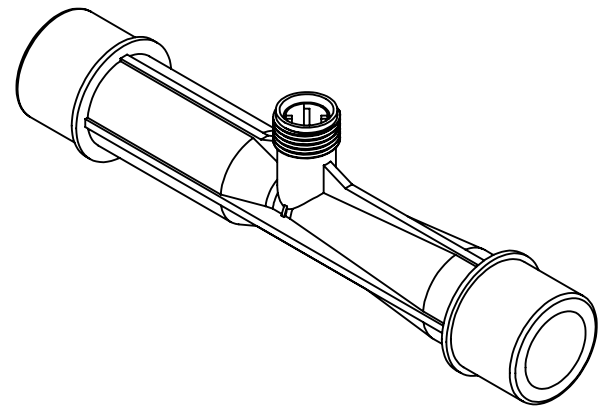
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE: 1-1/2" INJECTOR; MODEL 1584-TC		
DRAWN: G. NOVINS	DATE: 7/23/2014		DRAWING NO.: 1584-TC		
APPROVED: T. JOHNS	SIZE: A	WEIGHT: N/A	SCALE: 1:3	REV.: C	SHEET: 2 OF 2

NOTES:

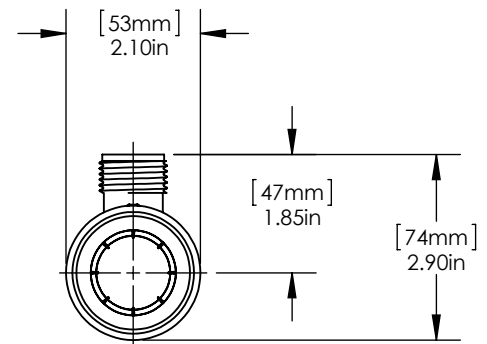
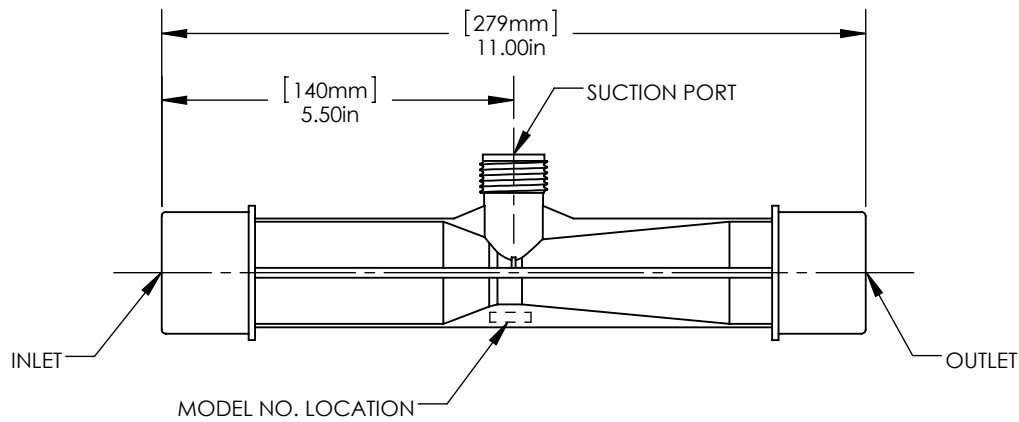
1. MADE IN THE U.S.A.
2. U.S. PATENT No. 5,863,128
3. U.S. No. 3,852,076 AND INTERNATIONAL REGISTERED TRADEMARKS
4. MATERIAL: MPVC
5. INLET/OUTLET CONNECTION:  
1-1/2" SPIGOT
6. SUCTION PORT CONNECTION:  
DEFAULT - 3/4" STRAIGHT THREAD
7. FOR INSTALLATION RECOMMENDATIONS REFER TO MAZZEI TECHNICAL BULLETINS No. 4, No. 5, No. 6, No. 10 AND No. 11, WHICH CAN BE FOUND AT WWW.MAZZEI.NET.
8. MAZZEI INJECTOR CO., LLC.  
500 ROOSTER DR.  
BAKERSFIELD, CA 93307  
TEL: 661.363.6500  
WEB: WWW.MAZZEI.NET



