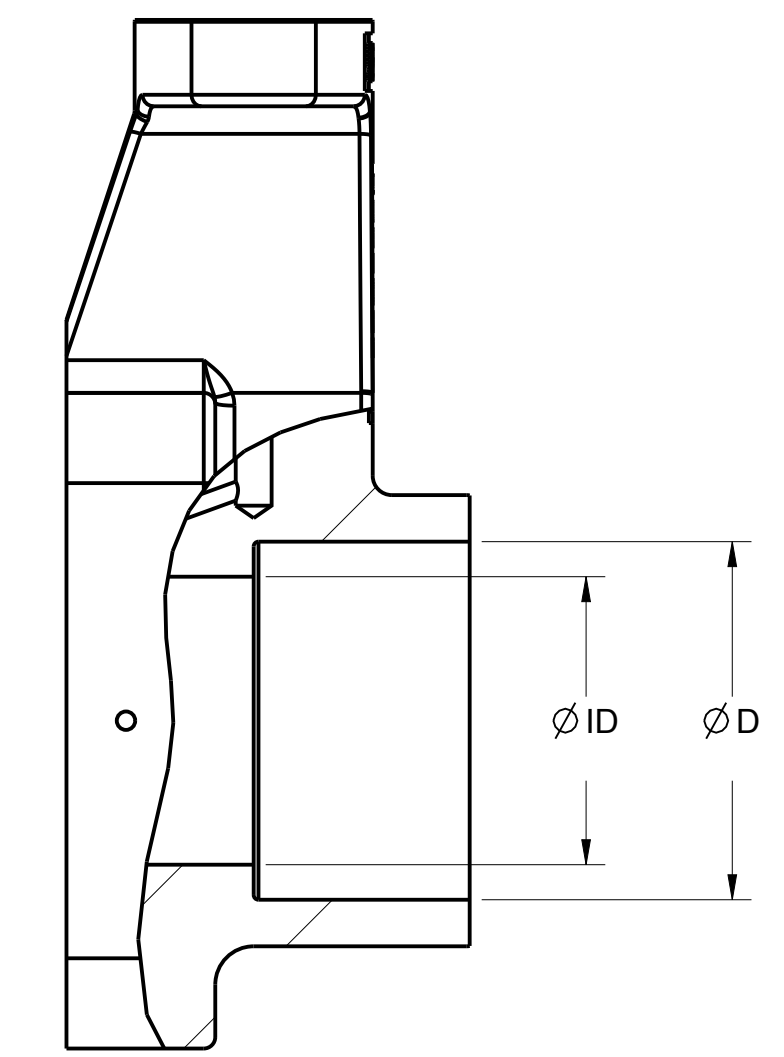
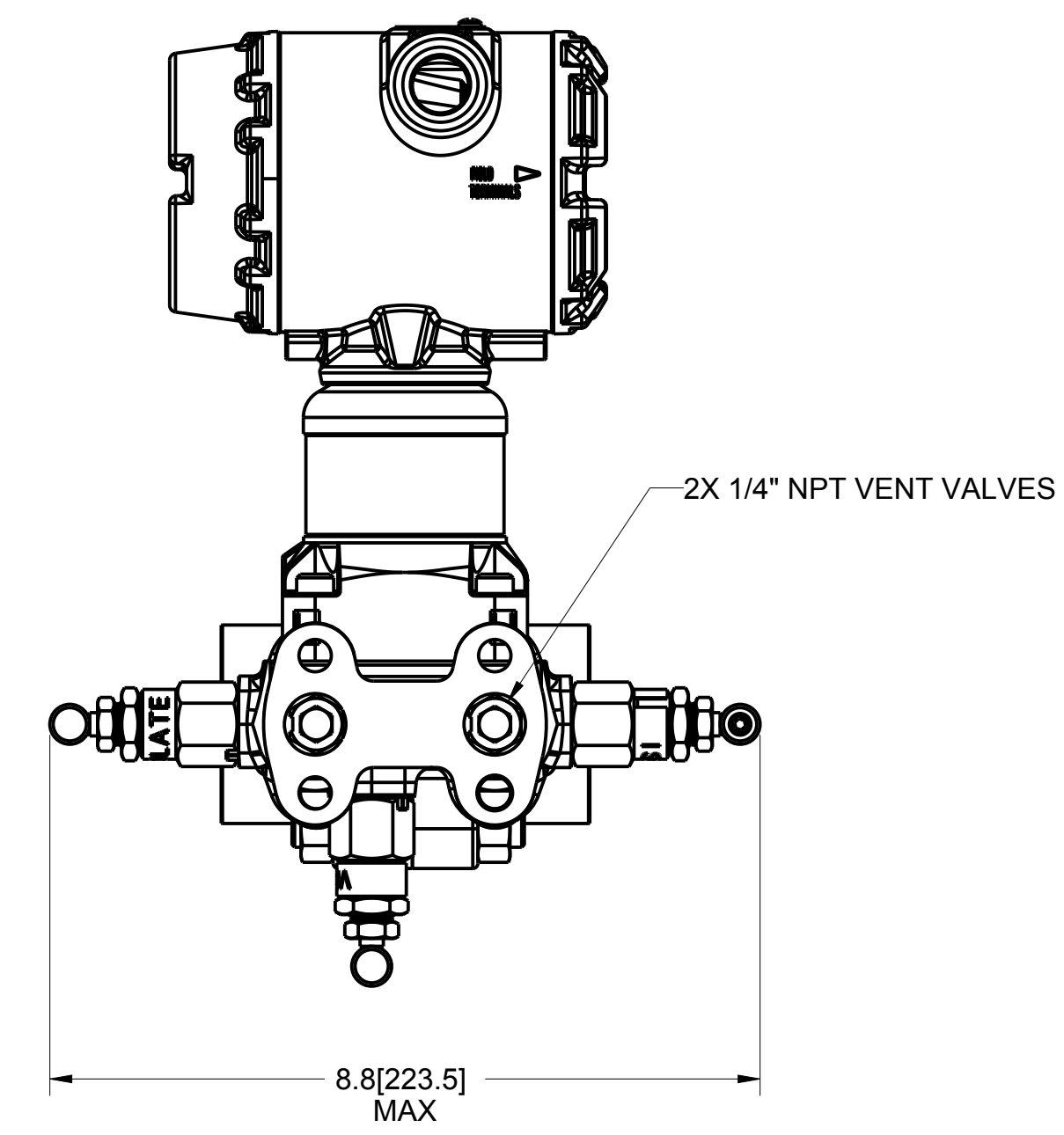
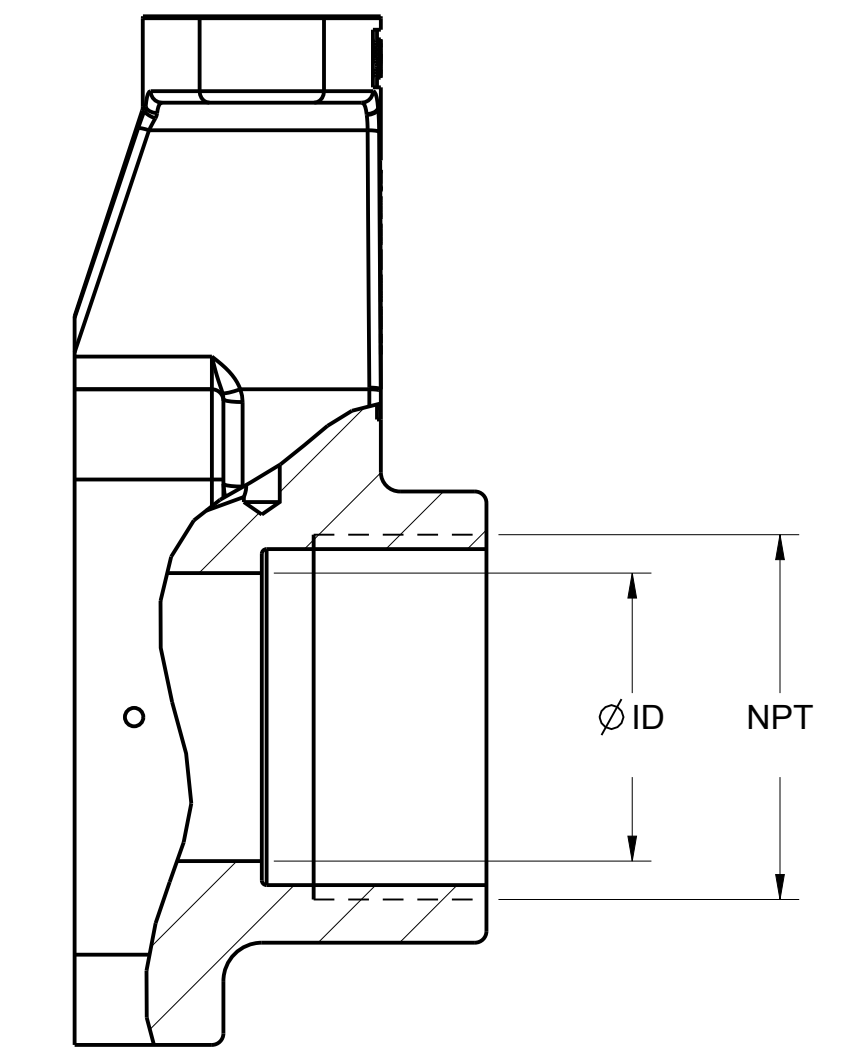


REVISION TABLE			
REVISION	ECO NO.	APP'D	DATE
AB	DSI1053953	3/30/17	03/31/17
DESCRIPTION			
ADD NOTE 10 AND CLARIFICATION ON SHEET 10.			

DIMENSIONS	LINE SIZE		
	1/2" [12.7]	1" [25.4]	1-1/2" [38.1]
A	3.4 [86.0]	3.8 [97.0]	4.5 [114.0]
B	4.7 [119.4]	5.2 [132.1]	5.9 [149.9]
C	3.0 [76]	3.3 [84]	3.7 [94]
∅ D	.805 [20.5]	1.280 [32.5]	1.865 [47.4]
∅ ID	.622 [15.8]	1.049 [26.6]	1.500 [38.1]
NPT	1/2" - 14	1" - 11.5	1-1/2" - 11.5
WIDTH	2.793 [70.9]	3.061 [77.8]	3.415 [86.7]

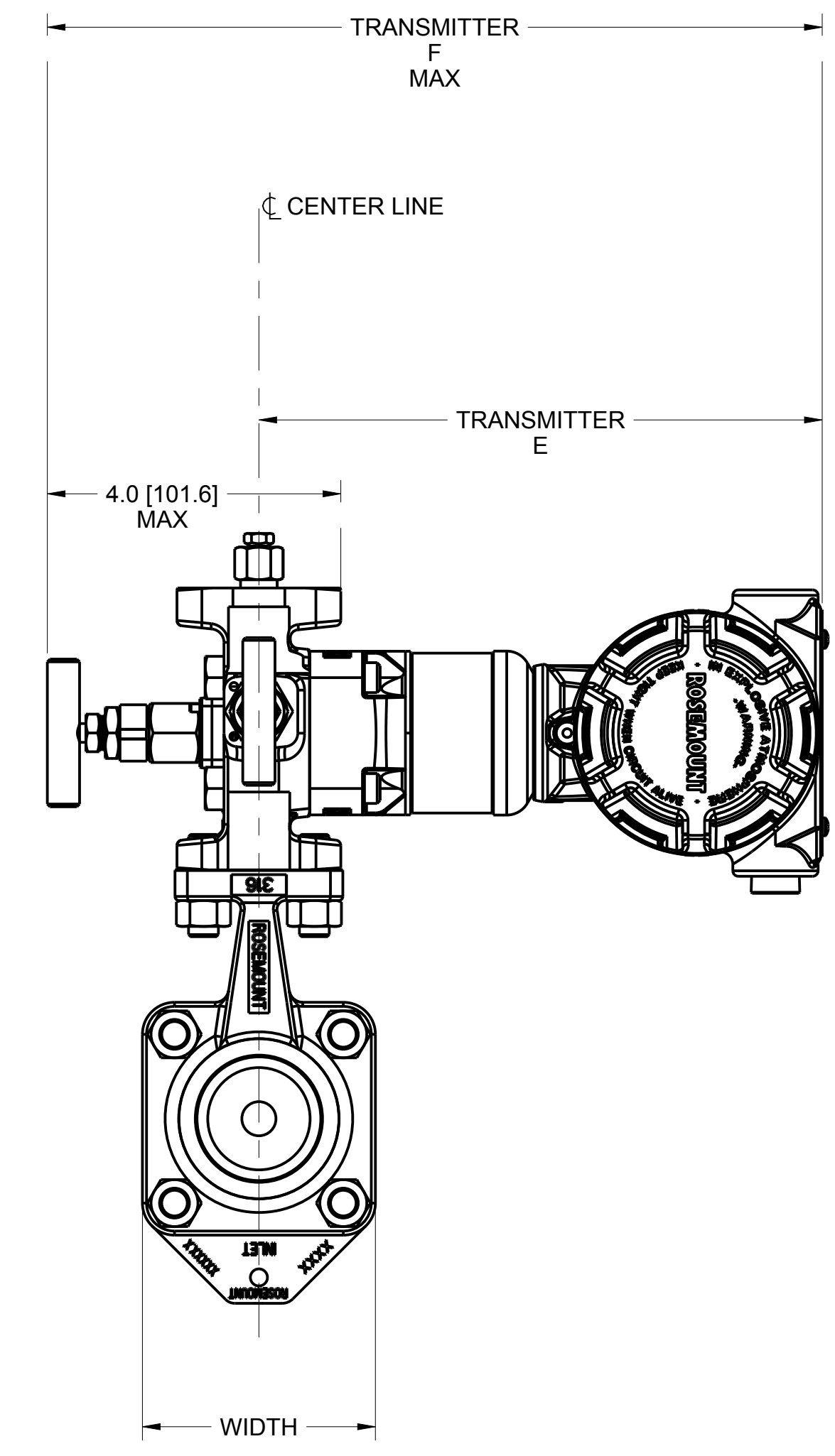
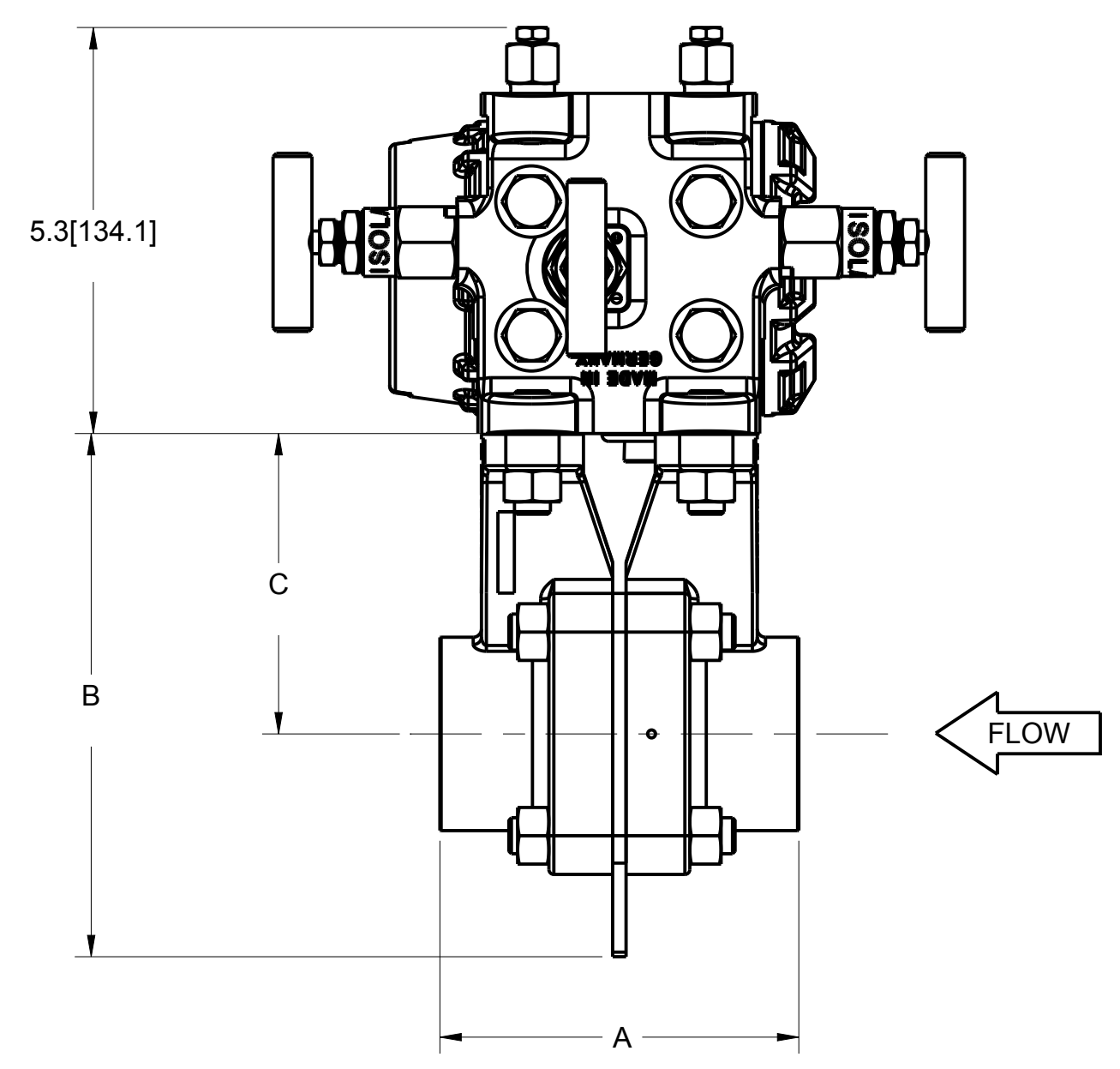


