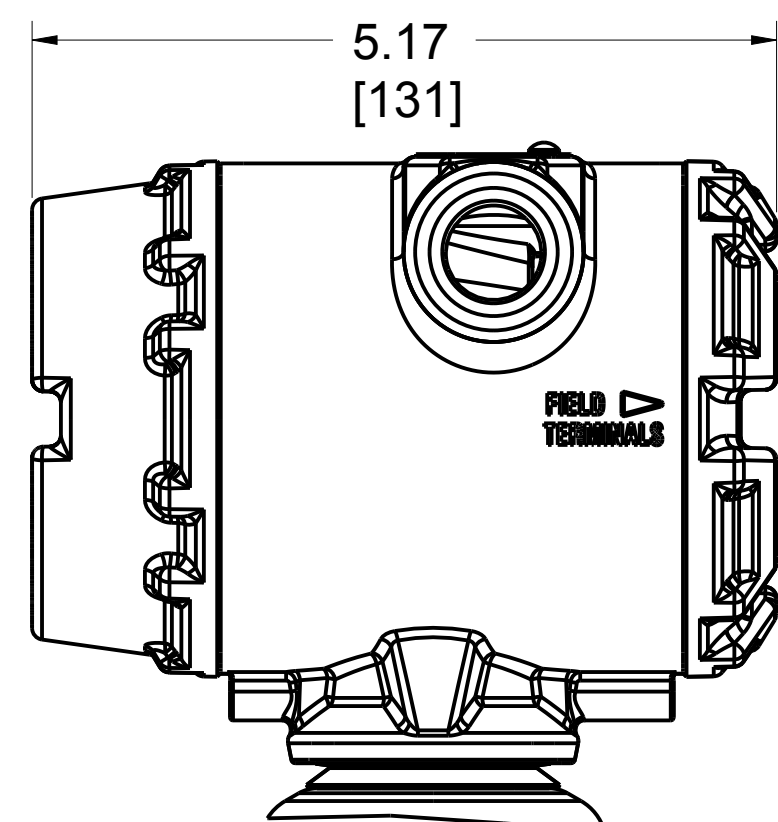


ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER COPLANAR FLANGE PROCESS CONNECTION

REVISION TABLE			
REVISION	ECO NO.	APP'D	DATE
AD	RTC1071407	S. THOMPSON	9/12/18
DESCRIPTION			
UPDATE WITH THE NEW RCW DESIGN			

PLANTWEB HOUSING
SHOWN WITH OPTIONAL DIGITAL DISPLAY

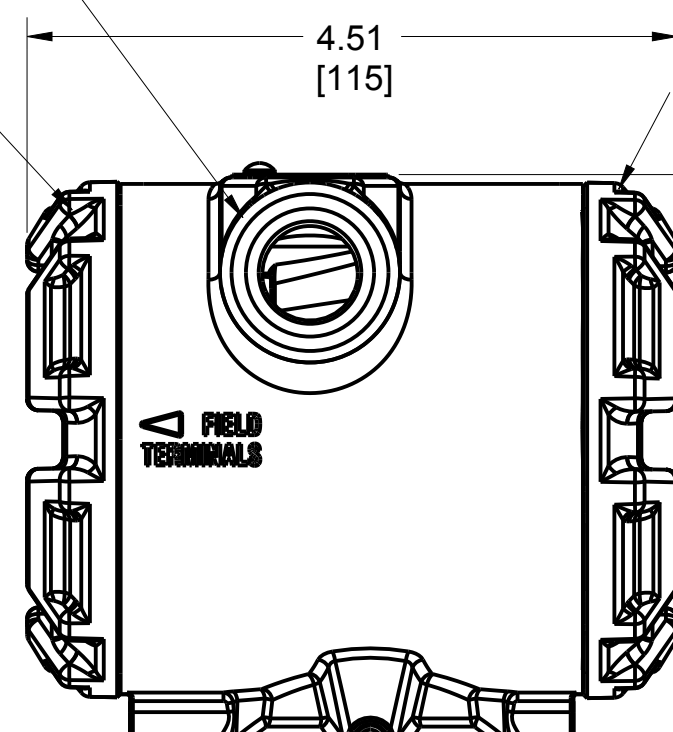


CONDUIT CONNECTION
(2 PLACES)

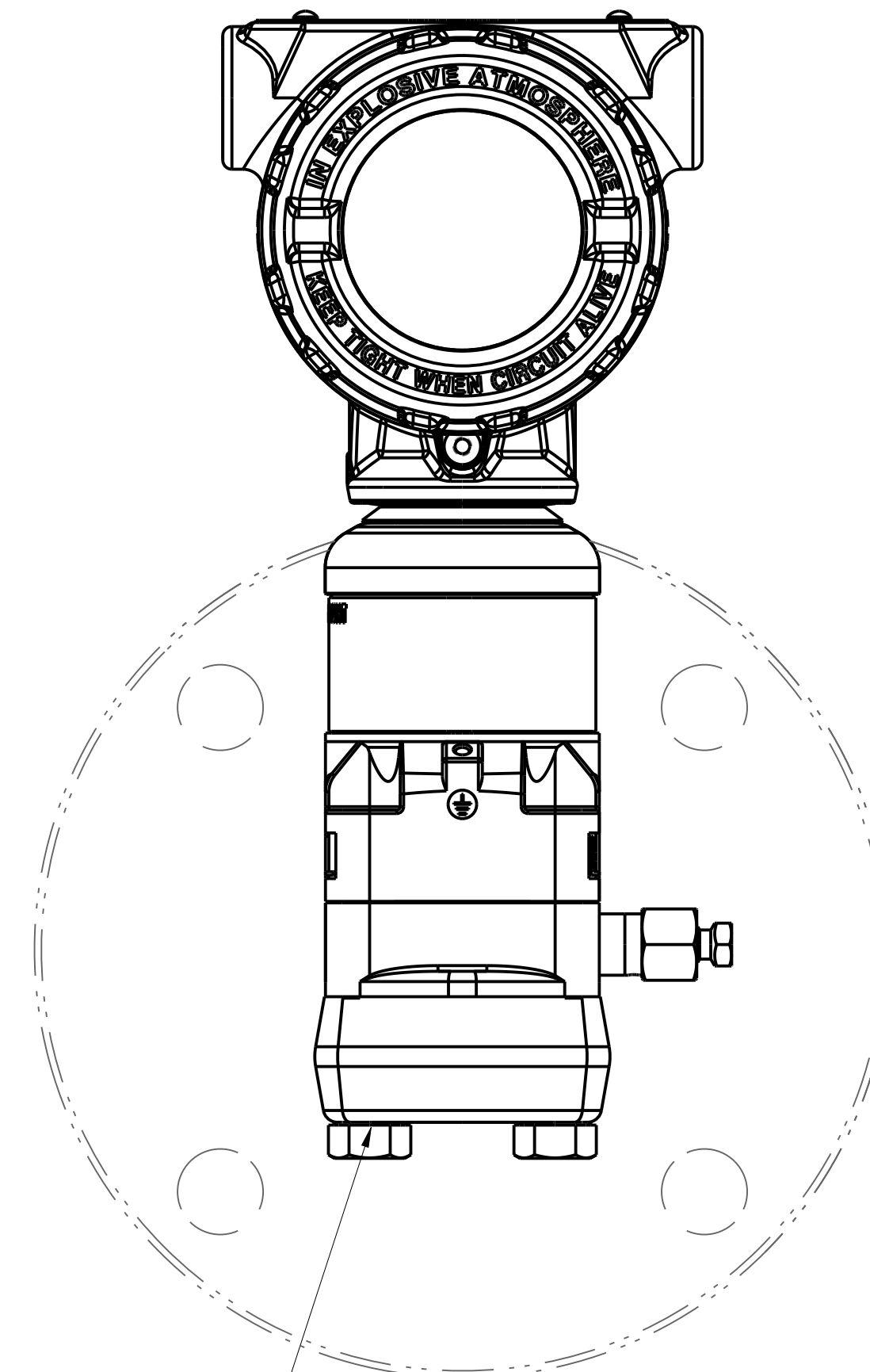
FIELD TERMINALS
(THIS SIDE)