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE: 1-1/2" INJECTOR; MODEL 1584-ST		
DRAWN: T. JOHNS	DATE: 1/10/2013		DRAWING NO.: 1584-ST		
APPROVED: T. JOHNS	SIZE: <b>A</b>	WEIGHT: N/A	SCALE: 1:3	REV.: A	SHEET: 1 OF 2



(ISOMETRIC VIEW)  
(FOR REFERENCE ONLY)

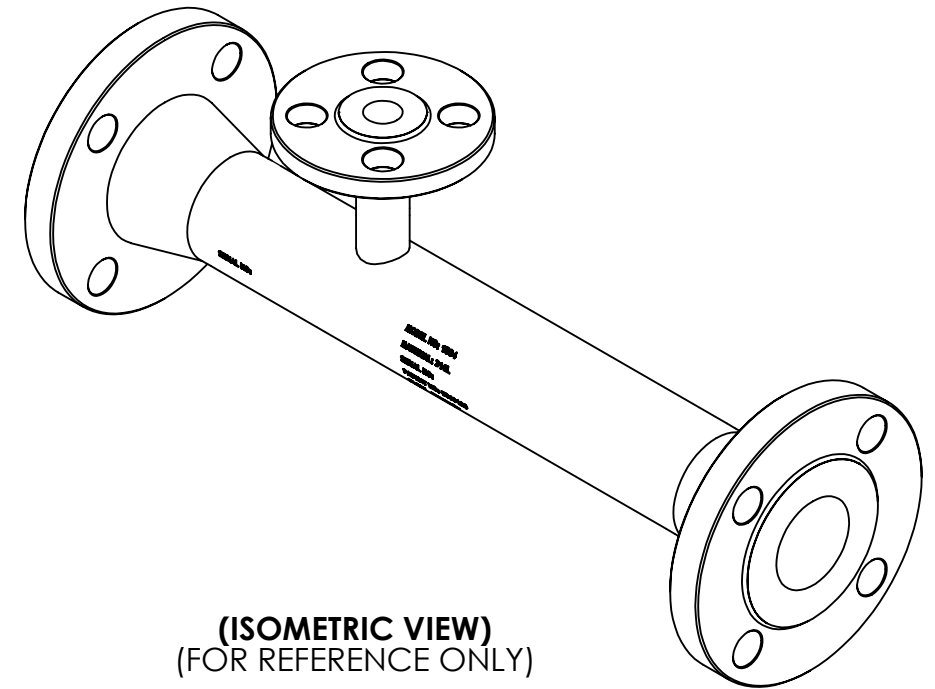


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE: 1-1/2" INJECTOR; MODEL 1584-ST		
DRAWN: T. JOHNS	DATE: 1/10/2013		DRAWING NO.: 1584-ST		
APPROVED: T. JOHNS	SIZE: <b>A</b>	WEIGHT: N/A	SCALE: 1:3	REV.: A	SHEET: 2 OF 2