SOCKET WELD BODY
OPTION CODE S1



NPT FEMALE BODY
OPTION CODE T1

FLOWMETER	TRANSMITTER E	TRANSMITTER F
2051CFP	7.00 [177.8]	10.22 [259.6]
3051CFP	7.07 [179.6]	10.29 [261.4]
3051SFP	8.51 [216.2]	11.73 [297.9]



SOCKET WELD OR THREADED BODY TYPE
(3051SFP FLOWMETER SHOWN THROUGHOUT /
3051CFP, 2051CFP AVAILABLE)

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UNIT NOTES IN INCHES (mm).
REFERENCE ROSEMOUNT
PRODUCT SPECIFICATIONS.
CLICK HERE

3RD ANGLE

EMERSON

ROSEMOUNT 1195 4-BOLT MODEL
TYPE I DRAWING

DR. M.ZHENG | 04/06/16 | DRAWING NO. 01195-1004
APPD C.HAN | 04/06/16

CAD MAINTAINED, (PROE) SHEET 1 OF 11

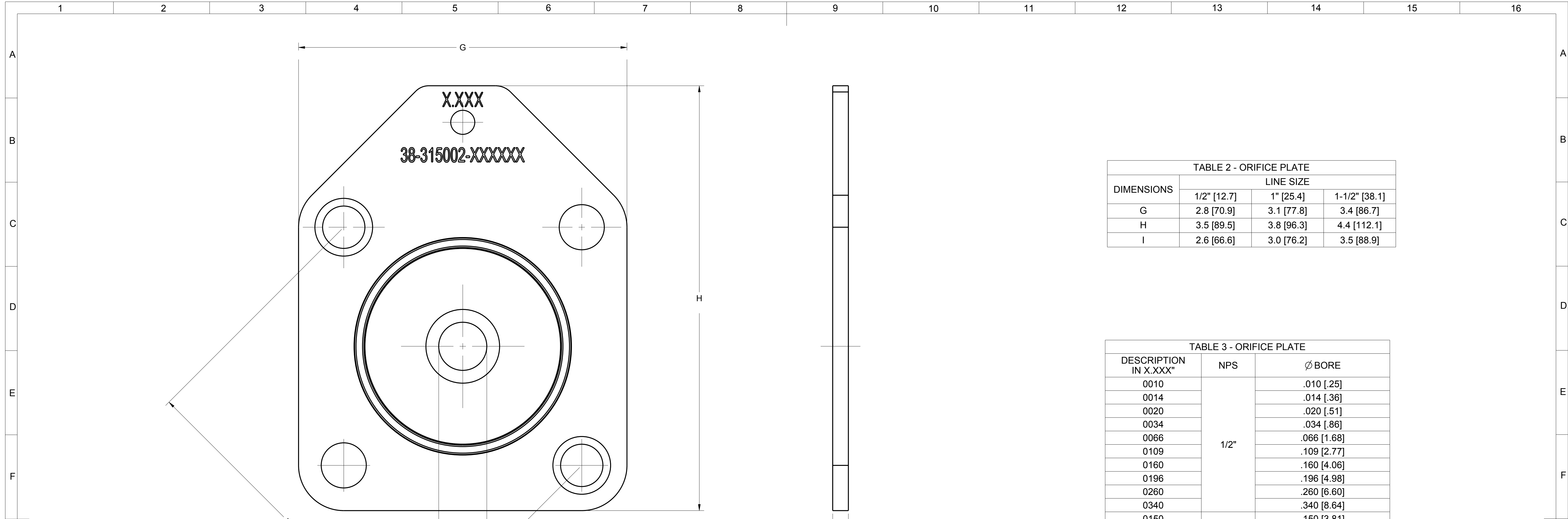


TABLE 2 - ORIFICE PLATE

DIMENSIONS	LINE SIZE		
	1/2" [12.7]	1" [25.4]	1-1/2" [38.1]
G	2.8 [70.9]	3.1 [77.8]	3.4 [86.7]
H	3.5 [89.5]	3.8 [96.3]	4.4 [112.1]
I	2.6 [66.6]	3.0 [76.2]	3.5 [88.9]

TABLE 3 - ORIFICE PLATE

DESCRIPTION IN X.XXX"	NPS	Ø BORE	
0010	1/2"	.010 [.25]	
0014		.014 [.36]	
0020		.020 [.51]	
0034		.034 [.86]	
0066		.066 [1.68]	
0109		.109 [2.77]	
0160		.160 [4.06]	
0196		.196 [4.98]	
0260	1"	.260 [6.60]	
0340		.340 [8.64]	
0150		1-1/2"	.150 [3.81]
0250			.250 [6.35]
0345			.345 [8.76]
0500			.500 [12.70]
0630	.630 [16.00]		
0800	.800 [20.32]		
0295	1-1/2"	.295 [7.49]	
0376		.376 [9.55]	
0512		.512 [13.00]	
0748		.748 [19.00]	
1022		1.022 [25.96]	
1184	1.184 [30.07]		

ORIFICE PLATE
DETAIL

- NOTES:
- ROSEMOUNT CERTIFIES THIS DRAWING IS IN ACCORDANCE WITH ROSEMOUNT ENGINEERING SPECIFICATIONS AND ACCURATELY REPRESENTS THE EQUIPMENT FURNISHED.
 - SENSOR ORIENTATION SHOWN FOR DETAIL ONLY. FOR ACTUAL RECOMMENDED LOCATION & ORIENTATION REFER TO INSTALLATION INSTRUCTION MANUAL 00809-0100-4686.
 - FOR MODEL SELECTIONS, REFER TO ROSEMOUNT PRODUCT DATA SHEET 00813-0100-4686.
 - UNIT MAXIMUM TEMPERATURE IS 450° F (232° C) FOR DIRECT MOUNT ELECTRONICS, 554° F (290° C) FOR REMOTE MOUNT ELECTRONICS.
 - MATERIAL FOR UNITS IS 316/316L STAINLESS STEEL, ALLOY C-276, OR ALLOY 400.
 - ORIFICE TYPE IS SQUARE EDGE FOR ORIFICE BORE SIZE Ø .066 & LARGER. FOR ORIFICE Ø .010 TO Ø .034 (1/2" LINE SIZE ONLY) ORIFICE TYPE IS QUADRANT EDGE.
 - UNITS CAN BE ORDERED TO MEET CL 900# ANSI / DIN PN160 RATING.
 - 45° IS AN ACCEPTABLE ALTERNATIVE TO 37.5° FOR CODE MEETING ASME 31.1.
 - 1/2" NPT FLANGE ADAPTERS CAN BE ROTATED TO GIVE CONNECTION CENTERS OF 2.00 INCH (51mm), 2.13 INCH (54mm) OR 2.25 INCH (57mm).
 - WHEN 3051SFP, 3051CFP, OR 2051CFP ARE ORDERED WITH B31.1, B31.3, B31.8 (J2, J3, J4) OR C-276 MANIFOLD (D4, D6), A FLANGE BY FLANGE MANIFOLD IS PROVIDED. SEE SHEET 10 FOR DIMENSIONS.

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3RD ANGLE

EMERSON

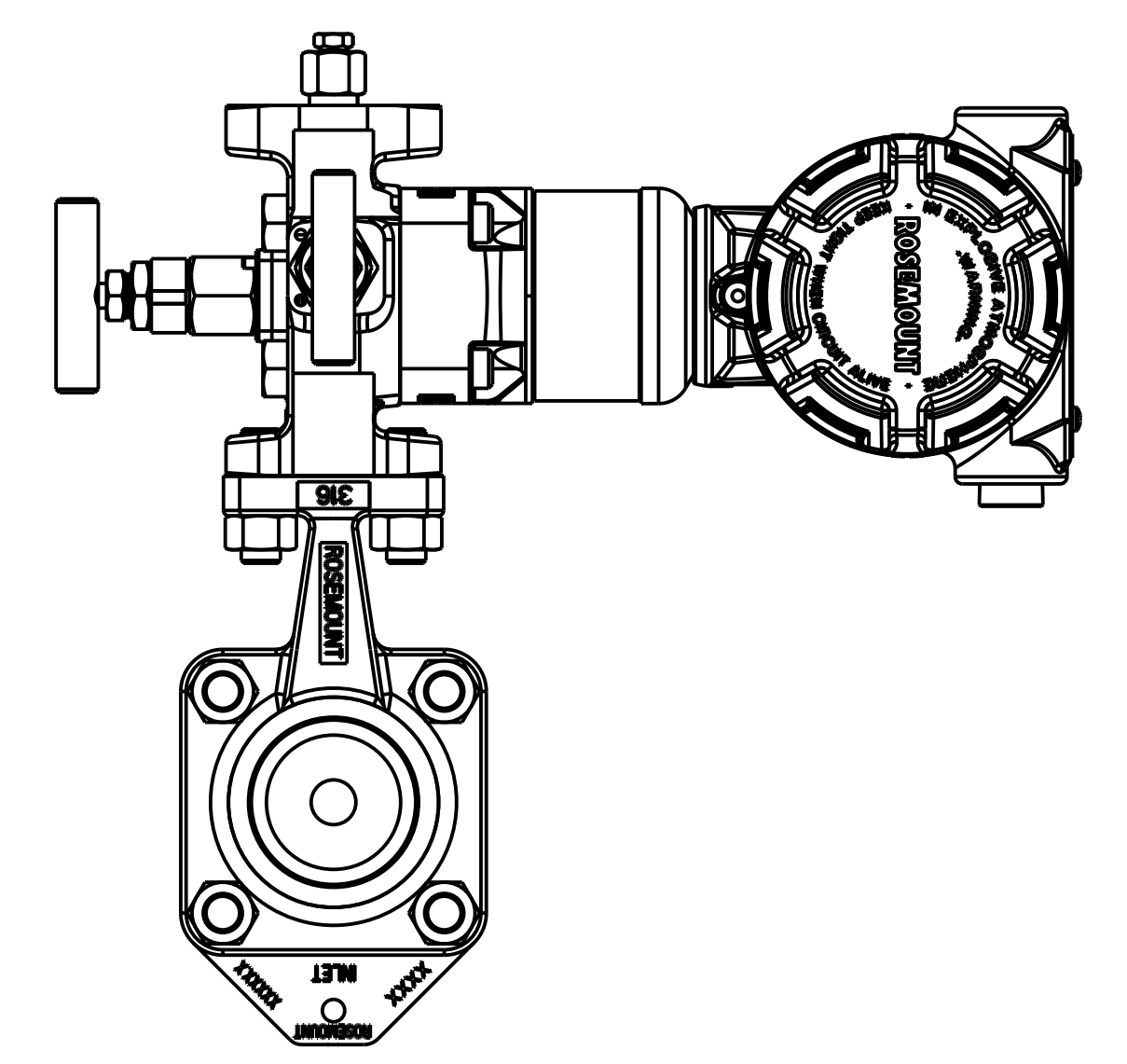
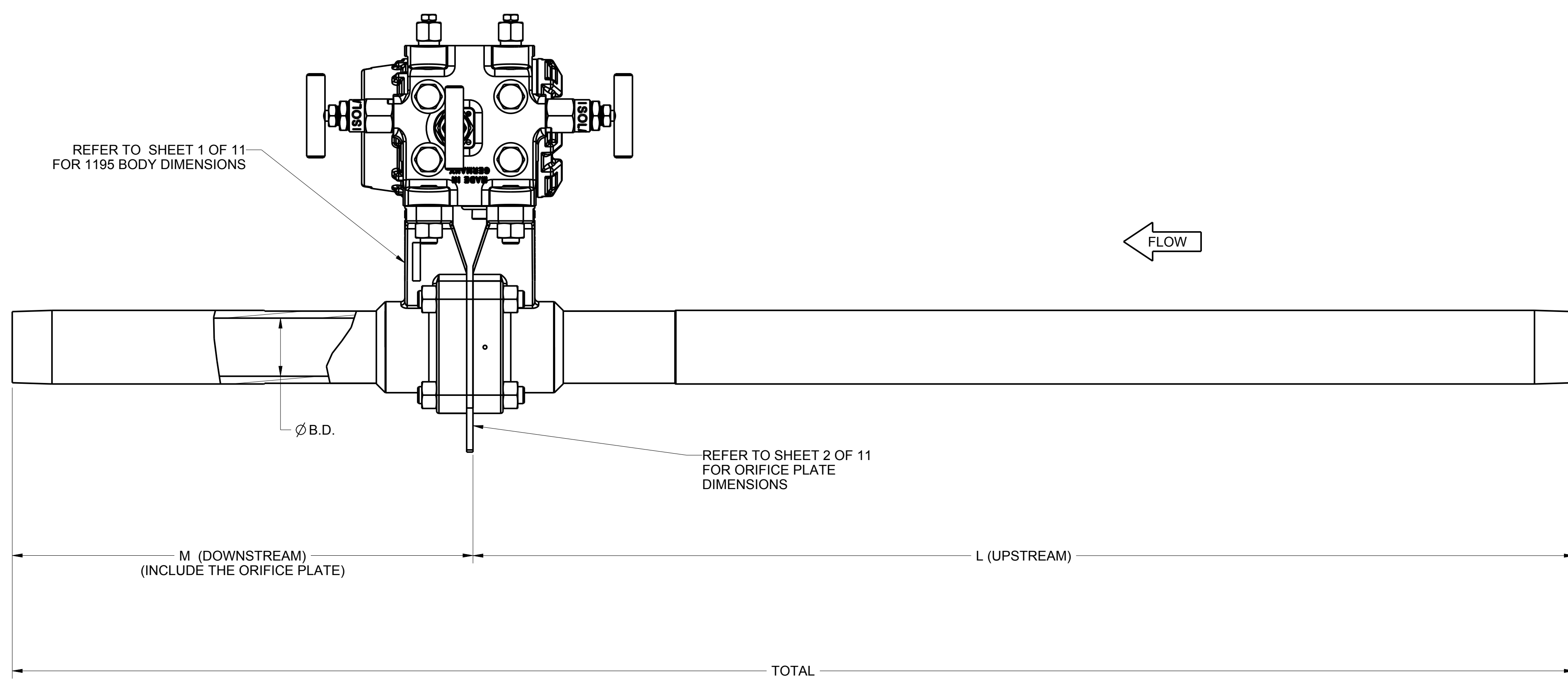
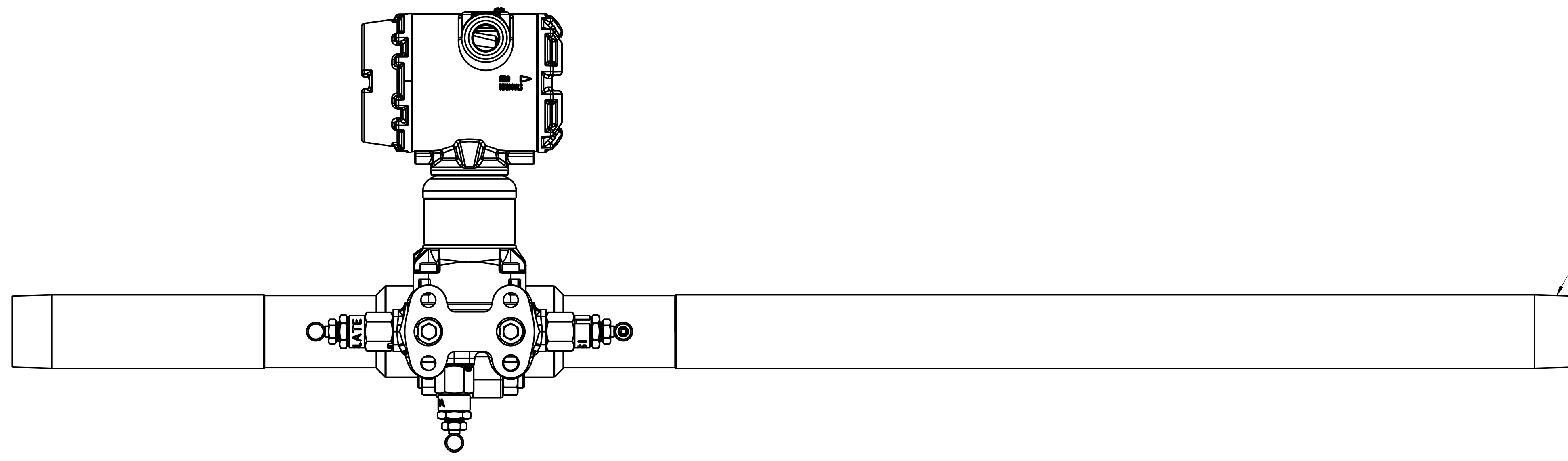
TITLE ROSEMOUNT TOP ASSEMBLY, 1195 4-BOLT TYPE I DRAWING