PLANTWEB HOUSING

TRANSMITTER
ELECTRONICS
(THIS SIDE)

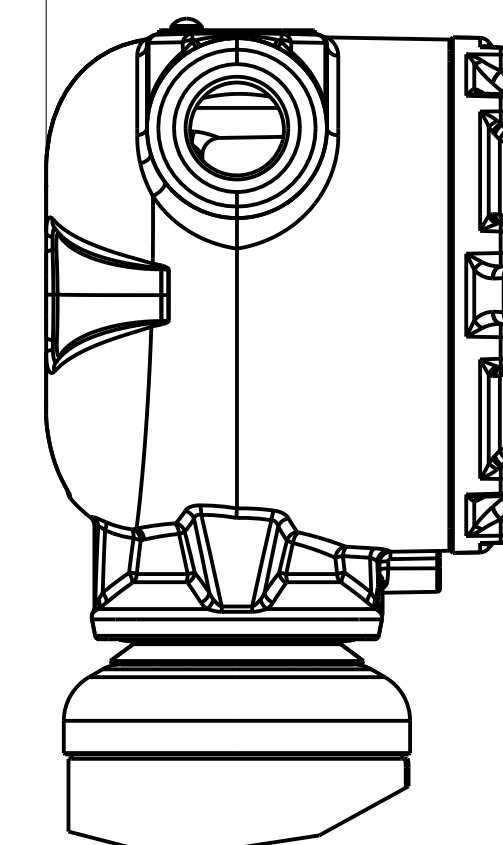


PLANTWEB OR JUNCTION BOX HOUSING

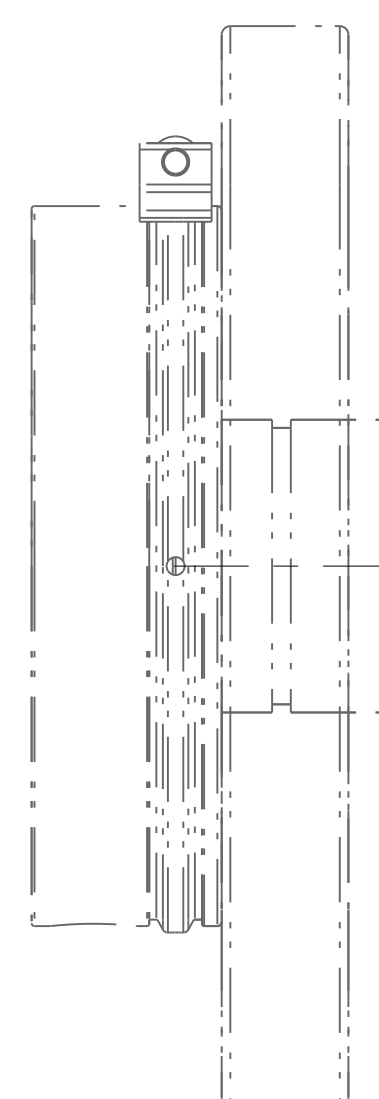
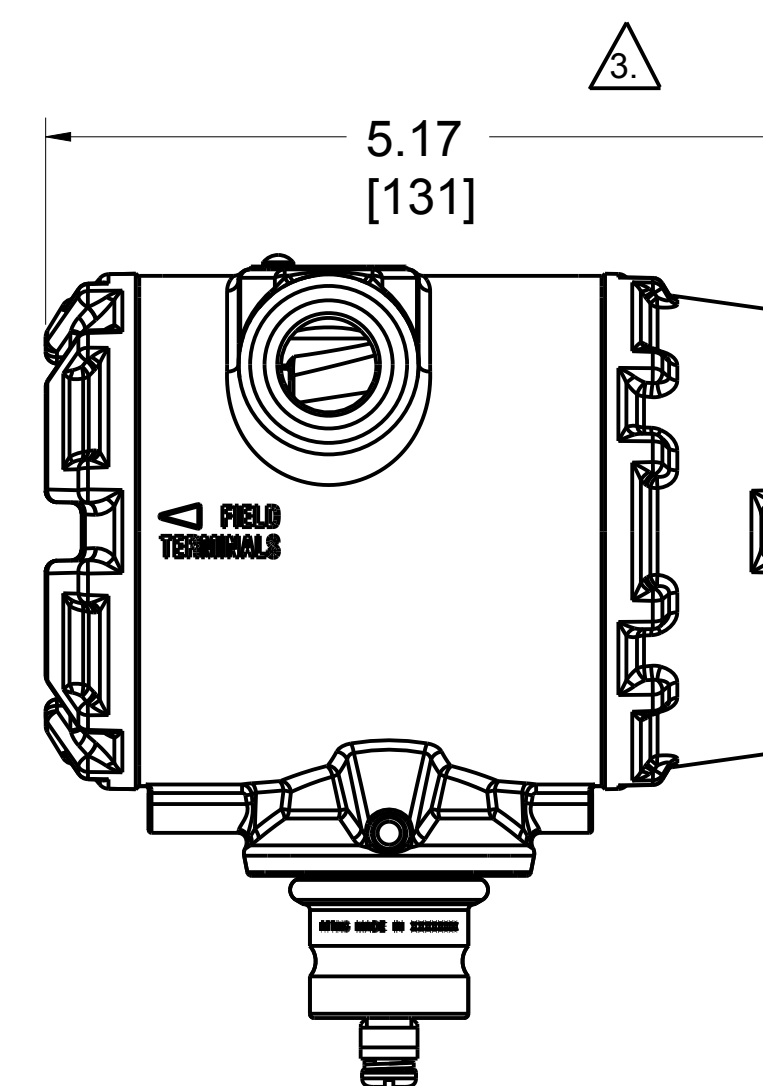


JUNCTION BOX HOUSING

3.45 [88]



REMOTE METER HOUSING



POSSIBLE SEAL TYPES ARE
INCLUDED IN THIS DRAWING

FLANGE
ADAPTER
(OPTIONAL)

1/4-18 NPT PROCESS CONNECTION OR
1/2 -18 NPT PROCESS CONNECTION w/ OPTIONAL FLANGE ADAPTERS
(DIFFERENTIAL CONFIGURATION ONLY)

WHEN 3051SAL ERS OPTIONS ARE INCLUDED:

- 1. THE 3051SAL ERS PRIMARY TRANSMITTER WILL HAVE PLANTWEB HOUSING UNLESS REMOTE DISPLAY IS INCLUDED. WHEN A REMOTE DISPLAY IS INCLUDED THE PRIMARY WILL HAVE A JUNCTION BOX HOUSING.
- 2. THE 3051SAL ERS SECONDARY TRANSMITTER WILL ALWAYS HAVE A JUNCTION BOX HOUSING.
- 3. THE 3051SAL REMOTE DISPLAY (WHEN APPLICABLE) WILL ALWAYS HAVE PLANTWEB HOUSING.