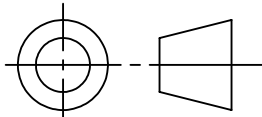
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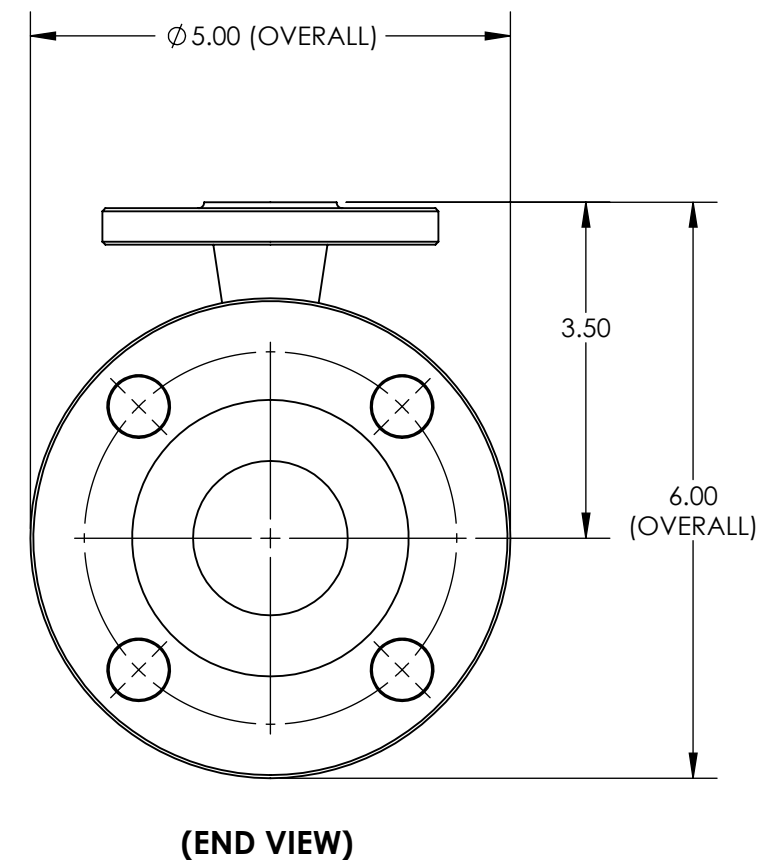
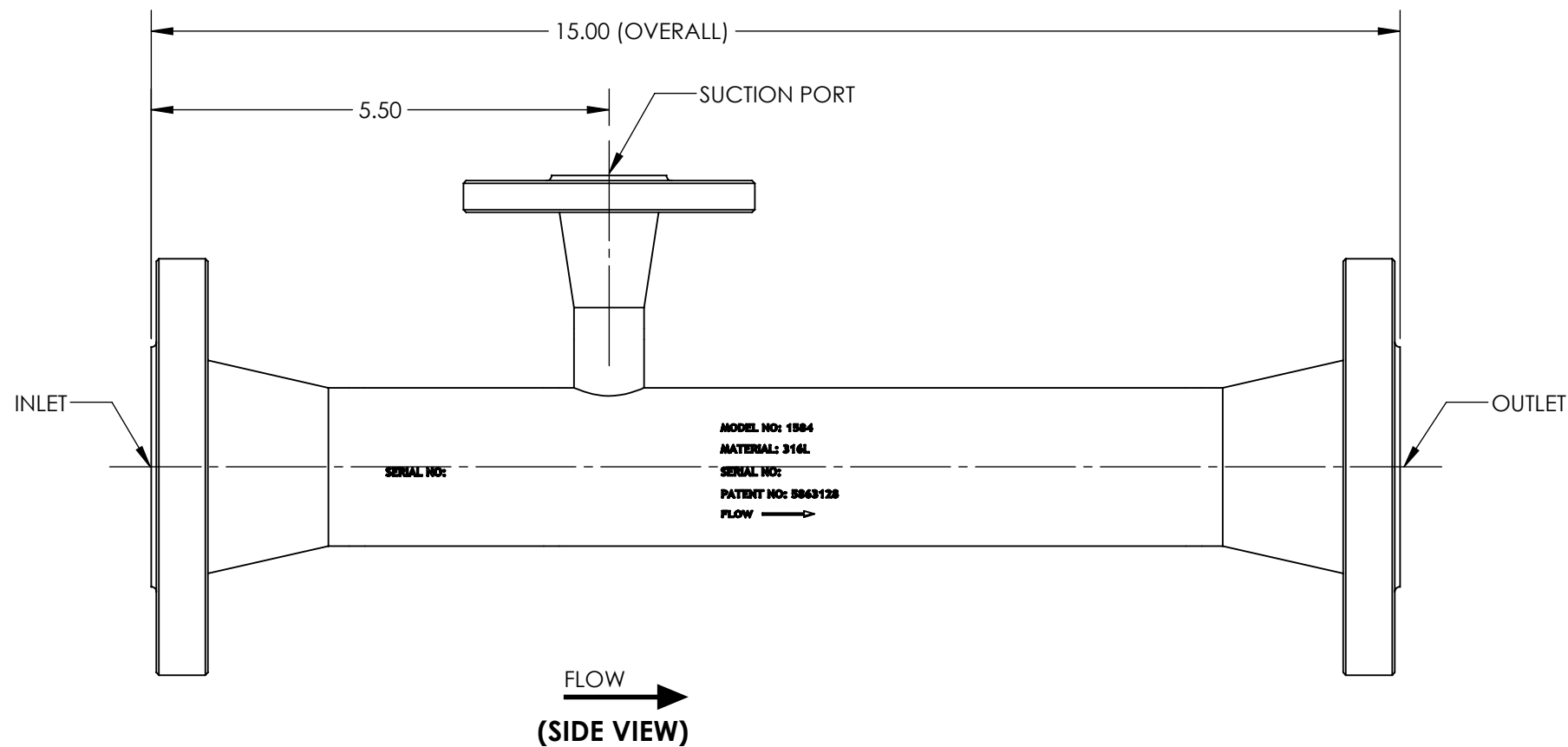
1. MATERIAL OF CONSTRUCTION: TYPE 316L, STAINLESS STEEL
2. MTR/HEAT NUMBERS ARE PROVIDED AND SHALL MEET APPLICABLE MATERIAL SPECIFICATIONS.
3. FLANGE BOLTS HOLES TO STRADDLE COMMON CENTERLINES, UNLESS OTHERWISE NOTED.
4. INLET/OUTLET CONNECTION:  
1.50" NOMINAL DIA., ANSI B16.5, CLASS 150, SCHED. 40, RAISED FACE - WELD NECK FLANGE
5. SUCTION PORT CONNECTION:  
.50" NOMINAL DIA., ANSI B16.5, CLASS 150, SCHED. 40, RAISED FACE - WELD NECK FLANGE
6. WELDING JOINTS TO BE COMPLETE JOINT PENETRATION, WHERE POSSIBLE.
7. HYDROTESTING MAY BE PERFORMED IN ACCORDANCE WITH MAZZEI SOP NO. 6090.
8. DYE PENETRANT TESTING MAY BE PERFORMED IN ACCORDANCE WITH MAZZEI SOP NO. 6095.
9. CLEANED FOR PASSIVATION PER ASTM A380 GUIDELINES.
10. PASSIVATED PER ASTM A967 SPECIFICATION.
11. FINISH:  
INTERNALS: MACHINED FINISH  
EXTERNALS: MACHINED FINISH
12. WELD MAP, NON DESTRUCTIVE TESTING (NDT), CLEANING AND INSPECTION REPORTS TO BE PROVIDED BY MAZZEI.