DR. M.ZHENG 04/06/16 DRAWING NO. 01195-1004

APPD C.HAN 04/06/16

CAD MAINTAINED, (PROE) SHEET 2 OF 11

TABLE 4 - NPT PIPE ENDS			
DIMENSIONS	LINE SIZE		
	1/2" [12.7]	1" [25.4]	1-1/2" [38.1]
Ø B.D.	.664 [16.9]	1.097 [27.9]	1.567 [39.8]
L	12.54 [318.4]	20.24 [514.0]	28.44 [722.4]
M	5.74 [145.7]	8.75 [222.2]	11.91 [302.6]
TOTAL ± .13 [±3.3]	18.27 [464.1]	28.98 [736.1]	40.35 [1024.9]



THREADED PIPE ENDS

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TITLE ROSEMOUNT TOP ASSEMBLY, 1195 4-BOLT TYPE I DRAWING

DR. M.ZHENG | 04/06/16 | DRAWING NO. 01195-1004

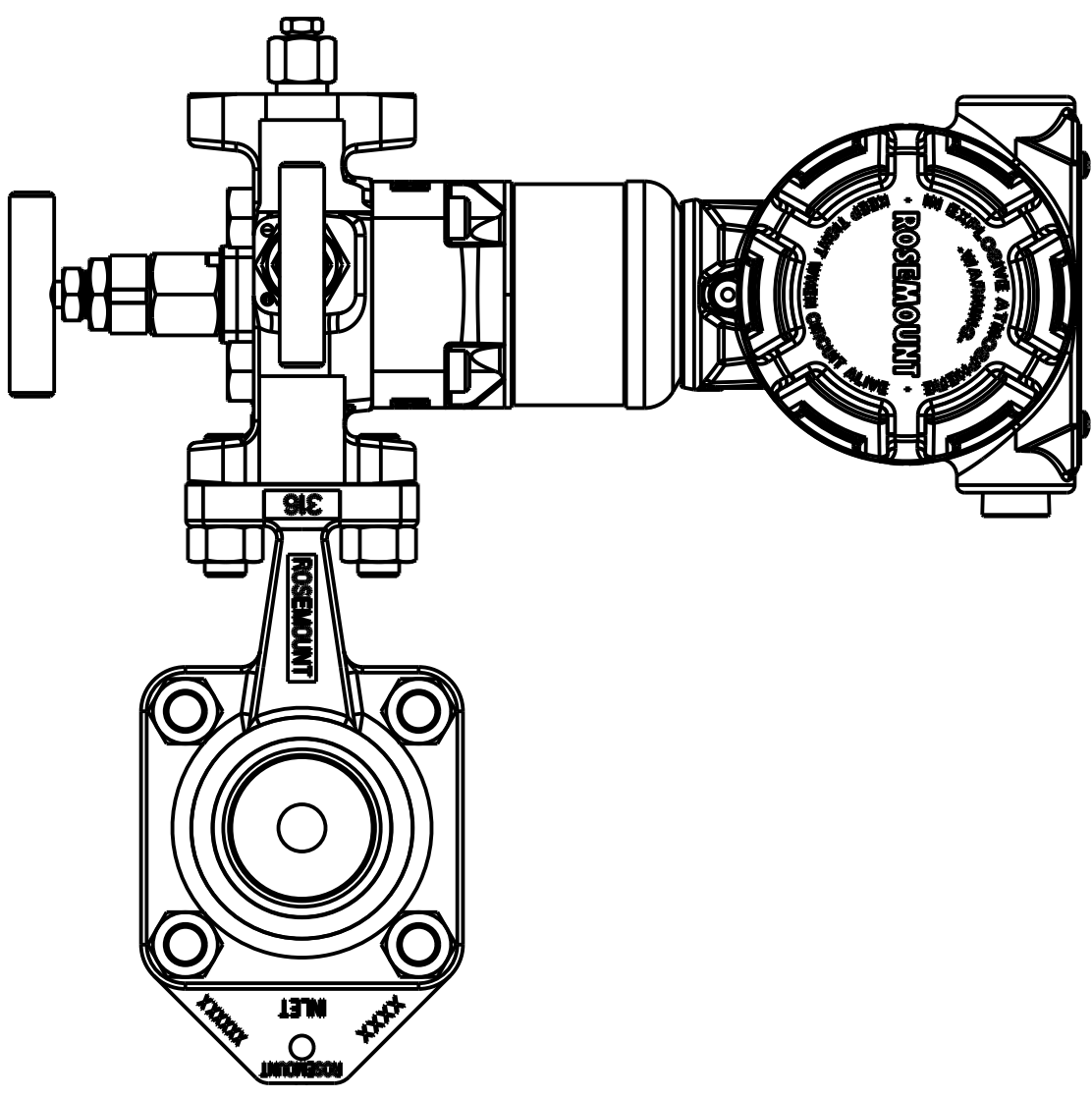
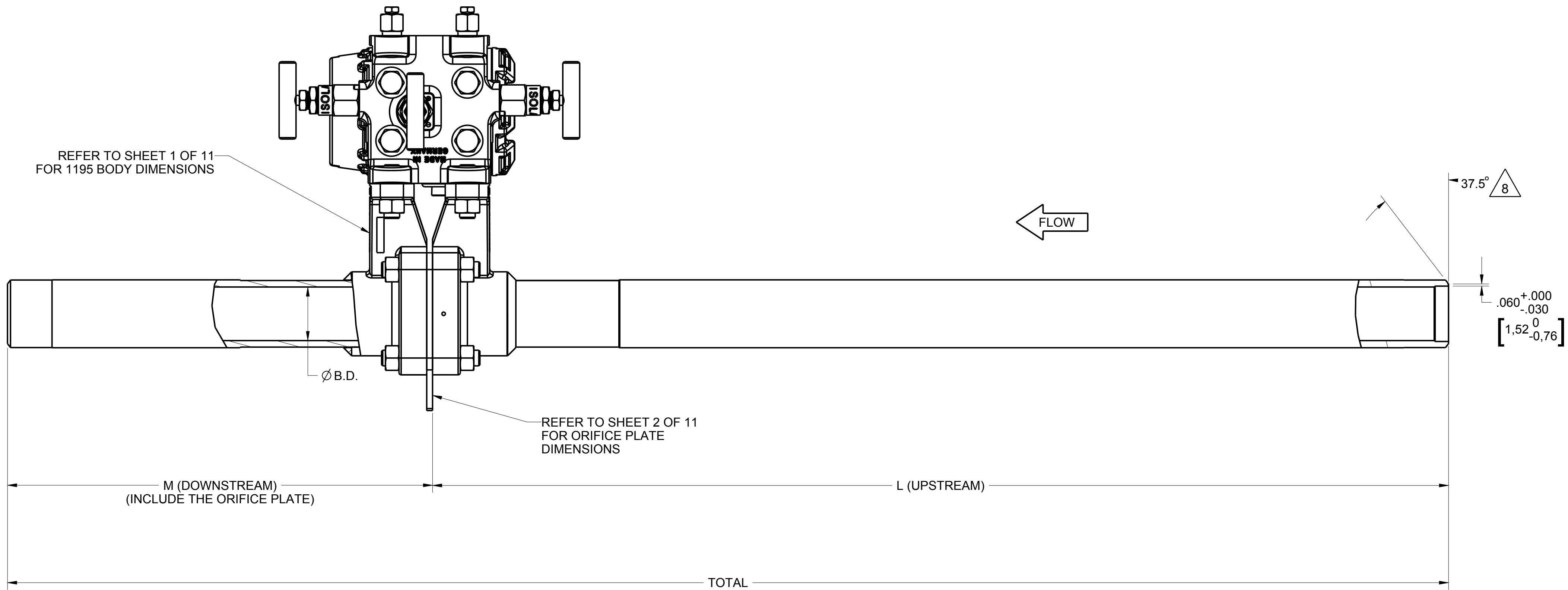
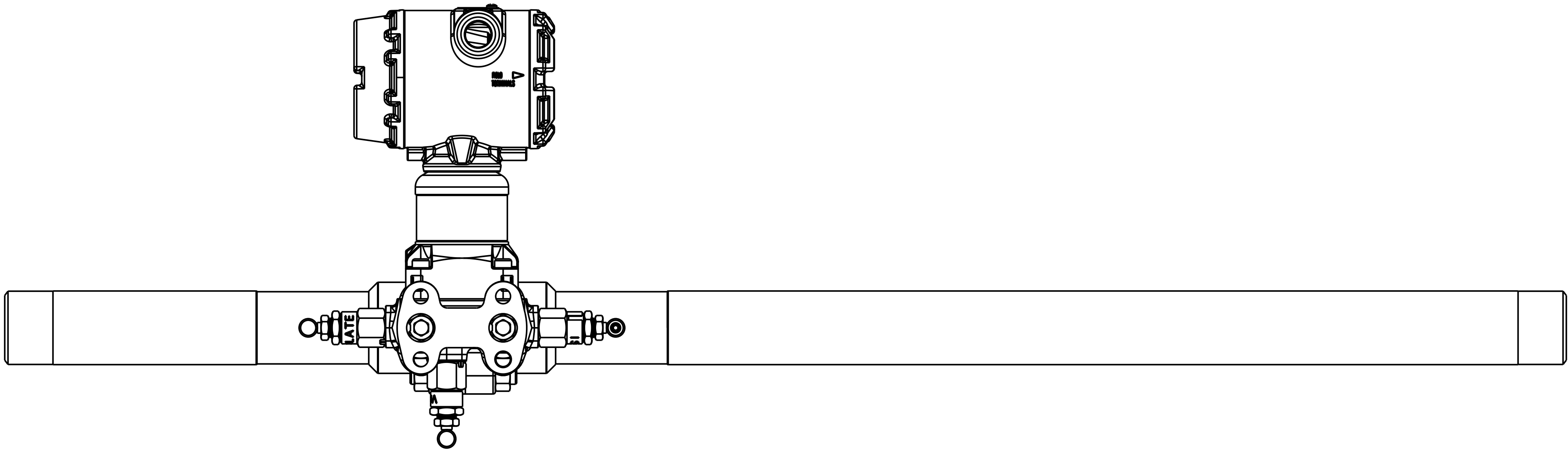
APPD C.HAN | 04/06/16

CAD MAINTAINED, (PROE) SHEET 3 OF 11

3RD ANGLE

SIZE D SCALE NTS

TABLE 5 - BEVELED PIPE ENDS			
DIMENSIONS	LINE SIZE		
	1/2" [12.7]	1" [25.4]	1-1/2" [38.1]
Ø B.D.	.664 [16.9]	1.097 [27.9]	1.567 [39.8]
L	12.54 [318.4]	20.24 [514.0]	28.44 [722.4]
M	5.74 [145.7]	8.75 [222.2]	11.91 [302.6]
TOTAL ± .13 [±3.3]	18.27 [464.1]	28.98 [736.1]	40.35 [1024.9]