NOTES:

- 1. .75 (19) IS REQUIRED TO REMOVE COVERS (EACH SIDE)

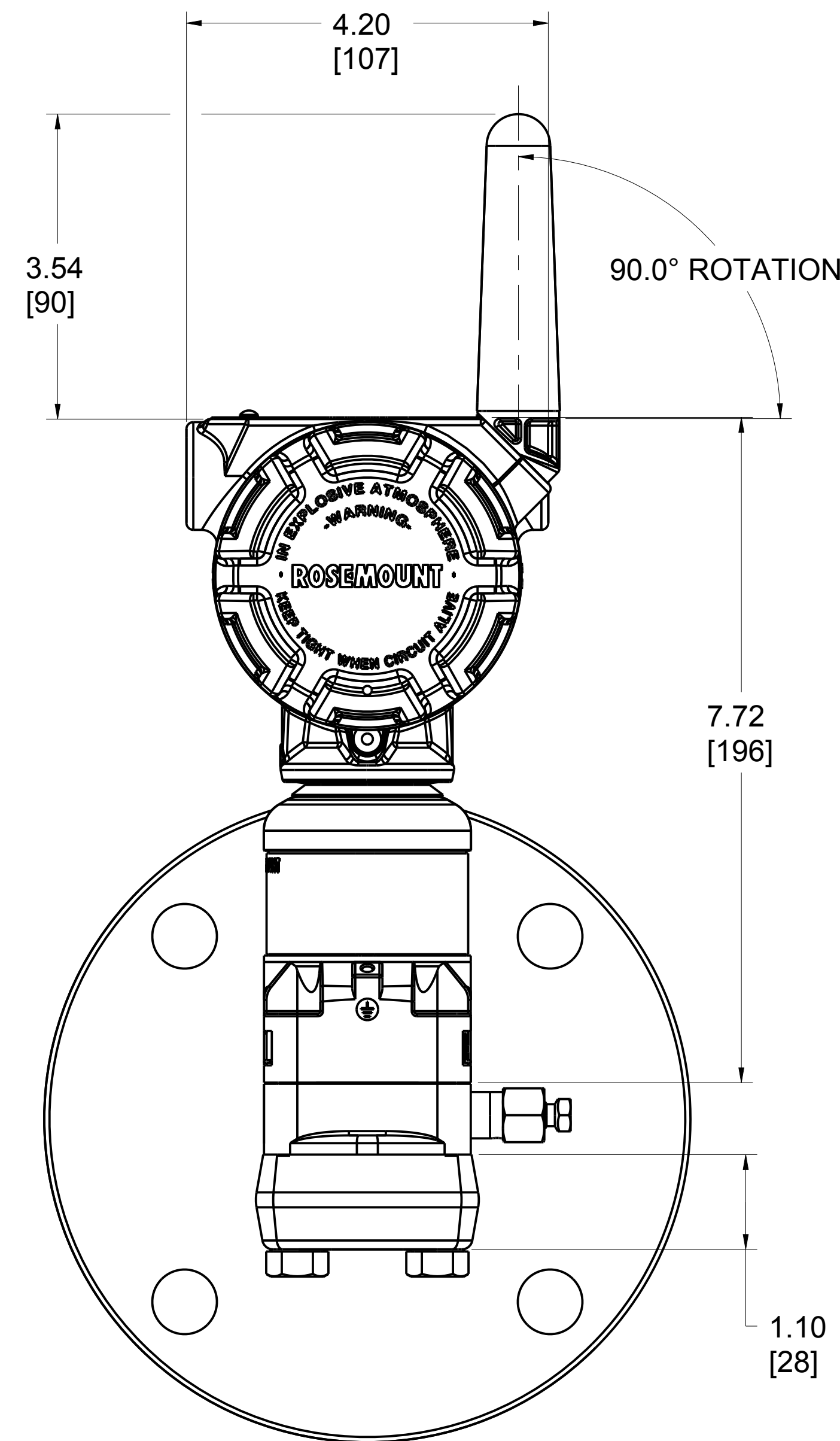
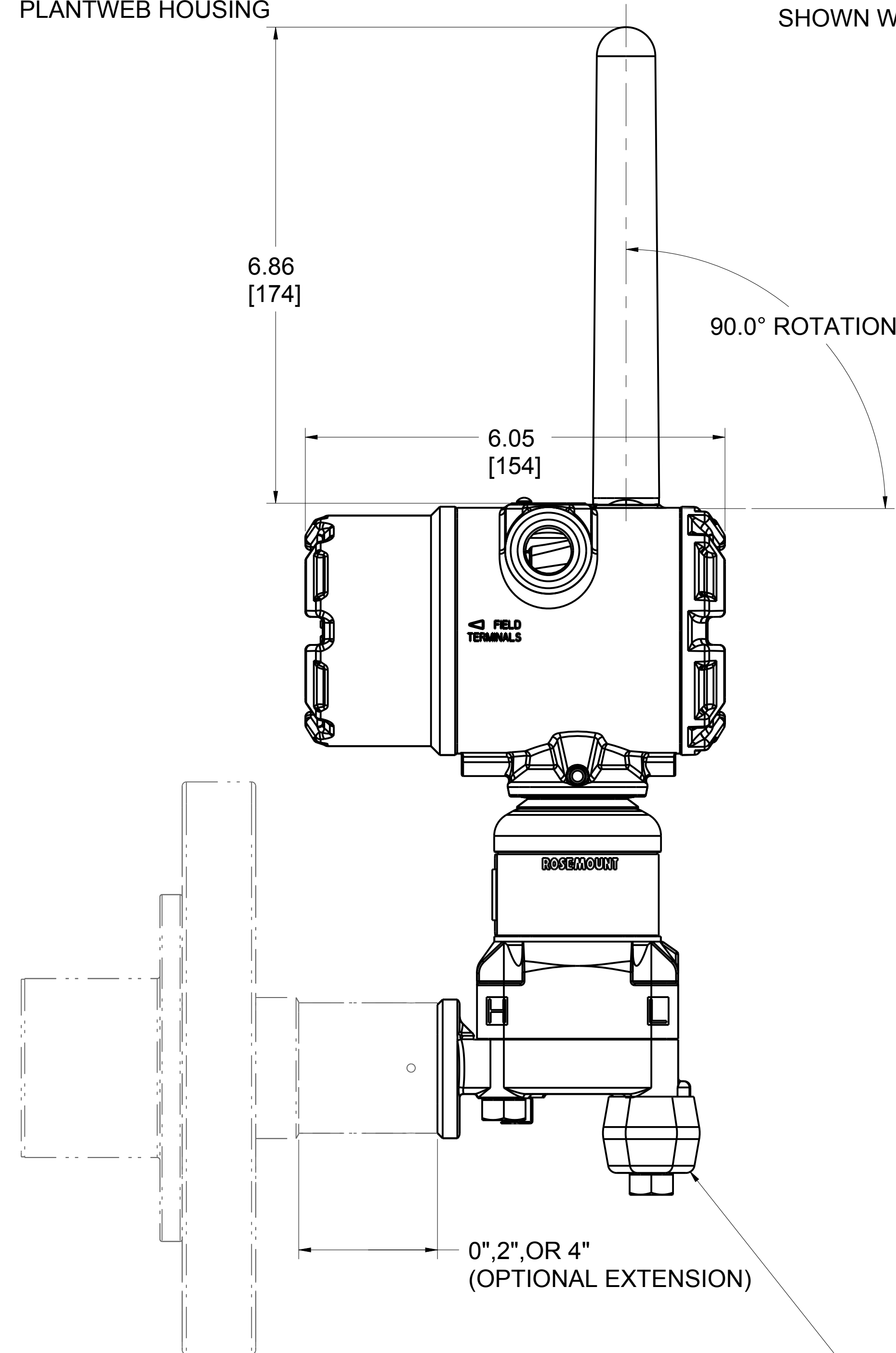
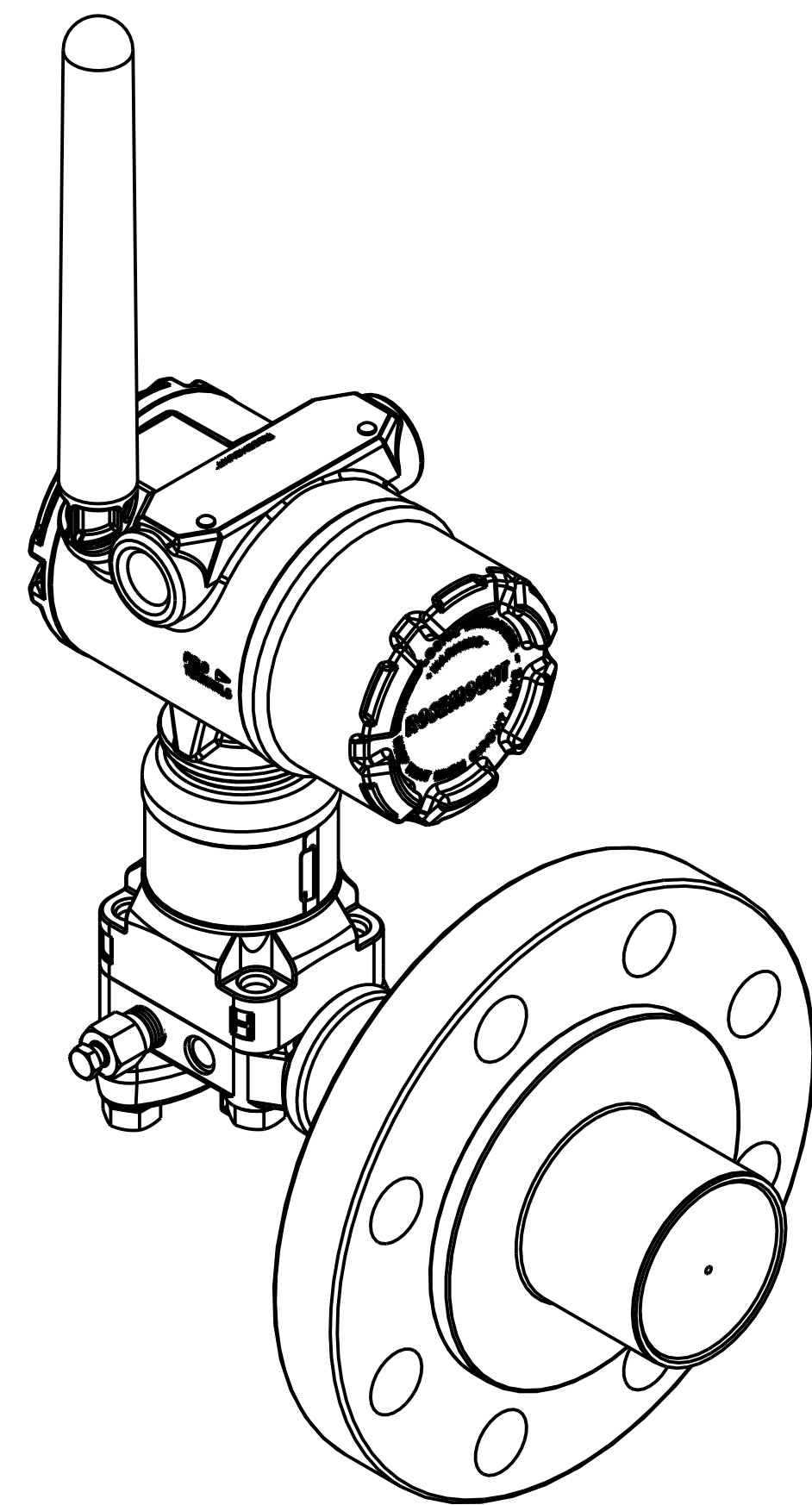
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	TITLE ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER						
	DR.	JLA	2/21/13	DRAWING NO.	03151-7000		
	APP'D	P. FADELL	3/10/15				
CAD MAINTAINED, (PROE) DOC TYPE: D SHEET 1 OF 19							