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
NC	RELEASED FOR SUBMITTAL.	5/14/2013	P. BANKOWSKI
A	REVISED INJECTOR DIMENSIONS. ADDED ENGRAVING.	1/2/2014	J. BENNETT
B	UPDATED NOTES & SHEET FORMAT.	4/8/2015	J. BENNETT



**SUBMITTAL DRAWING**

SUBMITTAL NOTICE		CONFIDENTIALITY NOTICE		APPROVALS		DATE		MAZZEI INJECTOR CO., LLC	
ANY RECOMMENDATIONS FOR PRODUCT AND/OR SYSTEM DESIGN, WHETHER CONTAINED IN A DOCUMENT, WITHIN THIS DRAWING, COMMUNICATED BY ELECTRONIC MEANS OR GIVEN VERBALLY, ARE INTENDED SOLELY AS GUIDELINES TO ACTUAL SYSTEM DESIGN. SAID RECOMMENDATIONS ARE BASED UPON INFORMATION SUPPLIED BY OTHERS, THE ACCURACY OF WHICH IS BEYOND VERIFICATION BY MAZZEI INJECTOR CO., LLC. THEREFORE MAZZEI CANNOT AND DOES NOT WARRANT THE SUITABILITY OF ITS PRODUCTS FOR A PARTICULAR SERVICE NOR THE PERFORMANCE OF ANY SYSTEM CONTAINING COMPONENTS MADE OR SOLD BY MAZZEI.		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MAZZEI INJECTOR COMPANY LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MAZZEI IS STRICTLY PROHIBITED.		UNLESS OTHERWISE SPECIFIED		DRAWN:		 500 ROOSTER DRIVE BAKERSFIELD, CA 93307 PHONE: (661) 363-6500 FAX: (661)363-7500 WWW.MAZZEI.NET	
				DIM ARE IN INCHES		T. JOHNS			
				TOL ON ANGLE ± .50°		J. BENNETT		3/4/2014	
				2 PL ± .06 3 PL ± .030		J. BENNETT		3/4/2014	
DRAWING MAY NOT BE PRINTED FULL SIZE DO NOT SCALE		INTERPRET DIM AND TOL PER ASME Y14.5M-1994  <b>THIRD ANGLE PROJECTION</b> 		APPROVED:		DATE		DESCRIPTION:	
				-		3/4/2014		INJECTOR; SSF01584AAA00	
				QA:		CUSTOMER APPROVAL:		SIZE: JOB NO.: DRAWING NUMBER: REV:	
				-		-		B N/A SSF01584AAA00-SUB B	
				CUSTOMER:		N/A		SCALE: NONE WEIGHT: 13.52 LBS SHEET: 1 OF 2	