BEVELED PIPE ENDS

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3RD ANGLE

EMERSON

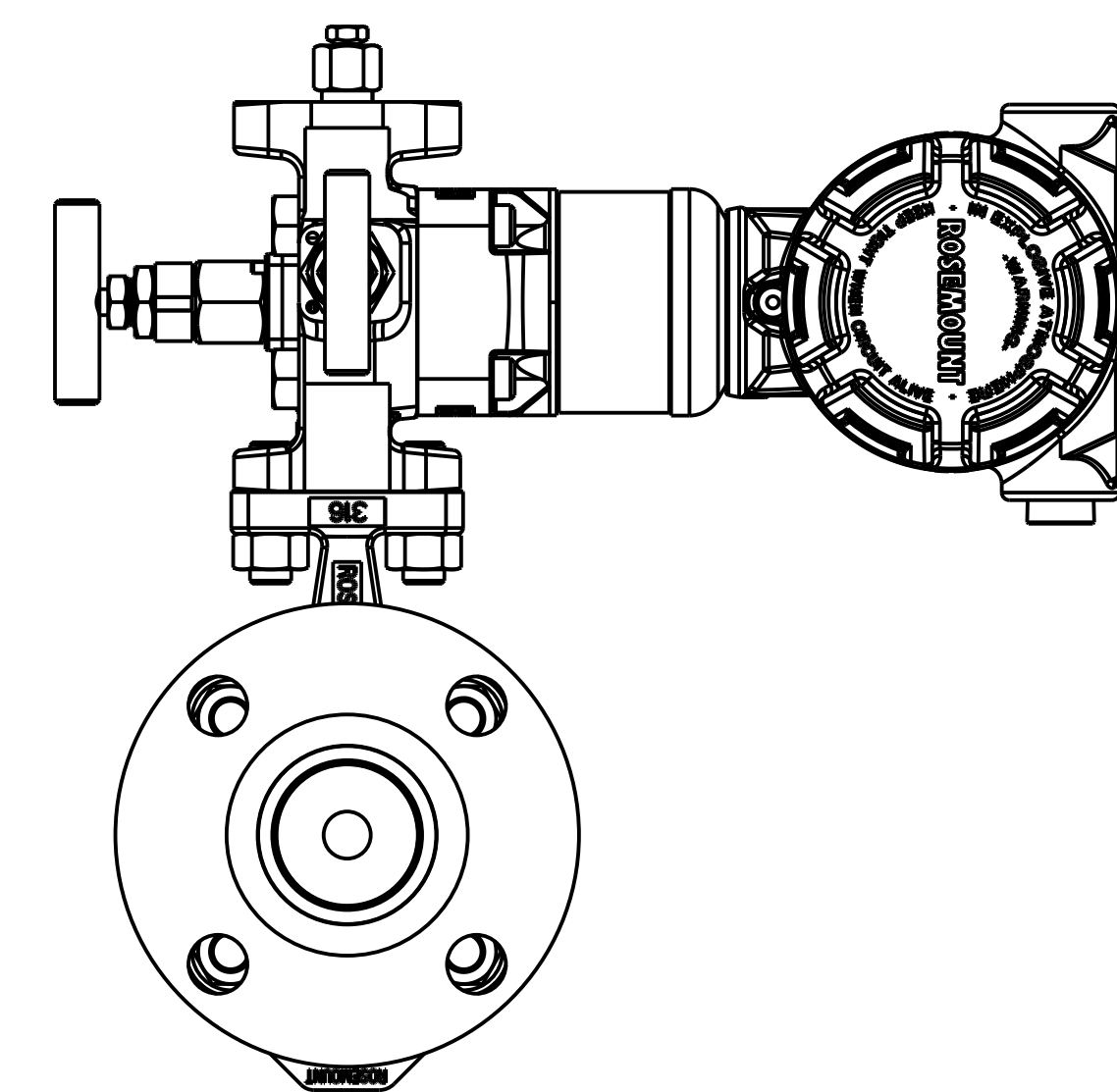
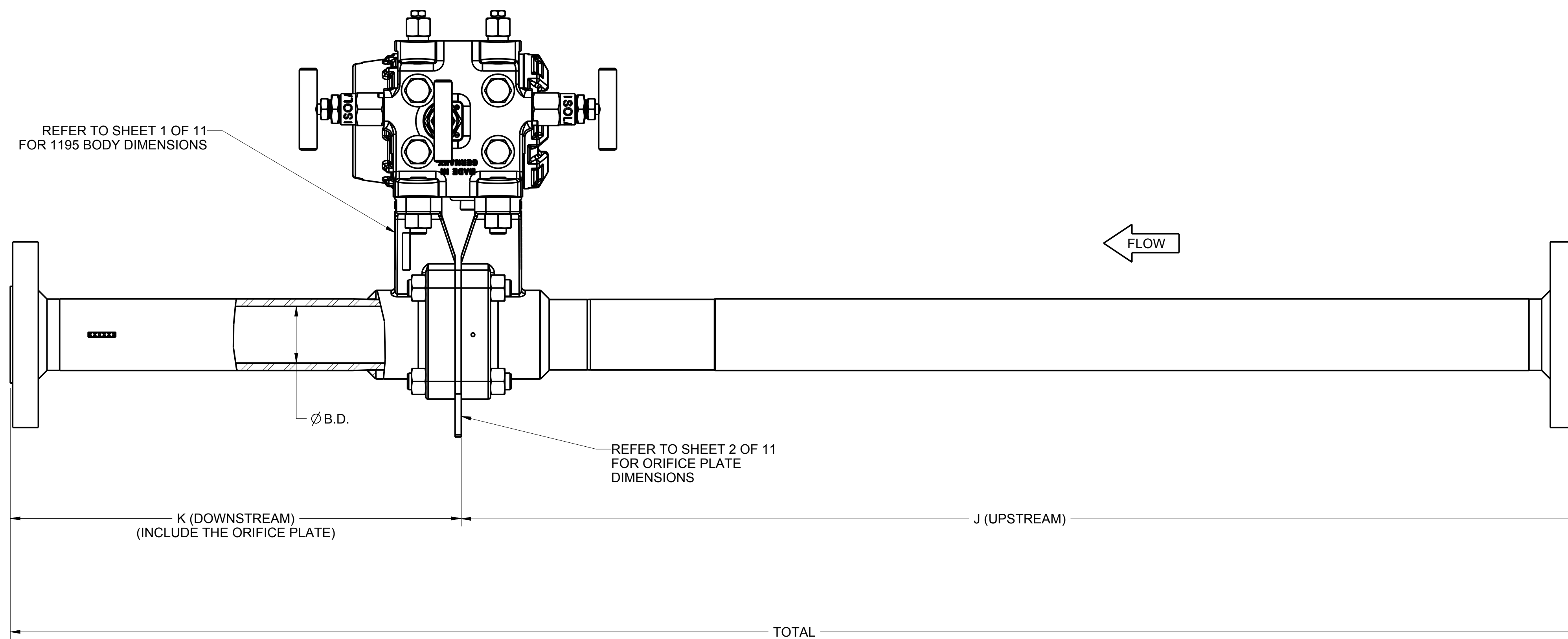
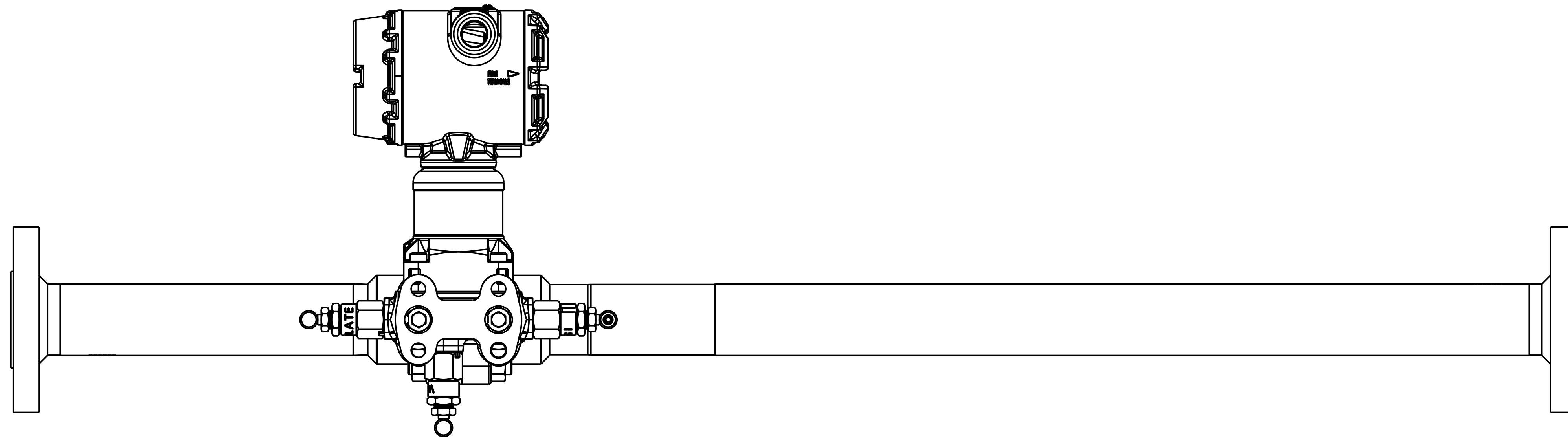
TITLE ROSEMOUNT TOP ASSEMBLY, 1195 4-BOLT TYPE I DRAWING

DR. M.ZHENG 04/06/16 DRAWING NO. 01195-1004

APPD C.HAN 04/06/16

CAD MAINTAINED, (PROE) SHEET 4 OF 11

TABLE 6 - SLIP-ON FLANGE PIPE ENDS			
DIMENSIONS	LINE SIZE		
	1/2" [12.7]	1" [25.4]	1-1/2" [38.1]
Ø B.D.	.664 [16.9]	1.097 [27.9]	1.567 [39.8]
J	12.62 [320.4]	20.32 [516.0]	28.52 [724.4]
K	5.82 [147.8]	8.83 [224.2]	11.99 [304.6]
TOTAL ± .25 [±6.4]	18.43 [468.2]	29.14 [740.2]	40.51 [1029.0]



SLIP-ON FLANGE PIPE ENDS

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TITLE ROSEMOUNT TOP ASSEMBLY, 1195 4-BOLT TYPE I DRAWING

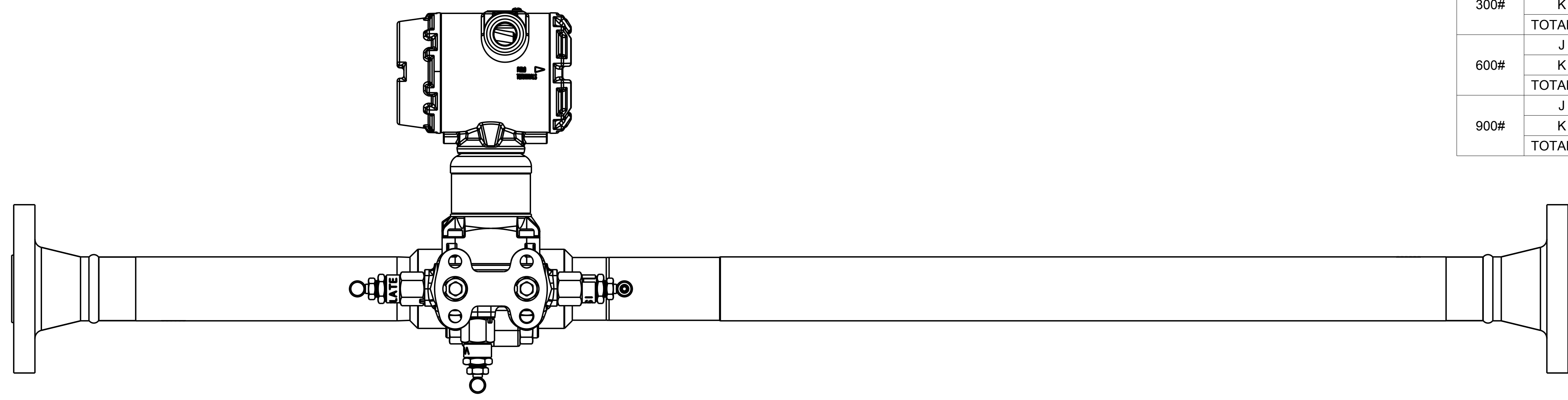
DR. M.ZHENG	04/06/16	DRAWING NO.	01195-1004
APPD C.HAN	04/06/16		
CAD MAINTAINED, (PROE)			SHEET 5 OF 11