DRAWING NO. 03151-7000

ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER
 WIRELESS COPLANAR FLANGE PROCESS CONNECTION

WIRELESS PLANTWEB HOUSING
 SHOWN WTH 2.4 GHz EXTENDED RANGE ANTENNA
 PLANTWEB HOUSING

WIRELESS PLANTWEB HOUSING
 SHOWN WTH 2.4 GHz STANDARD RANGE ANTENNA



FLANGE ADAPTER (OPTIONAL)

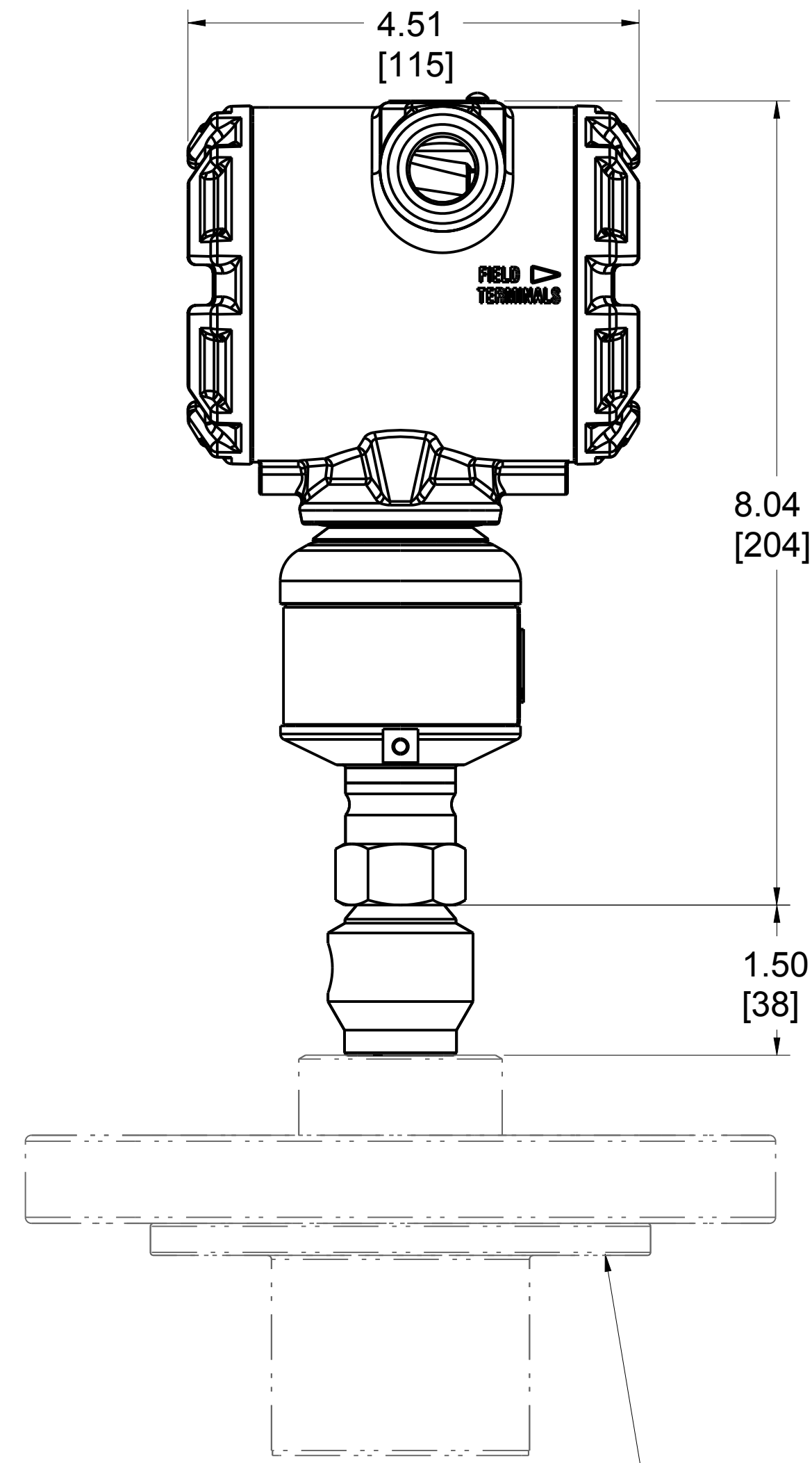
POSSIBLE SEAL TYPES ARE INCLUDED IN THIS DRAWING

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	<small>INFORMATION WITHIN THIS DOCUMENT MAY CHANGE WITHOUT NOTICE. FOR THE LATEST INFORMATION, REFER TO THE ROSEMOUNT PRODUCT DATA SHEETS OR VISIT US ONLINE AT www.rosemount.com.</small>				
	<small>DR.</small> JLA	<small>DATE</small> 2/21/13	<small>DRAWING NO.</small> 03151-7000		
<small>APP'D</small> P. FADELL	<small>DATE</small> 3/10/15			<small>REV</small> 03151-7000	
<small>CAD MAINTAINED, (PROE)</small>		<small>DOC TYPE</small> D	<small>SHEET 2 OF 19</small>		