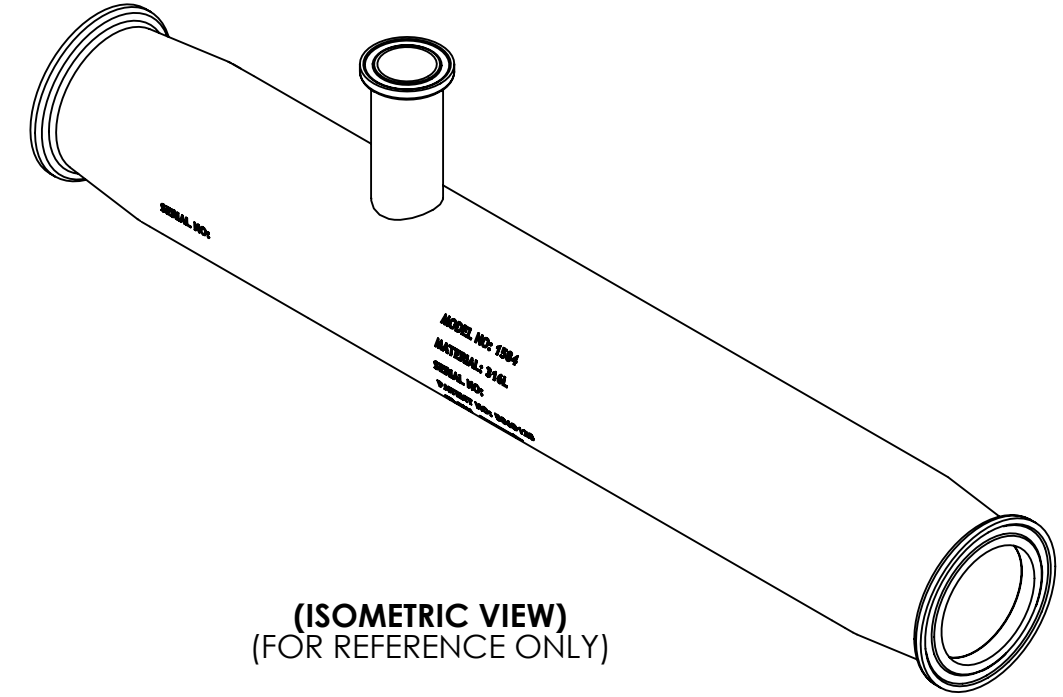
		<b>MAZZEI INJECTOR CO., LLC</b> 500 ROOSTER DRIVE BAKERSFIELD, CA 93307 PHONE: (661) 363-6500 FAX: (661)363-7500 WWW.MAZZEI.NET	
		DESCRIPTION: INJECTOR; SSF01584AAA00	
SIZE:	JOB NO.:	DRAWING NUMBER:	REV:
<b>B</b>	N/A	SSF01584AAA00-SUB	<b>B</b>
SCALE:	WEIGHT:	SHEET:	
1:2	13.52 LBS	2 OF 2	