3RD ANGLE

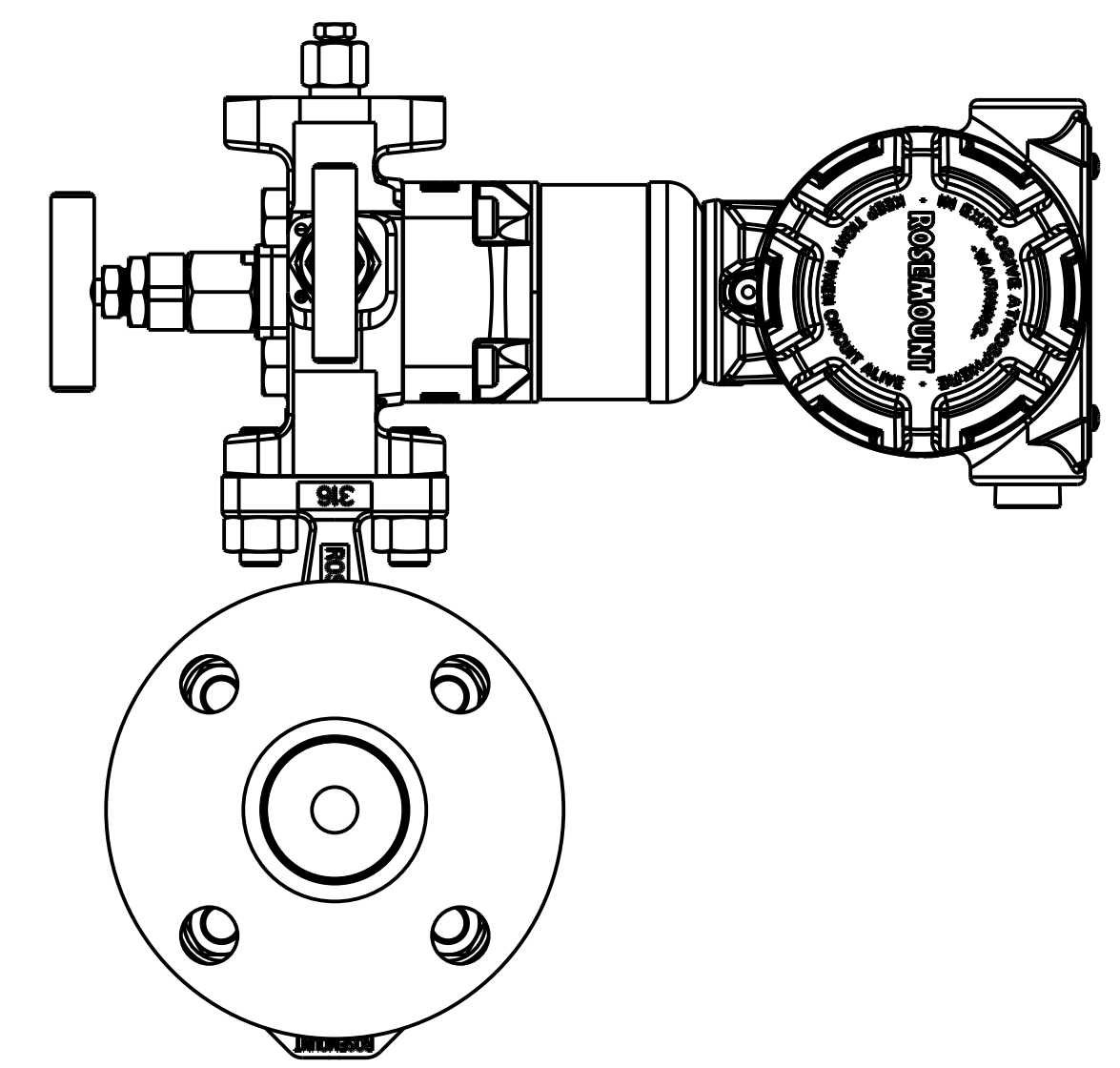
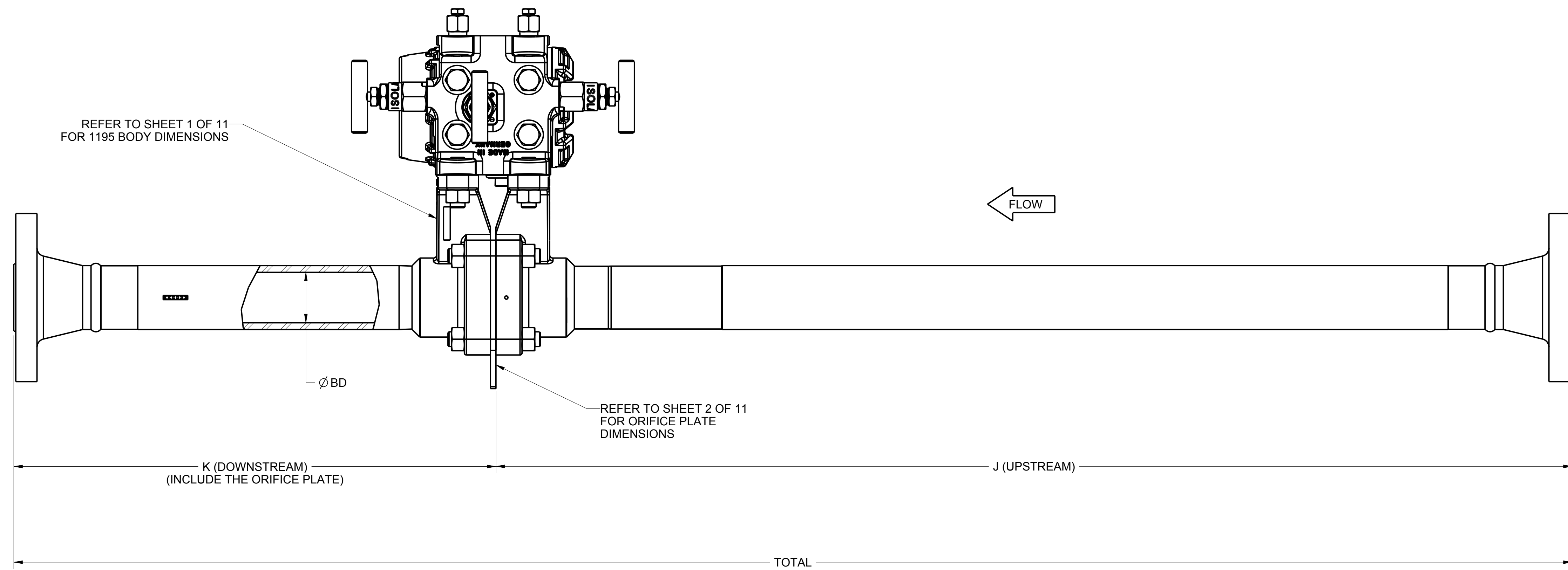
SIZE D

SCALE NTS

TABLE 7 - WELD NECK FLANGE PIPE ENDS				
FLANGE RATING	DIMENSIONS	LINE SIZE		
		1/2" [12.7]	1" [25.4]	1-1/2" [38.1]
	Ø B.D.	.664 [16.9]	1.097 [27.9]	1.567 [39.8]
150#	J (RF150#)	14.37 [364.9]	22.37 [568.1]	30.82 [782.9]
	K (RF150#)	7.57 [192.3]	10.88 [276.3]	14.29 [363.1]
	TOTAL ± .25 [±6.4]	21.94 [557.2]	33.25 [844.5]	45.12 [1146.0]
300#	J (RF300#)	14.56 [369.8]	22.63 [574.7]	31.06 [788.9]
	K (RF300#)	7.76 [197.1]	11.14 [282.9]	14.53 [369.2]
	TOTAL ± .25 [±6.4]	22.32 [566.9]	33.77 [857.7]	45.60 [1158.2]
600#	J (RF600#)	14.81 [376.0]	22.88 [581.0]	31.38 [797.1]
	K (RF600#)	8.01 [203.4]	11.39 [289.2]	14.85 [377.2]
	TOTAL ± .25 [±6.4]	22.81 [579.4]	34.26 [870.3]	46.23 [1174.3]
900#	J (RF900#)	15.13 [384.3]	23.32 [592.3]	31.88 [809.8]
	K (RF900#)	8.33 [211.6]	11.83 [300.5]	15.35 [389.9]
	TOTAL ± .25 [±6.4]	23.46 [595.9]	35.15 [892.8]	47.23 [1199.6]



WELD NECK FLANGE
ANSI 150#, 300#, 600# & 900#



WELD NECK FLANGE PIPE ENDS

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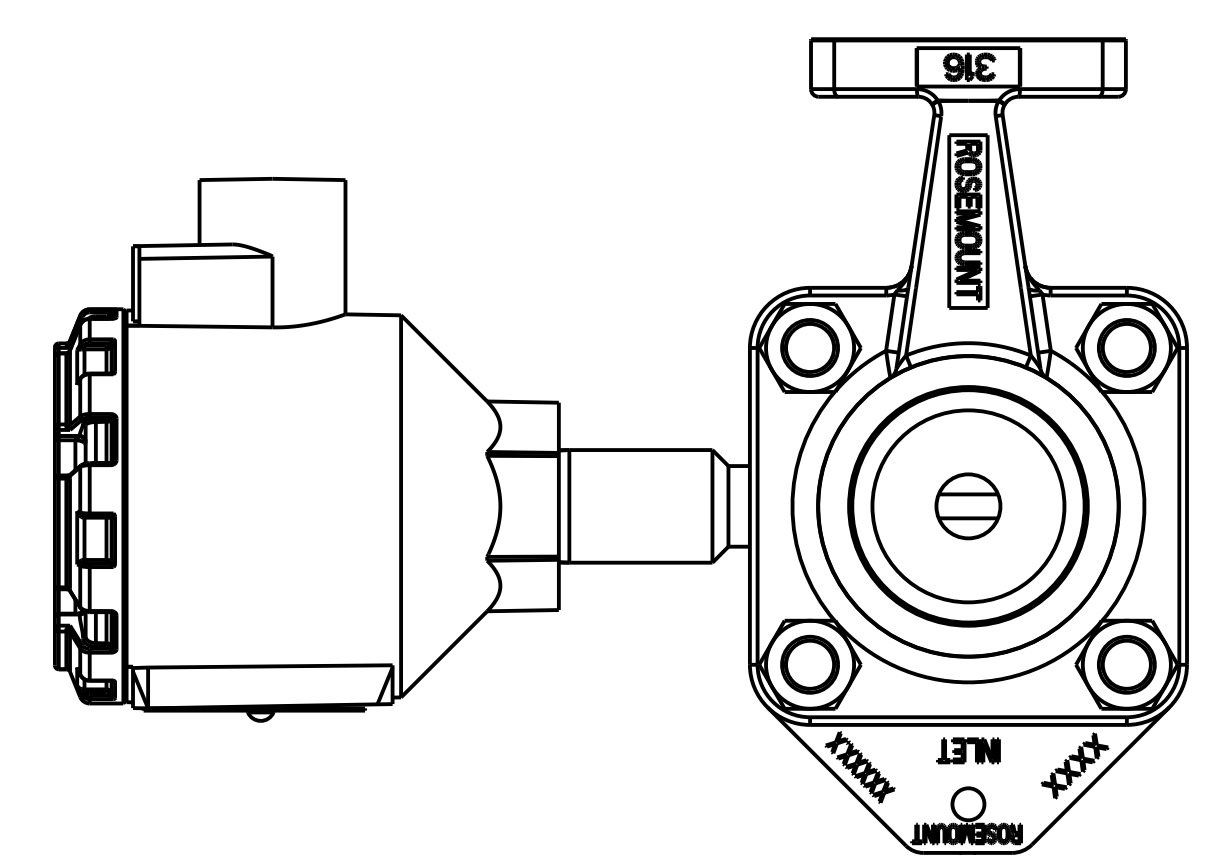
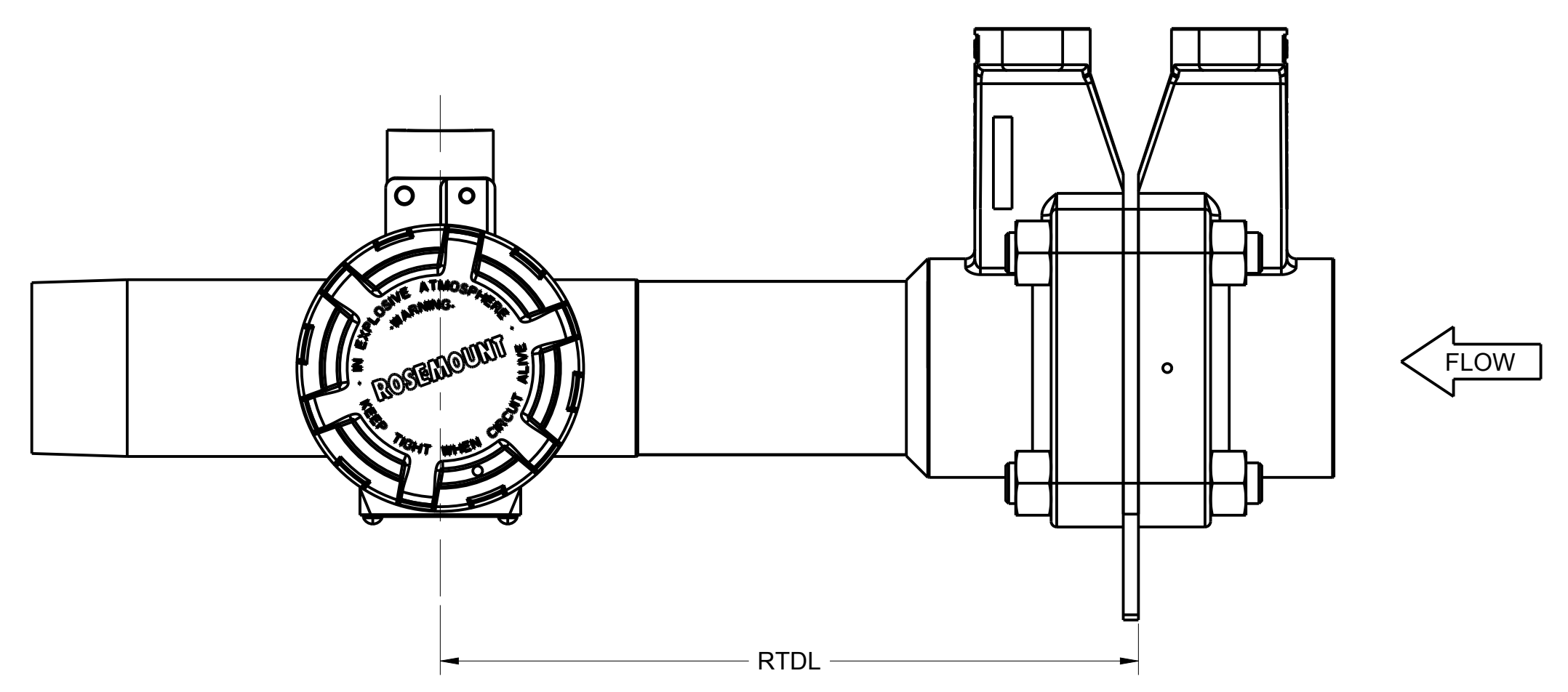
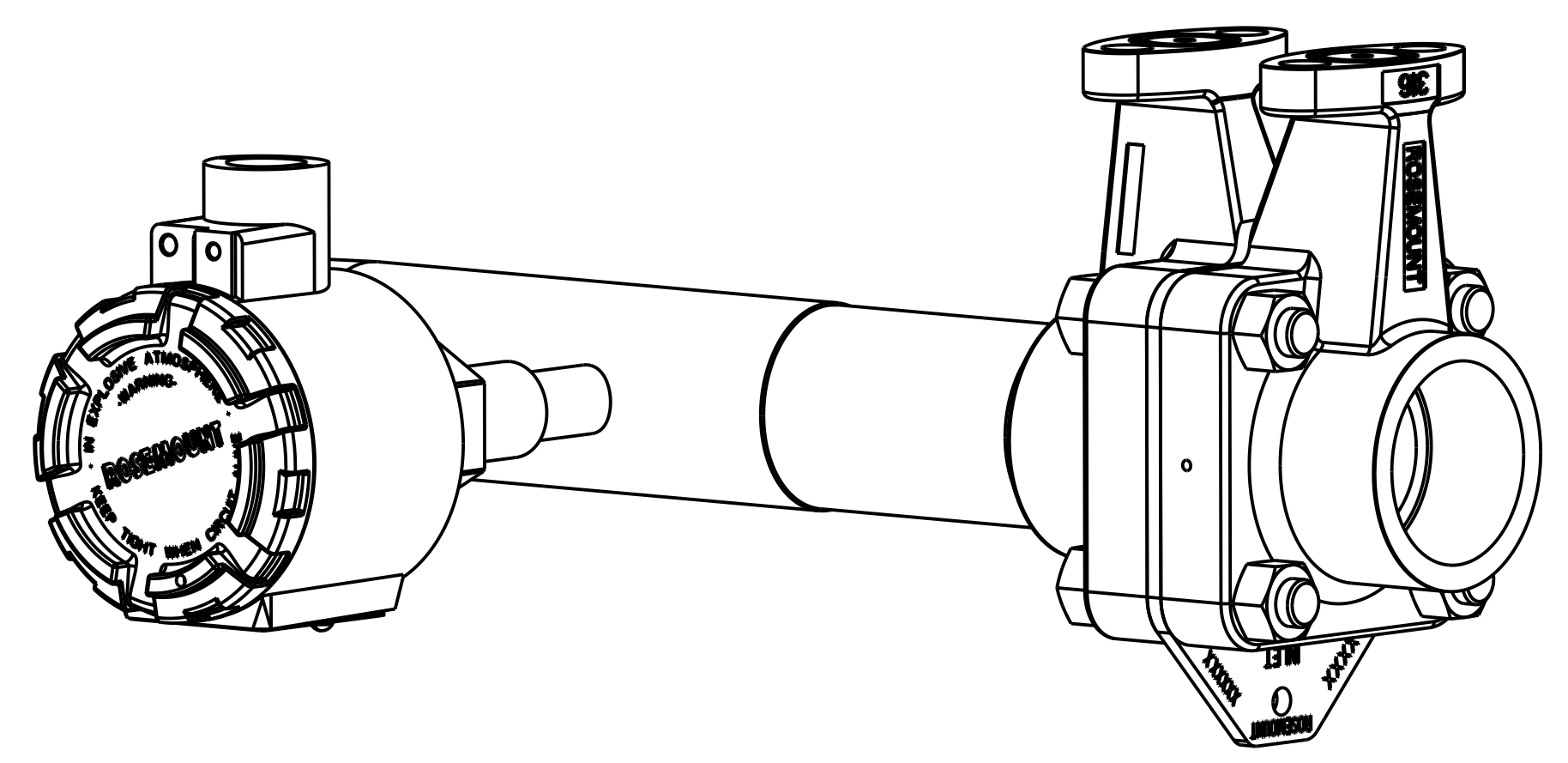
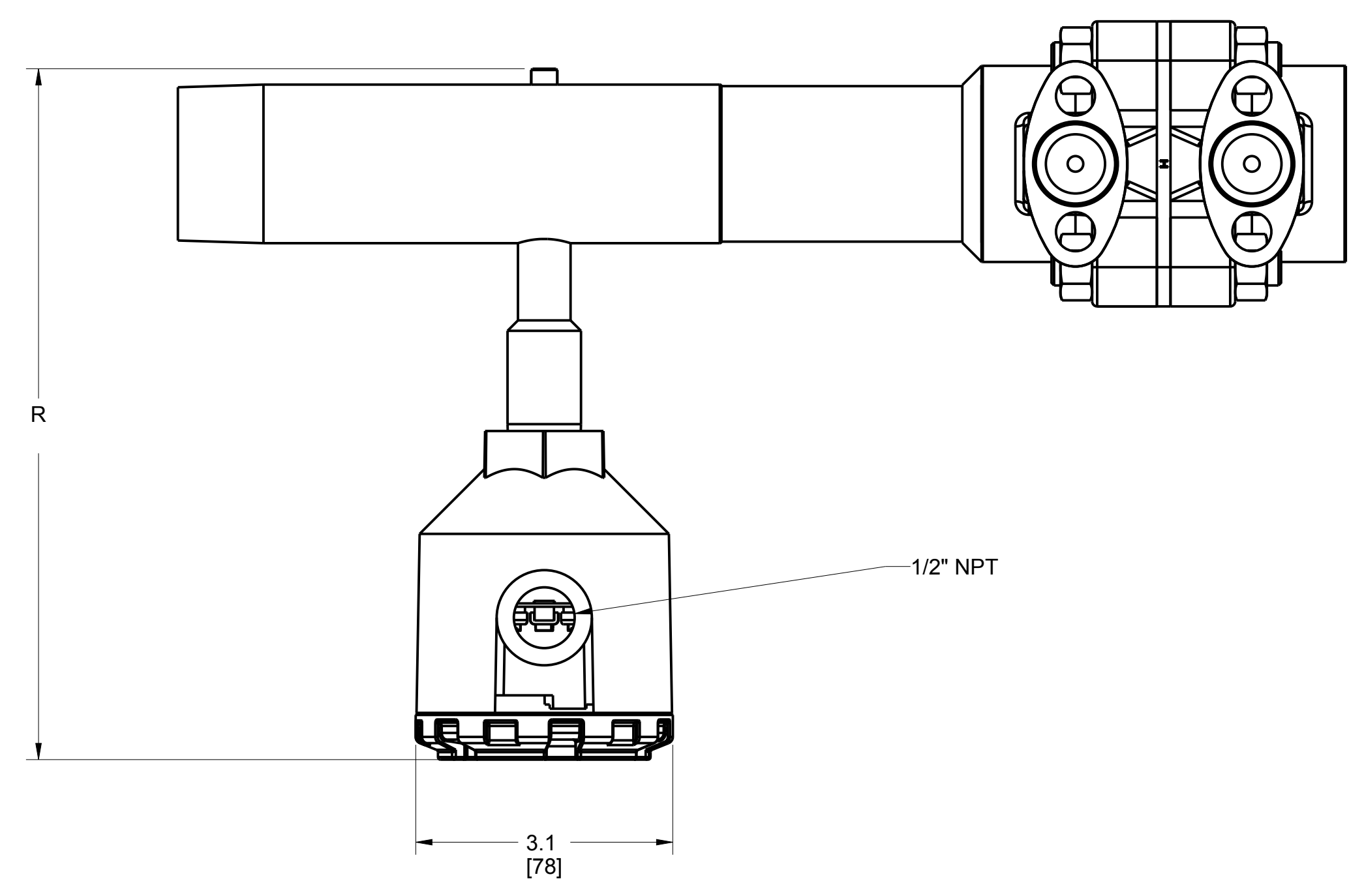
TITLE ROSEMOUNT TOP ASSEMBLY, 1195 4-BOLT
TYPE I DRAWING