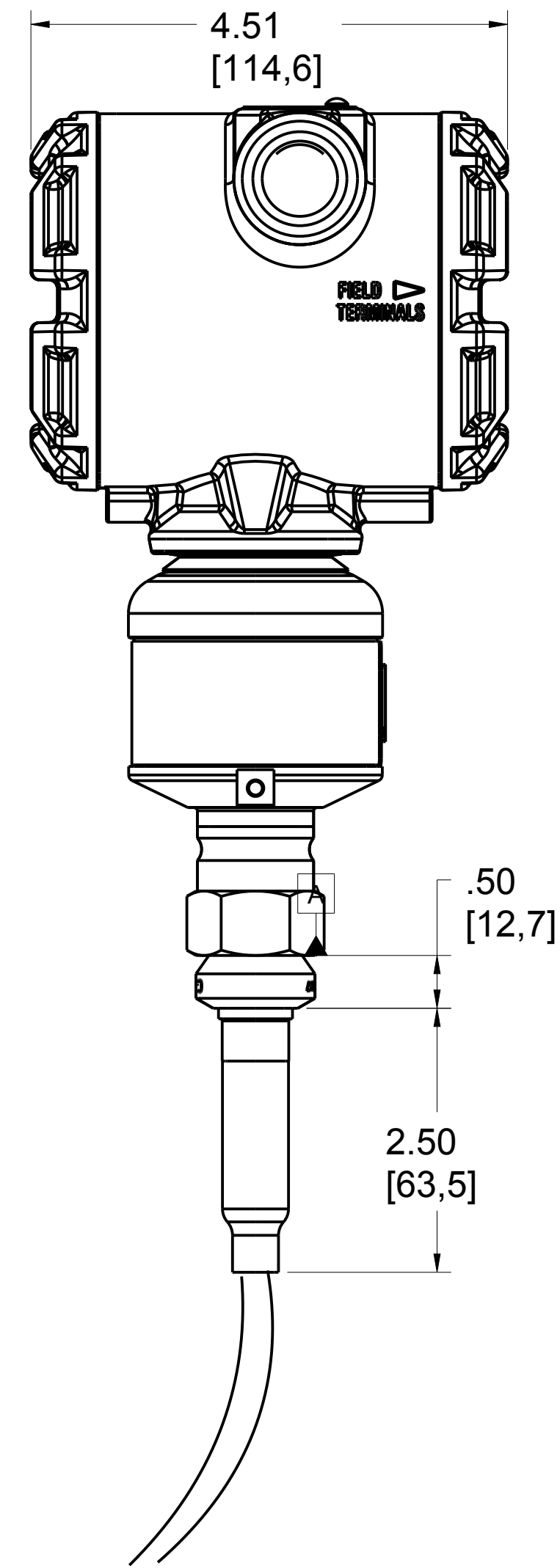
DRAWING NO. 03151-7000

ROSEMOUNT 3051SAL IN-LINE LIQUID LEVEL PRESSURE TRANSMITTER IN-LINE PROCESS CONNECTION

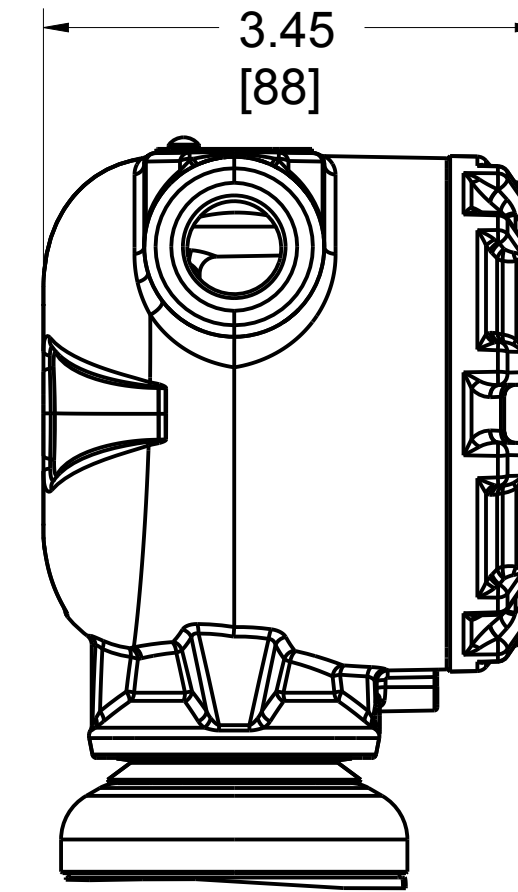
DIRECT CONNECTION SHOWN
WITH 3051ST IN-LINE



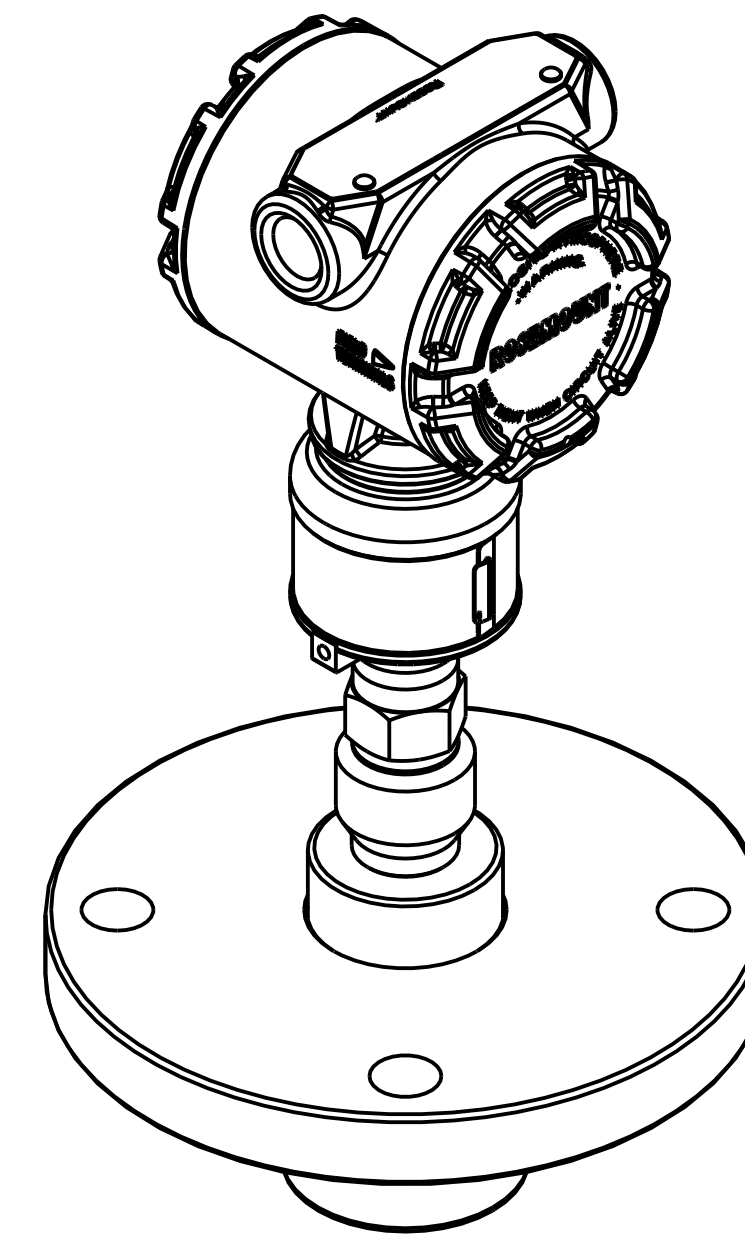
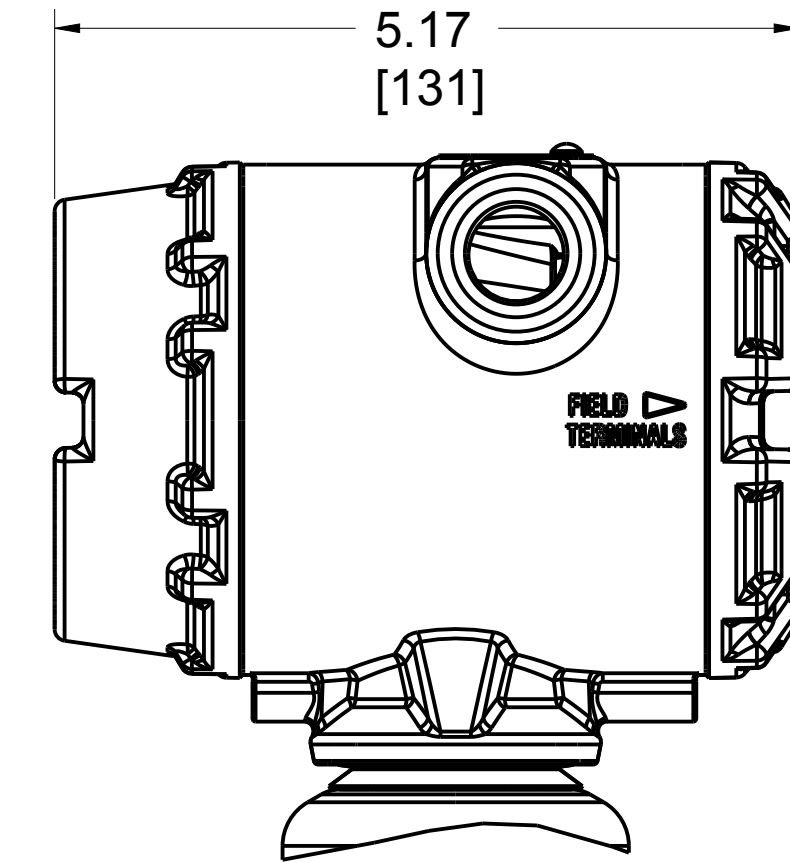
CAPILLARY CONNECTION SHOWN
WITH 3051ST IN-LINE