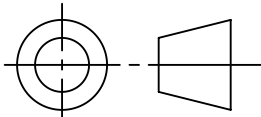
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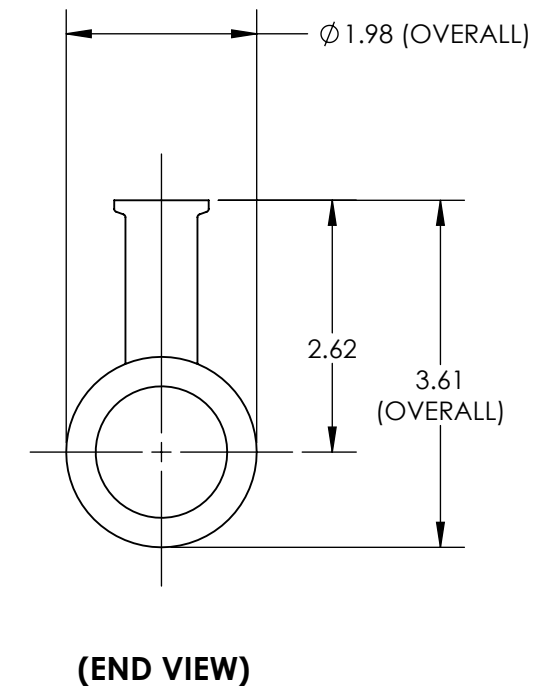
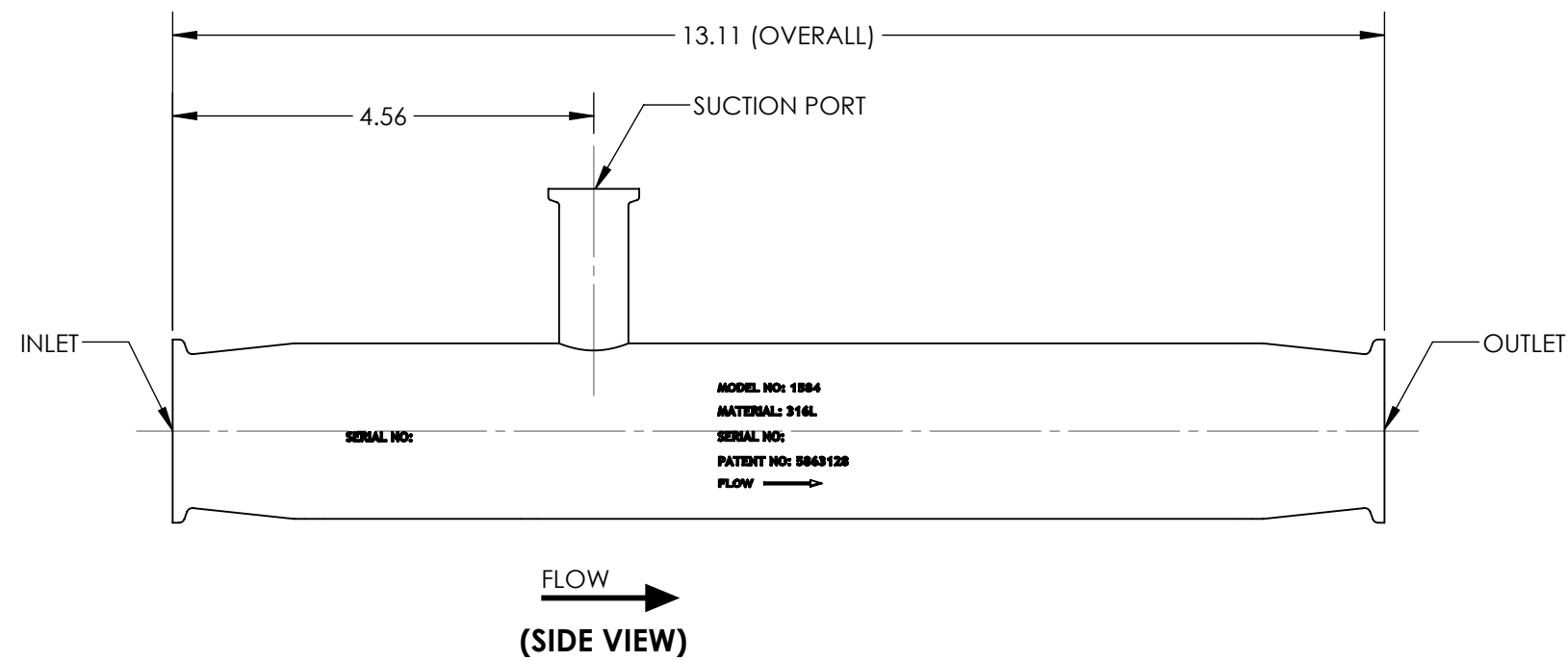
1. MATERIAL OF CONSTRUCTION: TYPE 316L, STAINLESS STEEL
2. MTR/HEAT NUMBERS ARE PROVIDED AND SHALL MEET APPLICABLE MATERIAL SPECIFICATIONS.
3. INLET/OUTLET CONNECTION:  
1.50" NOMINAL DIA., ASME BPE-2008, SANITARY TRI-CLAMP FITTING
4. SUCTION PORT CONNECTION:  
.75" DIA., ASME BPE-2008, SANITARY TRI-CLAMP FITTING
5. WELDING JOINTS TO BE COMPLETE JOINT PENETRATION, WHERE POSSIBLE.
6. HYDROTESTING MAY BE PERFORMED IN ACCORDANCE WITH MAZZEI SOP NO. 6090.
7. DYE PENETRANT TESTING MAY BE PERFORMED IN ACCORDANCE WITH MAZZEI SOP NO. 6095.
8. CLEANED FOR PASSIVATION PER ASTM A380 GUIDELINES.
9. PASSIVATED PER ASTM A967 SPECIFICATION.
10. FINISH:  
INTERNALS: MACHINED FINISH  
EXTERNALS: MACHINED FINISH
11. WELD MAP, NON DESTRUCTIVE TESTING (NDT), CLEANING AND INSPECTION REPORTS TO BE PROVIDED BY MAZZEI.