DR. M.ZHENG 04/06/16 DRAWING NO. 01195-1004
APPD C.HAN 04/06/16
CAD MAINTAINED, (PROE) SHEET 6 OF 11

3RD ANGLE

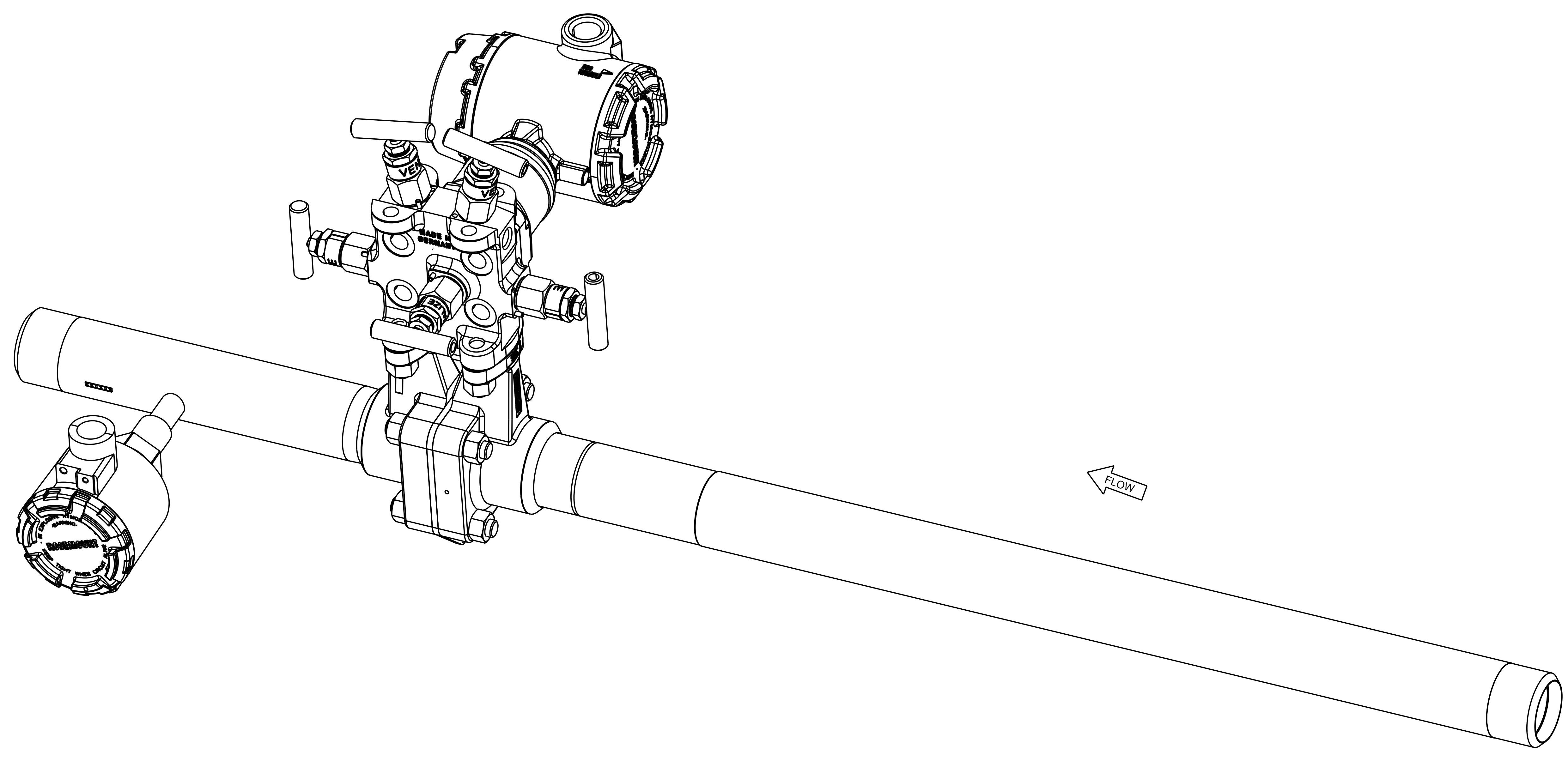
SIZE D SCALE NTS

TABLE 8 - OPTIONAL RTD TEMPERATURE CONNECTION			
DIMENSIONS	LINE SIZE		
	1/2" [12.7]	1" [25.4]	1-1/2" [38.1]
R	7.4 [188]	7.8 [198]	8.4 [213]
RTDL	3.1 [78.9]	5.25 [133.4]	7.50 [190.5]



OPTIONAL TEMPERATURE SENSOR

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	TITLE ROSEMOUNT TOP ASSEMBLY, 1195 4-BOLT TYPE I DRAWING		
	DR. M.ZHENG 04/06/16 DRAWING NO.	01195-1004	
APPD C.HAN 04/06/16			
CAD MAINTAINED, (PROE)	SHEET 7 OF 11		

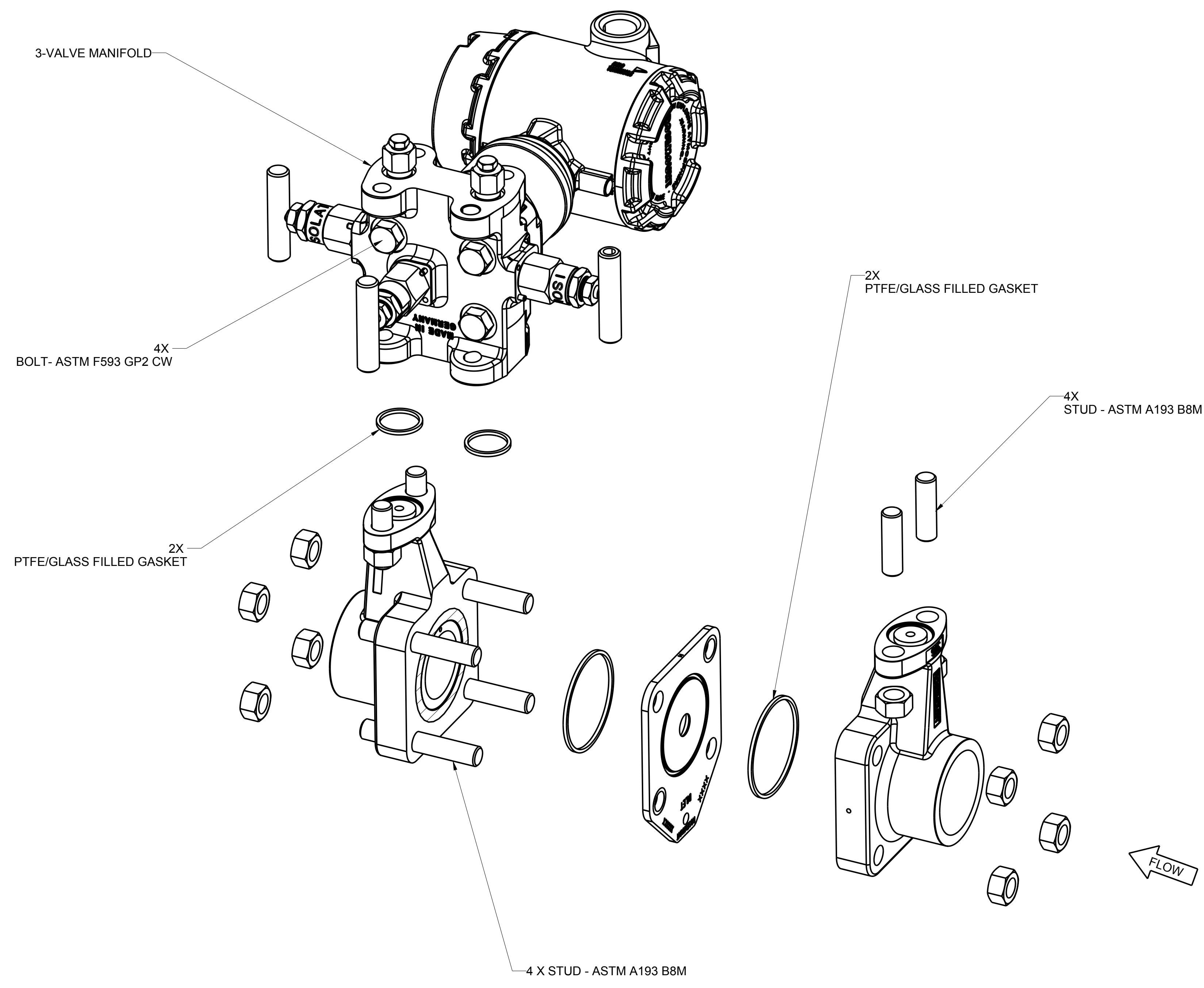


3051SFP (SHOWN)
 DIRECT MOUNT 3051SMV TRANSMITTER (W/TEMPERATURE)
 AND 5-VALVE MANIFOLD
 (TYP EXAMPLE / 3051CFP AND 2051CFP AVAILABLE)

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	TITLE ROSEMOUNT TOP ASSEMBLY, 1195 4-BOLT TYPE I DRAWING		
	DR. M.ZHENG 04/06/16 DRAWING NO.	01195-1004	
APP'D C.HAN 04/06/16			
CAD MAINTAINED, (PROE)	SHEET 8 OF 11		