JUNCTION BOX HOUSING



PLANTWEB HOUSING

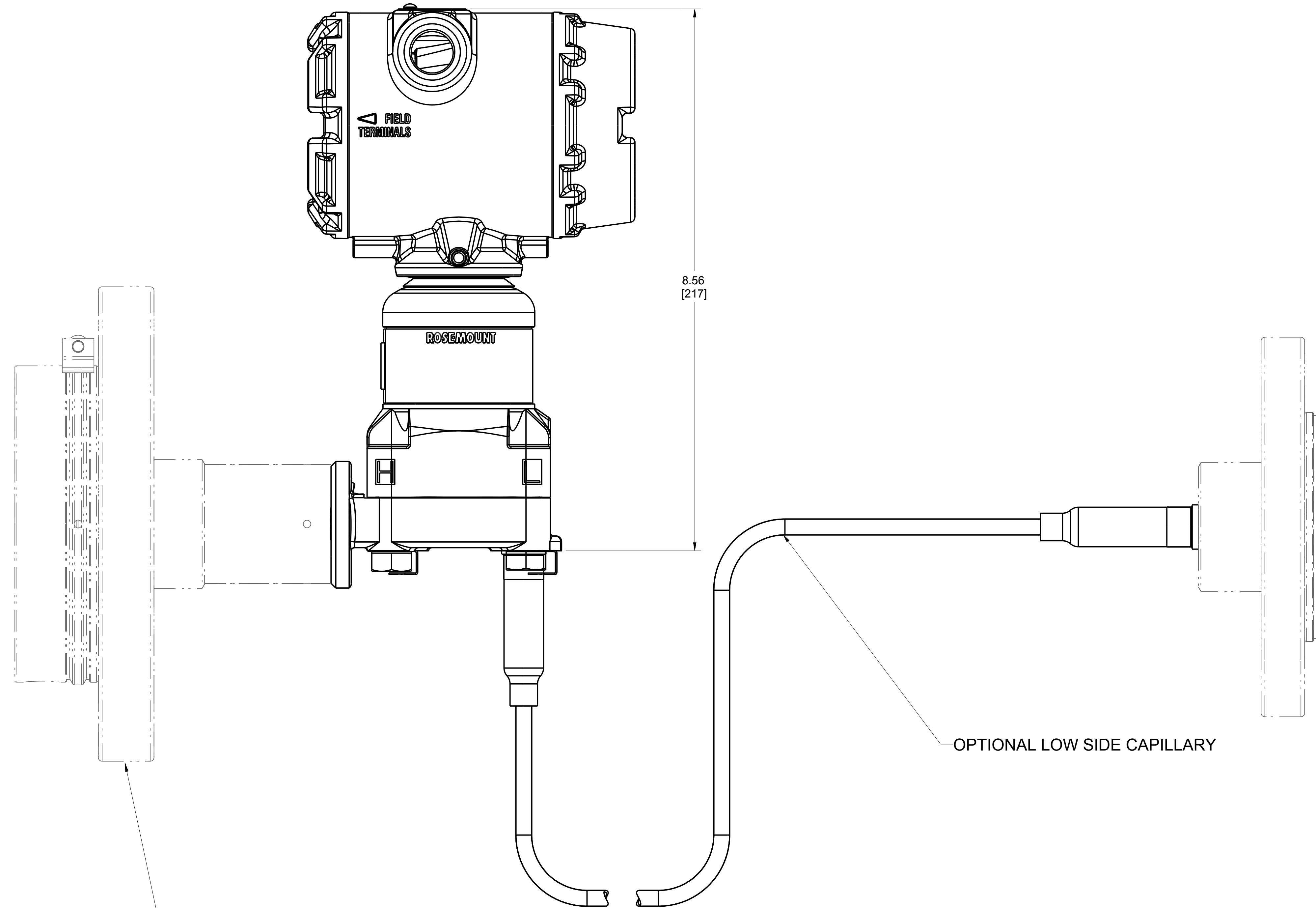


POSSIBLE SEAL TYPES ARE
INCLUDED IN THIS DRAWING

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	ROSEMOUNT®				
	TITLE ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER				
	<small>DR.</small> JLA	<small>DATE</small> 2/21/13	<small>DRAWING NO.</small>	<small>03151-7000</small>	
<small>APPD</small> P. FADELL	<small>DATE</small> 3/10/15	<small>DOC TYPE</small> D	<small>SHEET</small> 3	<small>OF 19</small>	

DRAWING NO. 03151-7000

ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER
 COPLANAR FLANGE PROCESS CONNECTION WITH LOW SIDE CAPILLARY
 CONNECTION



POSSIBLE SEAL TYPES ARE INCLUDED IN THIS DRAWING

OPTIONAL LOW SIDE CAPILLARY

8.56
[217]