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
NC	RELEASED FOR SUBMITTAL.	4/8/2014	J. BENNETT
A	UPDATED NOTES & SHEET FORMAT.	4/8/2015	J. BENNETT



**SUBMITTAL DRAWING**

<b>SUBMITTAL NOTICE</b>		<b>CONFIDENTIALITY NOTICE</b>		UNLESS OTHERWISE SPECIFIED DIM ARE IN INCHES TOL ON ANGLE ± .50° 2 PL ± .06 3 PL ± .030 INTERPRET DIM AND TOL PER ASME Y14.5M-1994		APPROVALS		DATE		 <b>MAZZEI INJECTOR CO., LLC</b> 500 ROOSTER DRIVE BAKERSFIELD, CA 93307 PHONE: (661) 363-6500 FAX: (661)363-7500 WWW.MAZZEI.NET			
ANY RECOMMENDATIONS FOR PRODUCT AND/OR SYSTEM DESIGN, WHETHER CONTAINED IN A DOCUMENT, WITHIN THIS DRAWING, COMMUNICATED BY ELECTRONIC MEANS OR GIVEN VERBALLY, ARE INTENDED SOLELY AS GUIDELINES TO ACTUAL SYSTEM DESIGN. SAID RECOMMENDATIONS ARE BASED UPON INFORMATION SUPPLIED BY OTHERS, THE ACCURACY OF WHICH IS BEYOND VERIFICATION BY MAZZEI INJECTOR CO. LLC. THEREFORE MAZZEI CANNOT AND DOES NOT WARRANT THE SUITABILITY OF ITS PRODUCTS FOR A PARTICULAR SERVICE NOR THE PERFORMANCE OF ANY SYSTEM CONTAINING COMPONENTS MADE OR SOLD BY MAZZEI.		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MAZZEI INJECTOR COMPANY LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MAZZEI IS STRICTLY PROHIBITED.		<b>THIRD ANGLE PROJECTION</b> 		DRAWN: T. JOHNS		4/7/2014				DESCRIPTION: <b>INJECTOR; SSF01584ABB00</b>	
DRAWING MAY NOT BE PRINTED FULL SIZE DO NOT SCALE						CHECKED: K. COBAR		4/8/2014		SIZE: <b>B</b>			
				APPROVED: J. BENNETT		4/8/2014		DRAWING NUMBER: <b>SSF01584ABB00-SUB</b>		REV: <b>A</b>			
						QA: -		CUSTOMER APPROVAL: -		WEIGHT: <b>5.41 LBS</b>			
						CUSTOMER: <b>N/A</b>				SHEET: <b>1 OF 2</b>			



		<b>MAZZEI INJECTOR CO., LLC</b> 500 ROOSTER DRIVE BAKERSFIELD, CA 93307 PHONE: (661) 363-6500 FAX: (661)363-7500 WWW.MAZZEI.NET	
DESCRIPTION: INJECTOR; SSF01584ABB00			
SIZE:	JOB NO.:	DRAWING NUMBER:	REV:
<b>B</b>	N/A	SSF01584ABB00-SUB	<b>A</b>
SCALE:	WEIGHT:	SHEET:	
1:2	5.41 LBS	2 OF 2	