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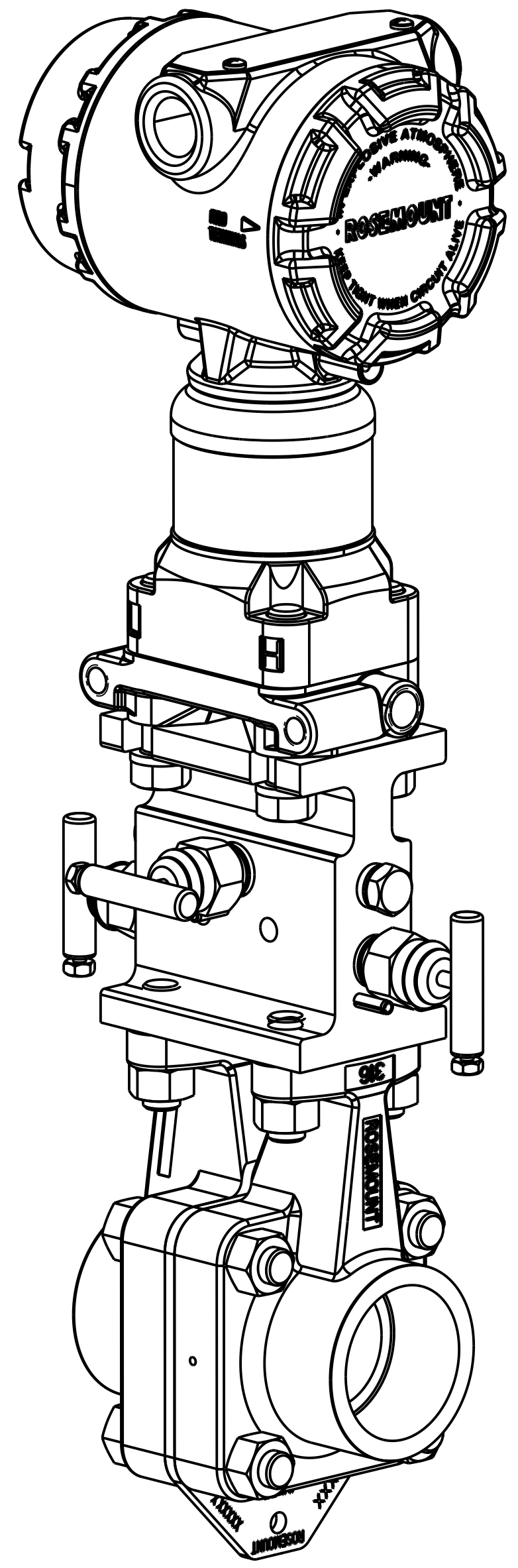
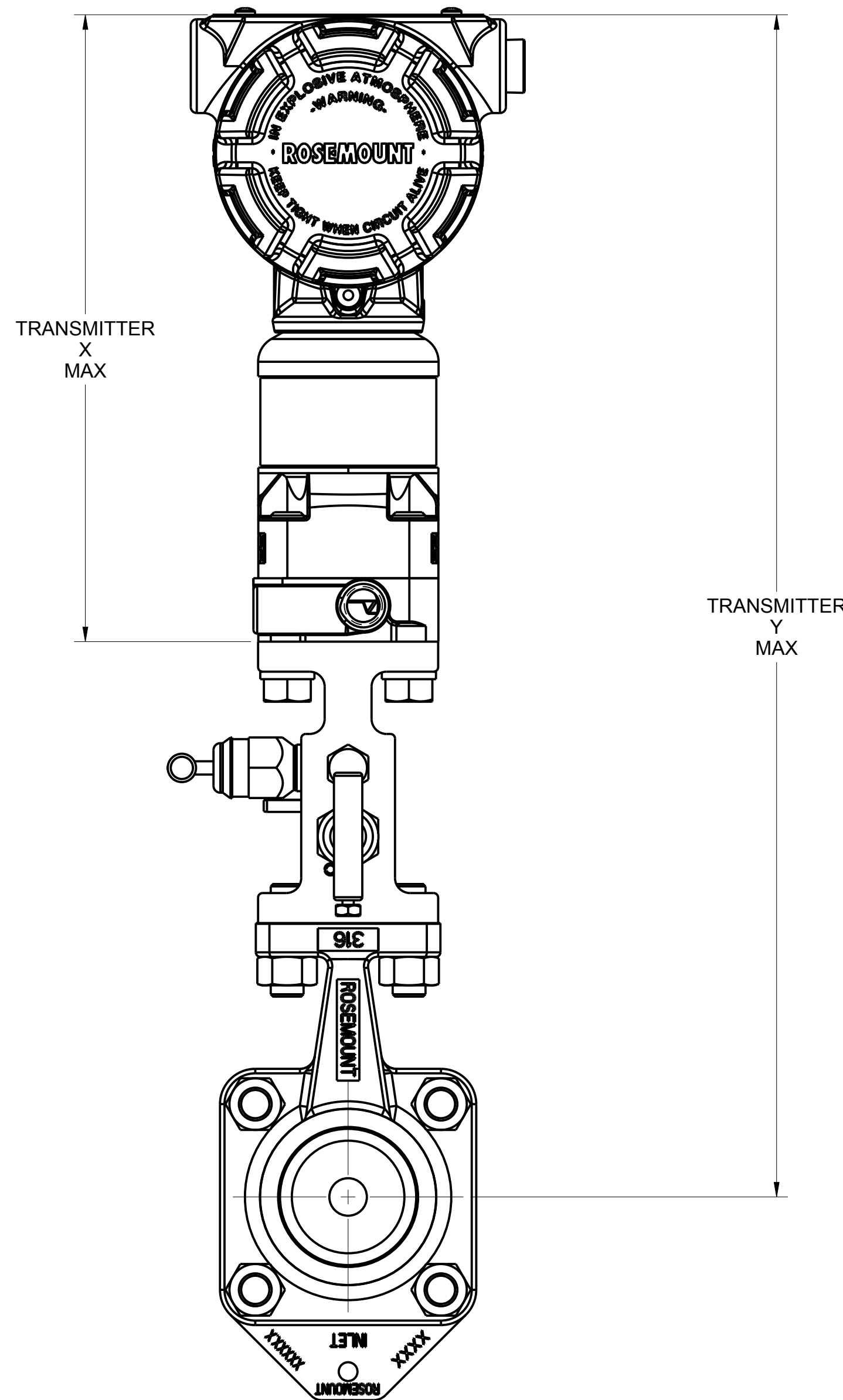
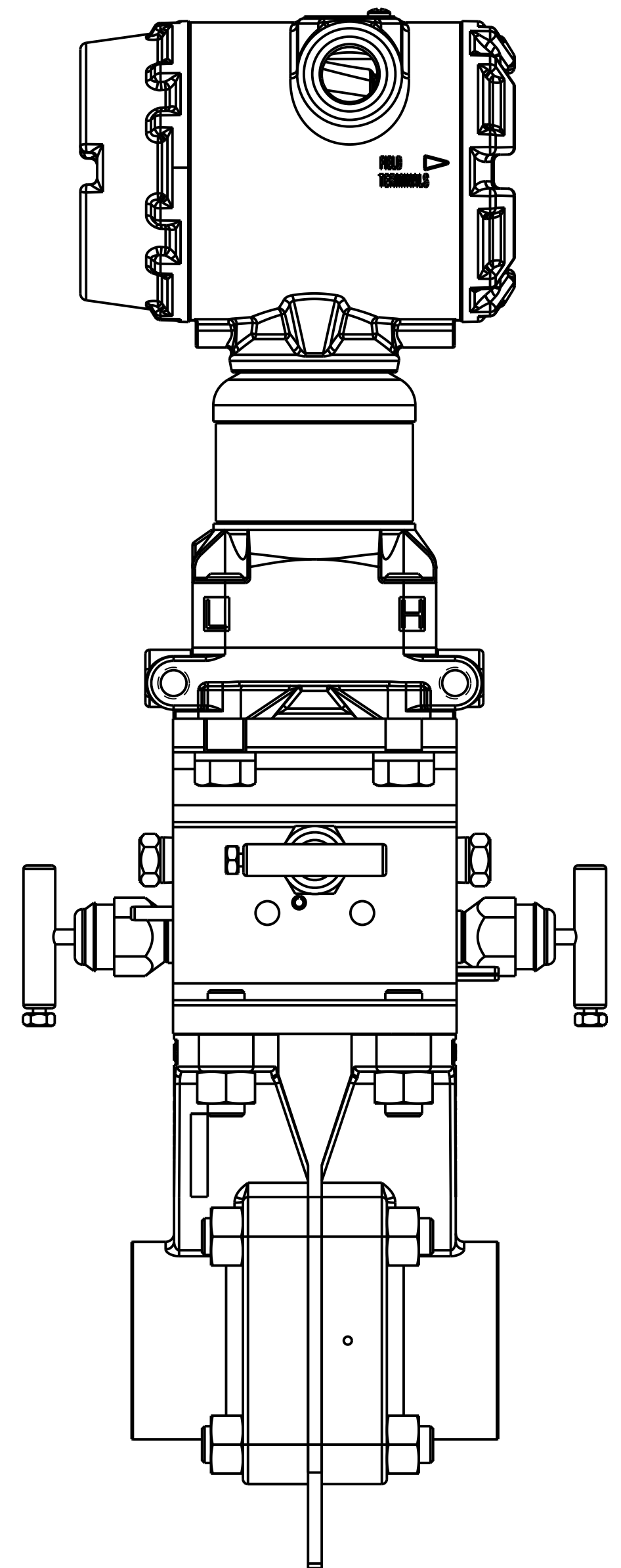
A
B
C
D
E
F
G
H
J
K
L
M



TRANSMITTER MANIFOLD ASSEMBLY
CONNECT WITH 1195
EXPLODED VIEW

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	TITLE ROSEMOUNT TOP ASSEMBLY, 1195 4-BOLT TYPE I DRAWING		
	DR. M.ZHENG 04/06/16 DRAWING NO.	01195-1004	
APP'D C.HAN 04/06/16			
CAD MAINTAINED, (PROE)	SHEET 9 OF 11		

FLOWMETER	TRANSMITTER X	TRANSMITTER Y		
		LINE SIZE 1/2" [12.7]	LINE SIZE 1" [25.4]	LINE SIZE 1-1/2" [38.1]
2051CFP	7.03 [178.5]	13.85 [351.8]	14.10 [358.1]	14.50 [368.3]
3051CFP	7.12 [181.0]	13.92 [353.6]	14.17 [359.9]	14.57 [370.1]
3051SFP	8.55 [217.0]	15.37 [390.4]	15.62 [396.7]	16.02 [406.9]



DIRECT MOUNT TRANSMITTER AND MANIFOLD
WHEN B31.1, B31.3, B31.8 (J2, J3, J4) OR C-276
MANIFOLD (D4, D6) ARE SELECTED.

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REFERENCE ROSEMOUNT
PRODUCT SPECIFICATIONS.
CLICK HERE

3RD ANGLE

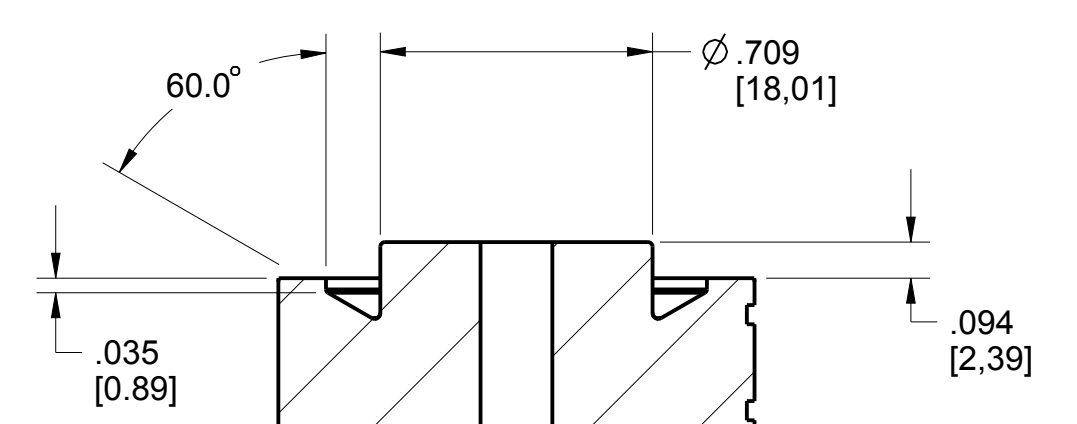
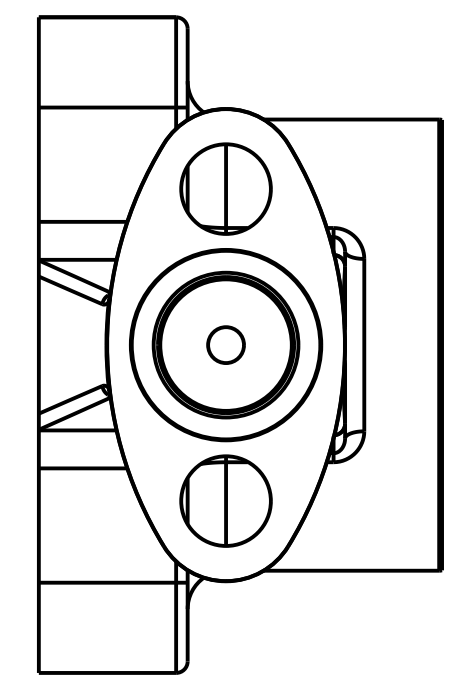
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TYPE I DRAWING

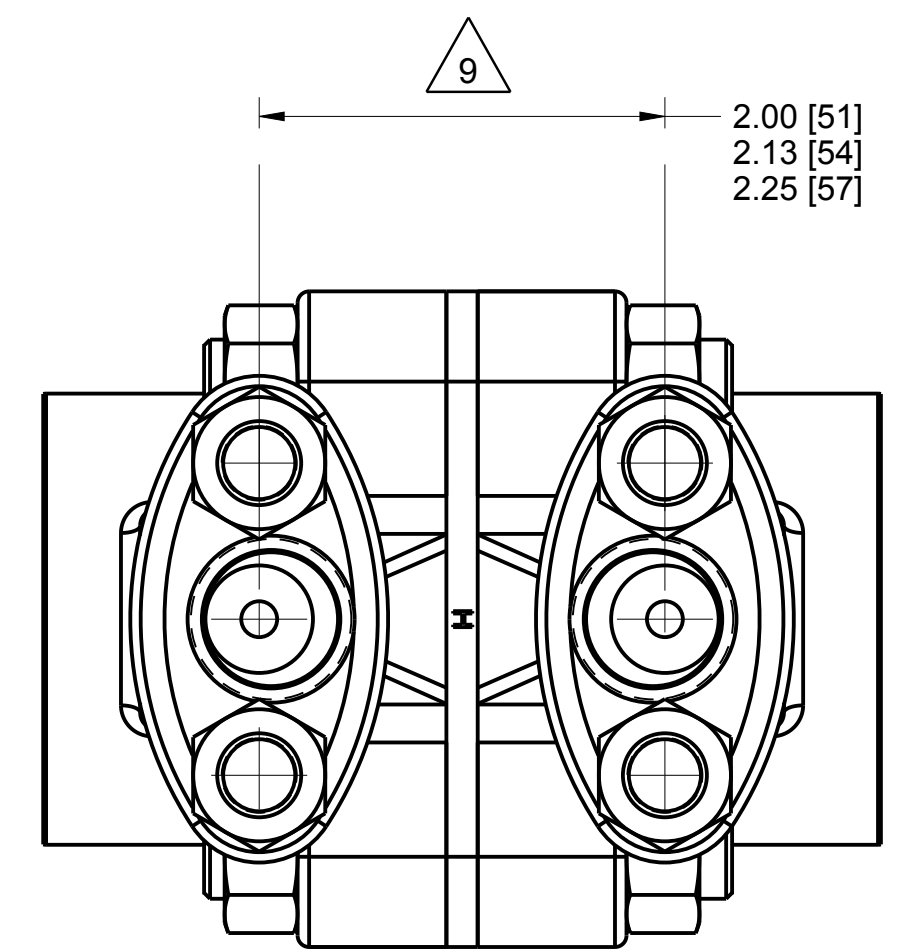
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APPD C.HAN 04/06/16
CAD MAINTAINED, (PROE) SHEET 10 OF 11