FIELD
TERMINALS

ROSEMOUNT

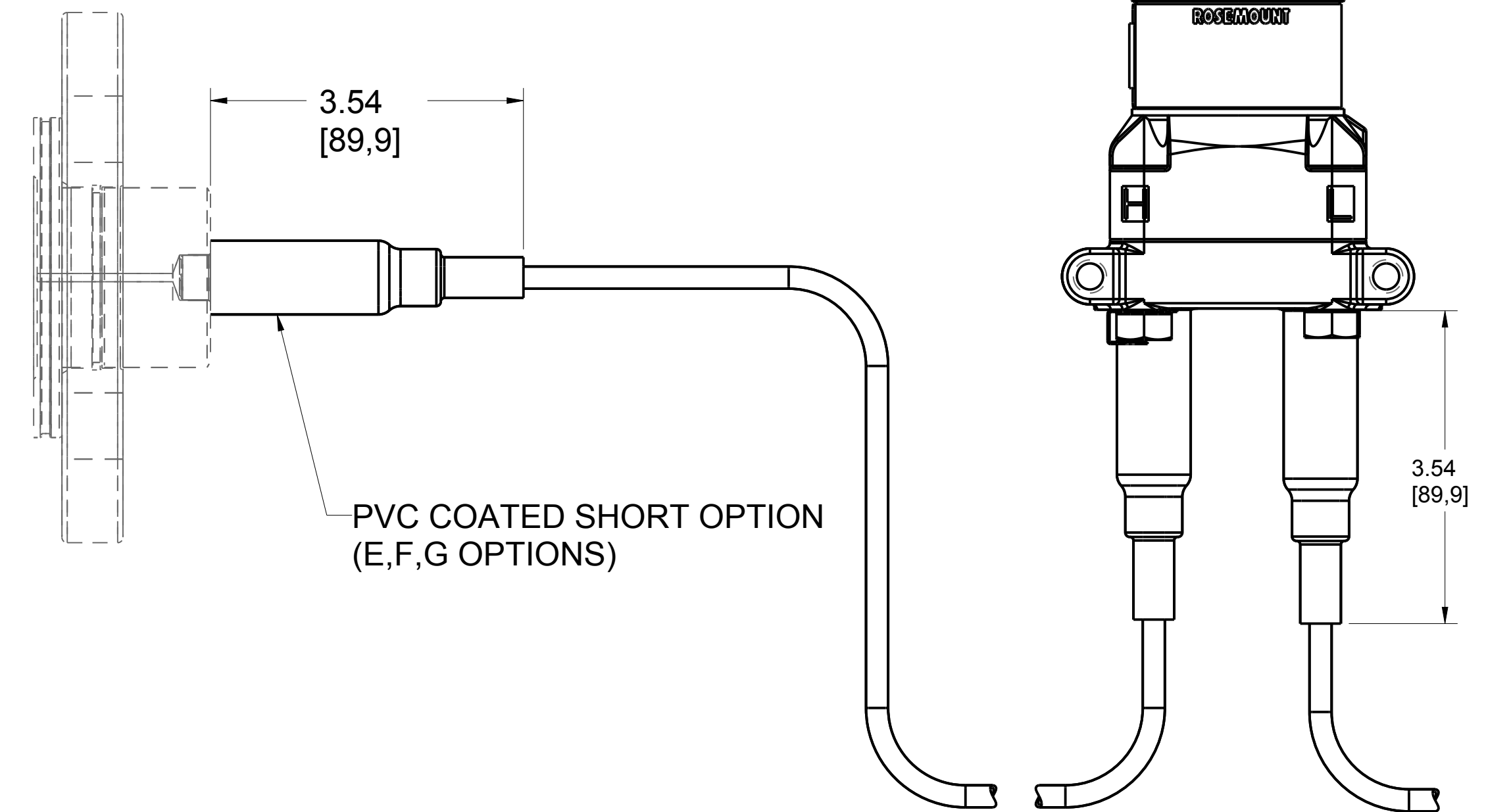
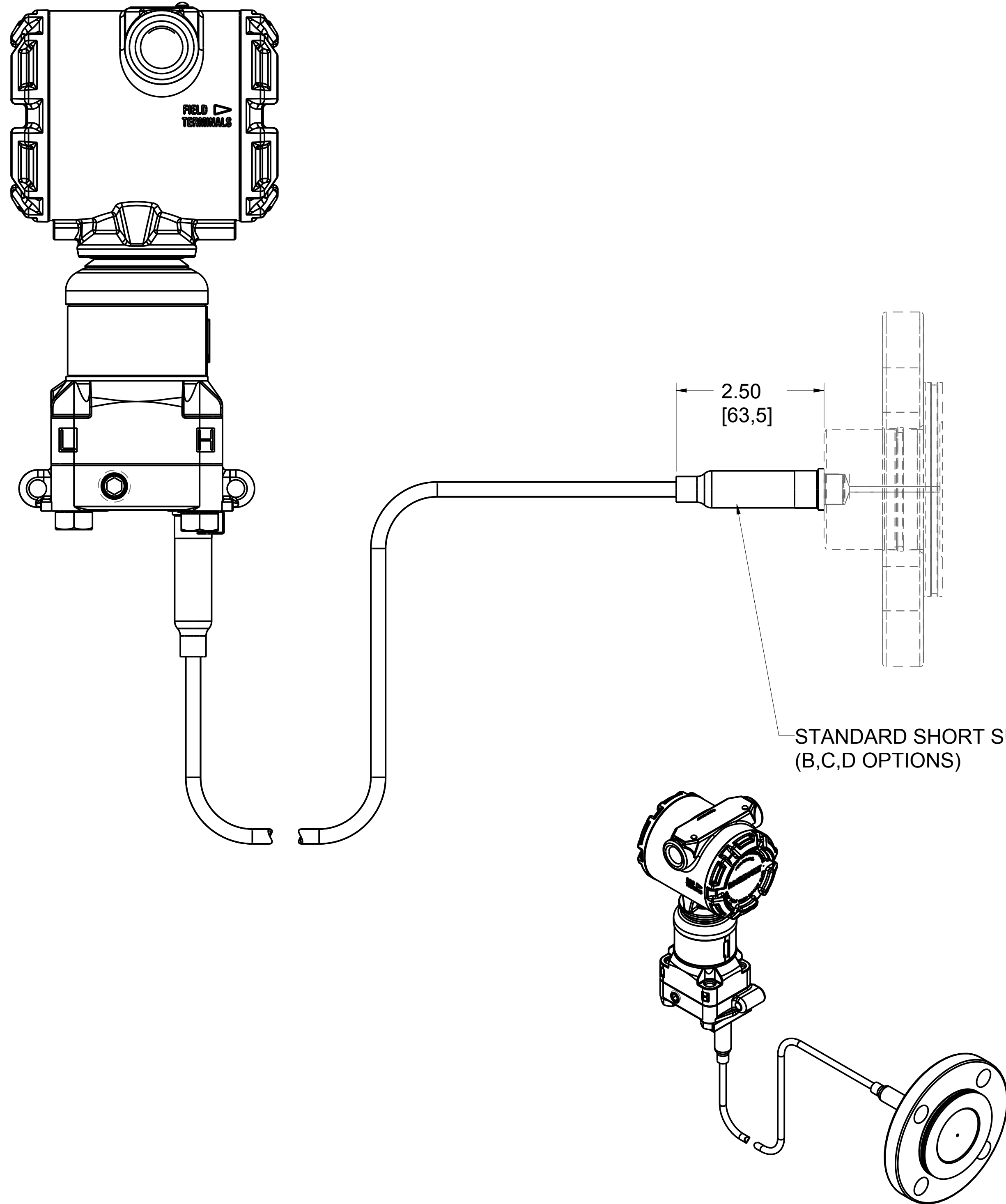
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	ROSEMOUNT®			
	TITLE ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER			
	DR. JLA 2/21/13	DRAWING NO. 03151-7000		
APPD P. FADELL 3/10/15	CAD MAINTAINED, (PROE)			
DOC TYPE D		SHEET 4 OF 19		