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A B C D E F G H J K L M



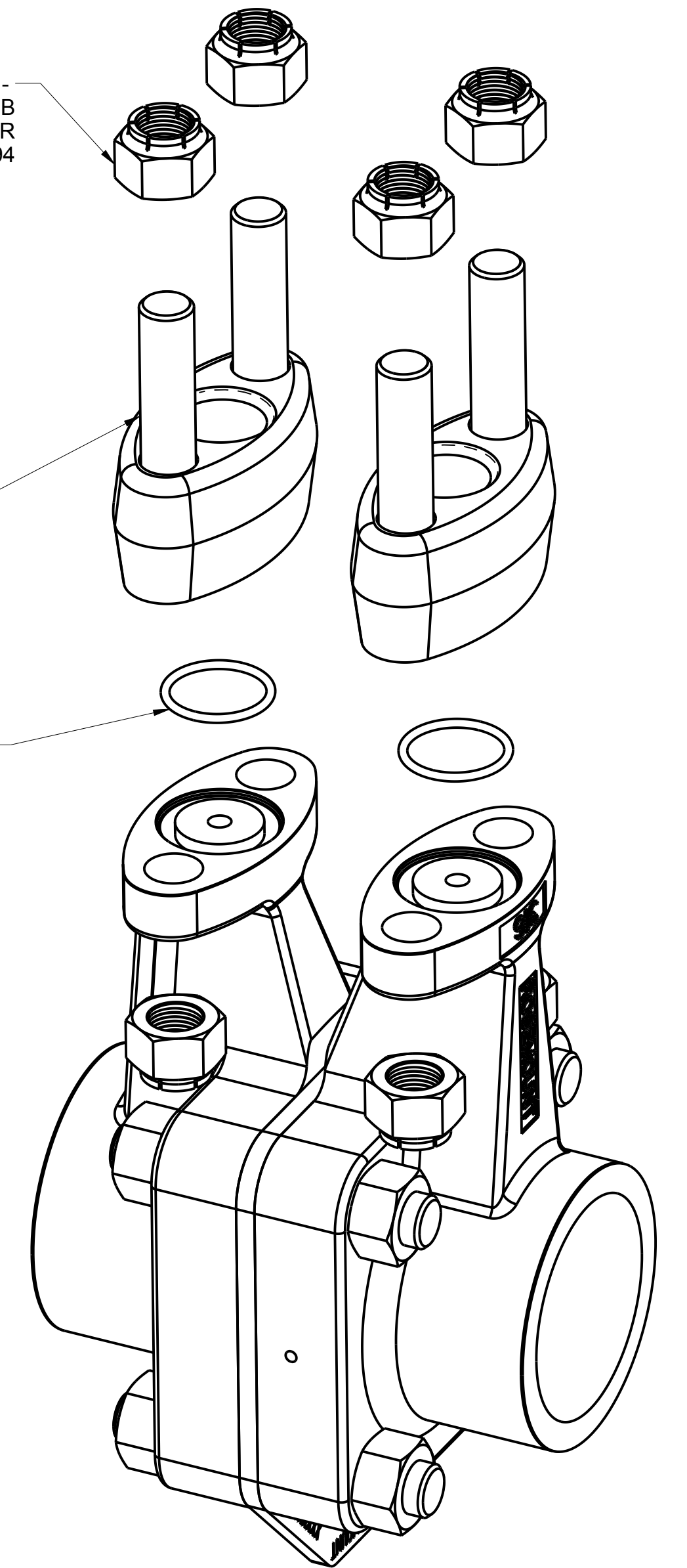
DETAIL A
SCALE 2/1



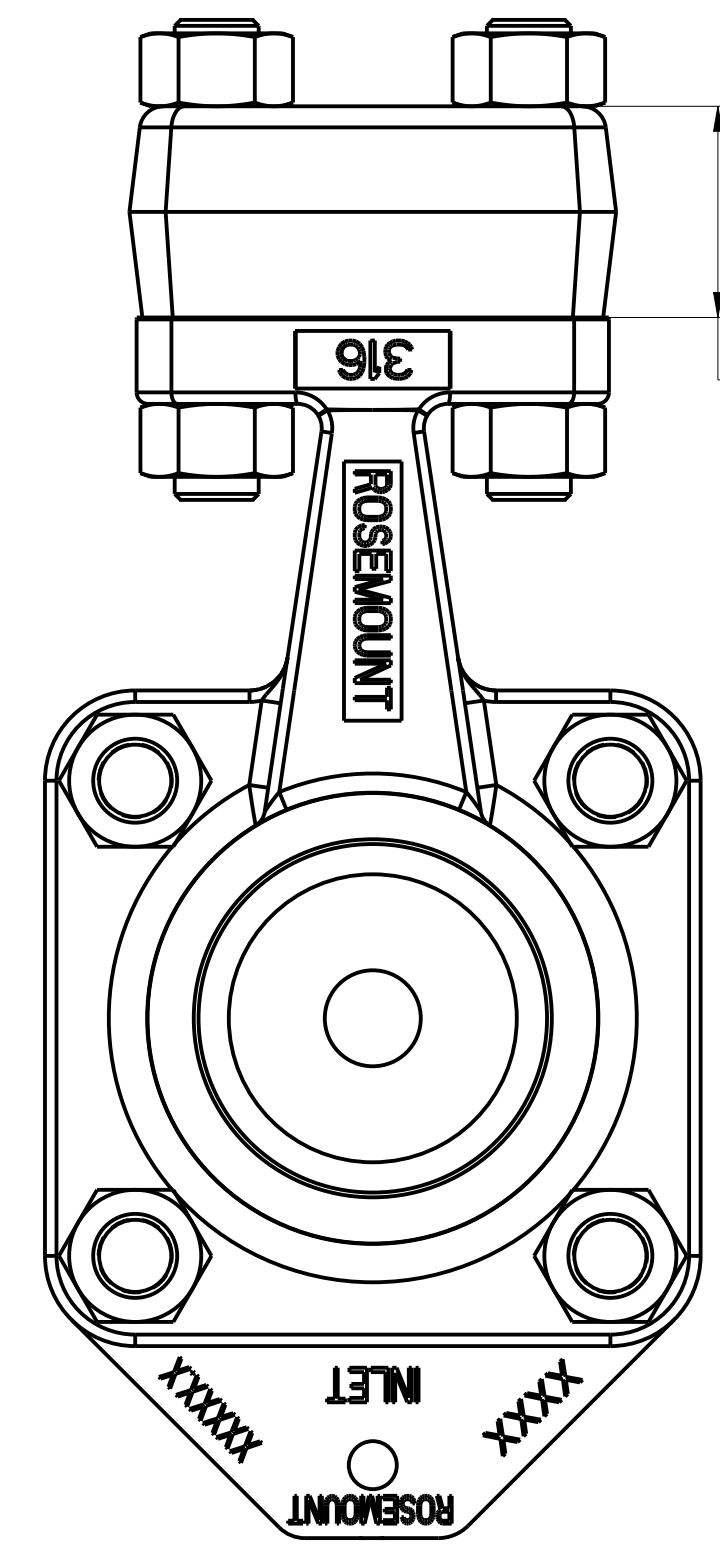
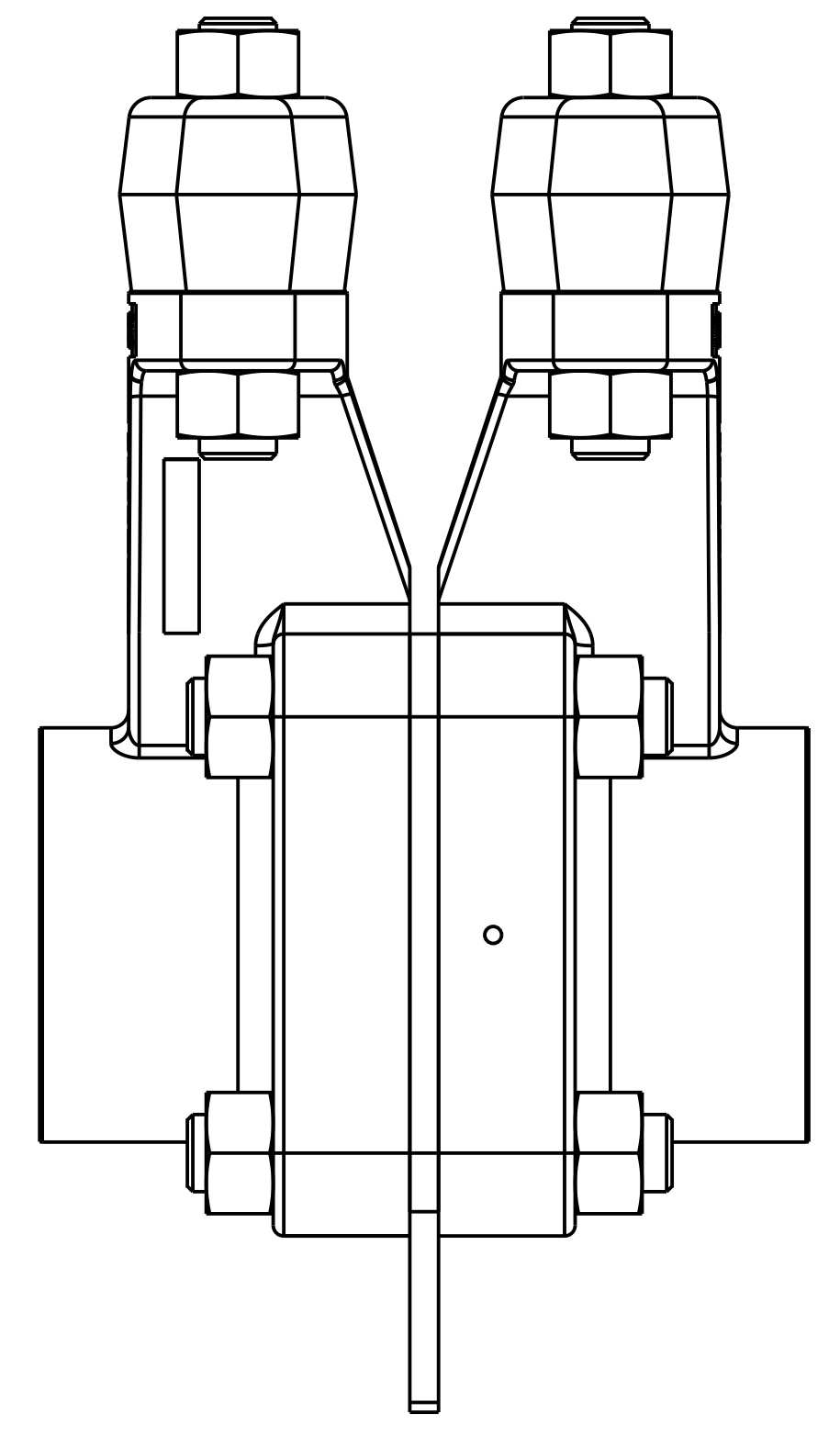
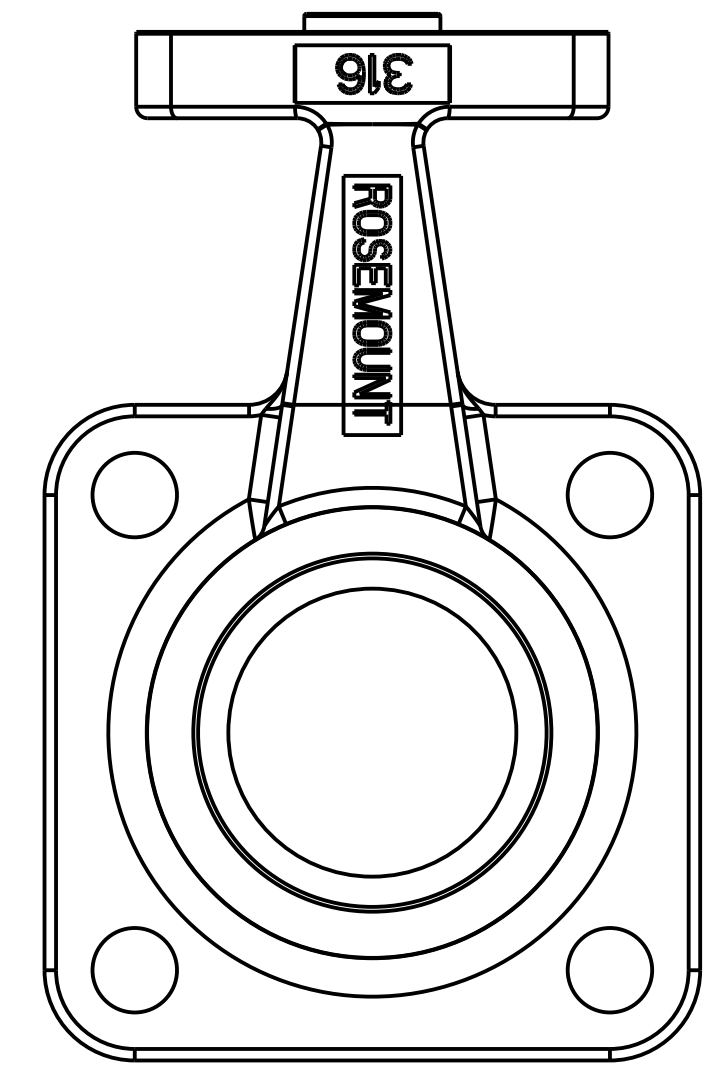
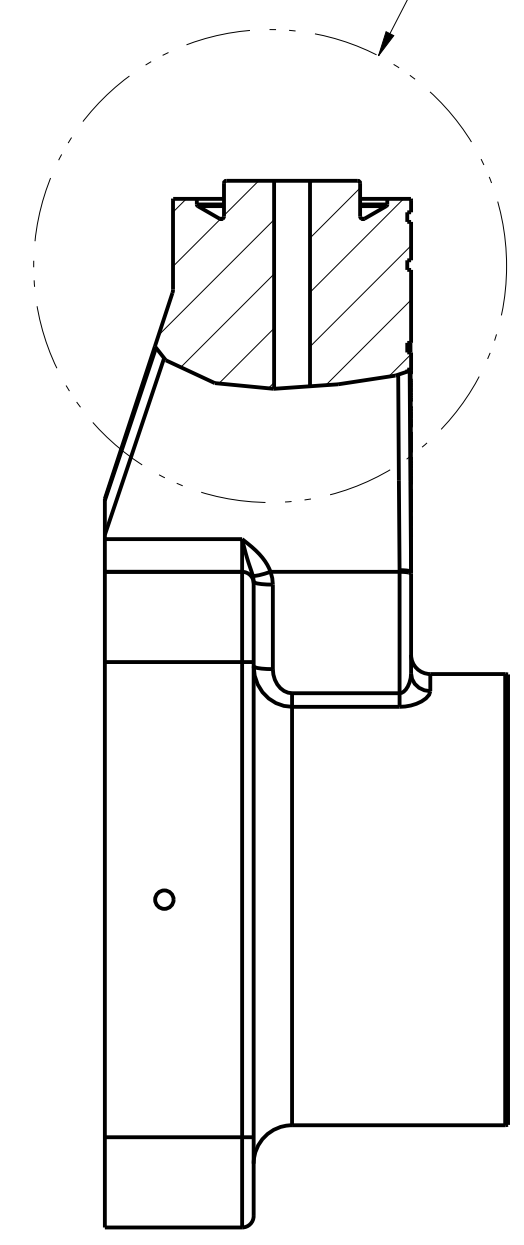
8X NUT -
CORROSION RES, AUSTINIC, 7/16-20 UNJF-3B
OR
316SS, 7/16-20 ASTM A194

4X STUD -
ASTM A-193 GR B8M GLASS2
OR
ASTM A-193 GR B8M GLASS1

2X
INCONEL X-750 METAL GASKET
OR
PTFE/GLASS FILLED GASKET



SEE DETAIL A



1.10
[27.9]

DIN 19231 TRANSMITTER
CONNECTION

ADAPTER FOR REMOTE MOUNTING

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APPD C.HAN 04/06/16			
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