DRAWING NO. 03151-7000

ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER
 COPLANAR FLANGE PROCESS CONNECTION WITH CAPILLARY CONNECTIONS

CAPILLARY CONNECTION SHOWN
 ON HIGH SIDE WITH 3051SC
 STANDARD CONNECTION

DUAL CAPILLARY CONNECTION SHOWN
 WITH 3051SC STANDARD CONNECTION



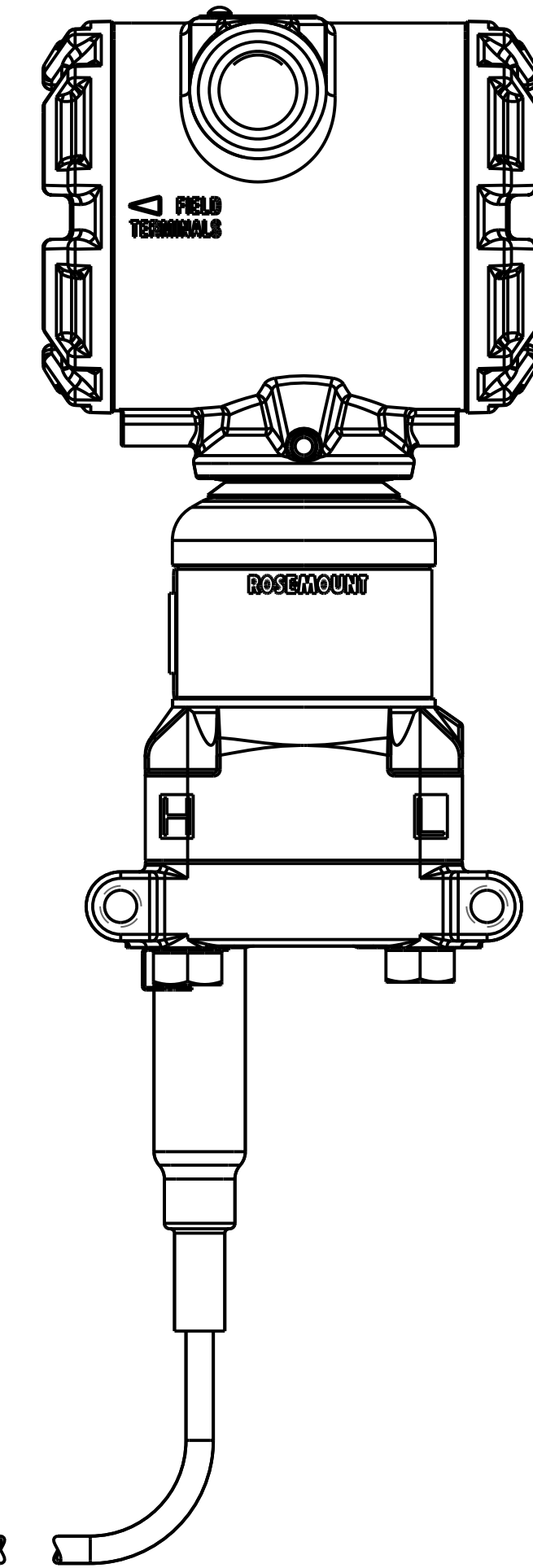
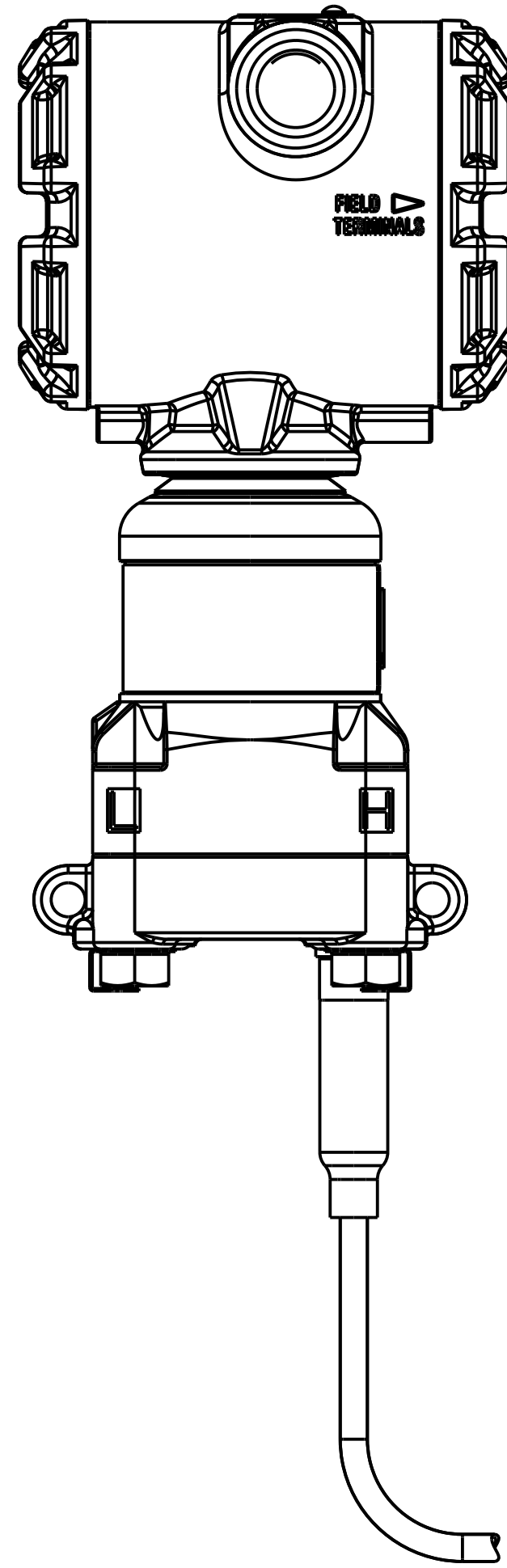
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	EMERSON Process Management ROSEMOUNT®			
	TITLE ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER			
	DR: JLA 2/21/13	DRAWING NO. 03151-7000		APPD: P. FADELL 3/10/15

DRAWING NO. 03151-7000

ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER
 COPLANAR FLANGE PROCESS CONNECTION WITH HIGH SIDE CAPILLARY
 CONNECTION

CAPILLARY CONNECTION SHOWN
 ON HIGH SIDE WITH 3051SC
 STANDARD CONNECTION

CAPILLARY CONNECTION SHOWN
 ON HIGH SIDE WITH 3051SC
 STANDARD CONNECTION

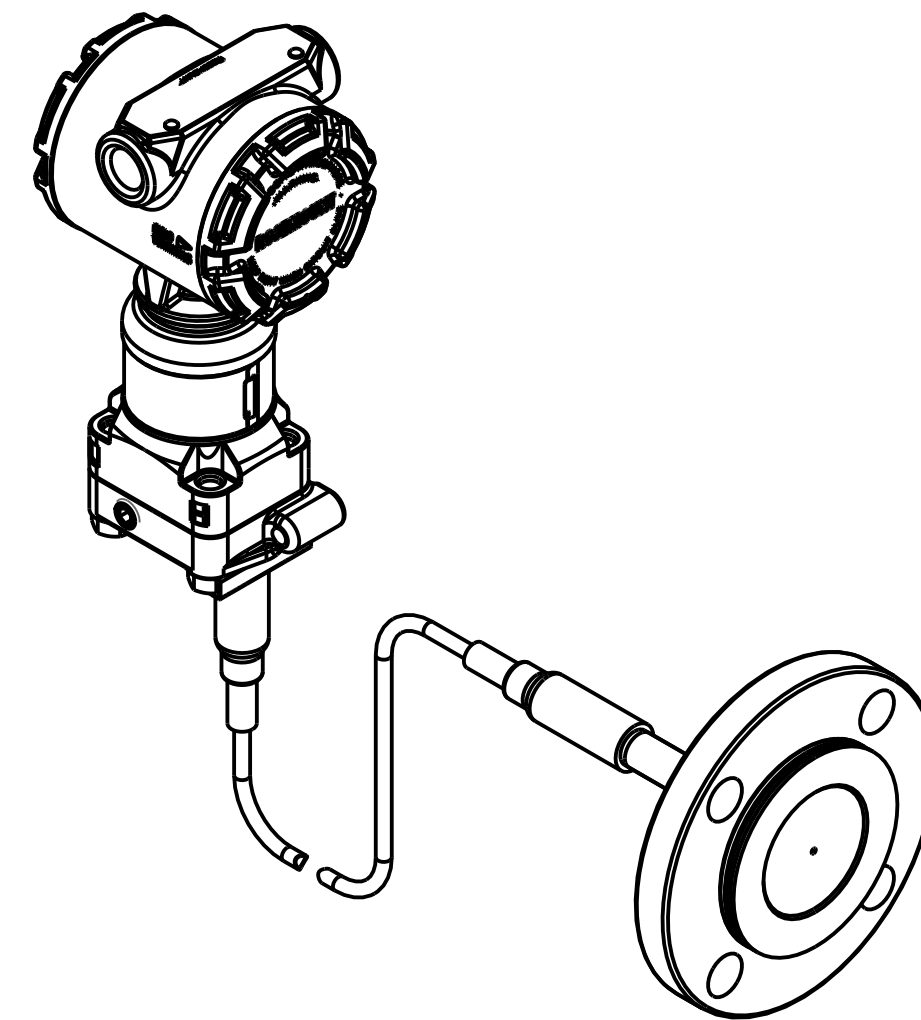


4.50
 [114,3]

5.54
 [140,7]

STANDARD LONG SUPPORT TUBE
 (H,J,K OPTIONS)

PVC COATED LONG OPTION
 (M,N,P OPTIONS)



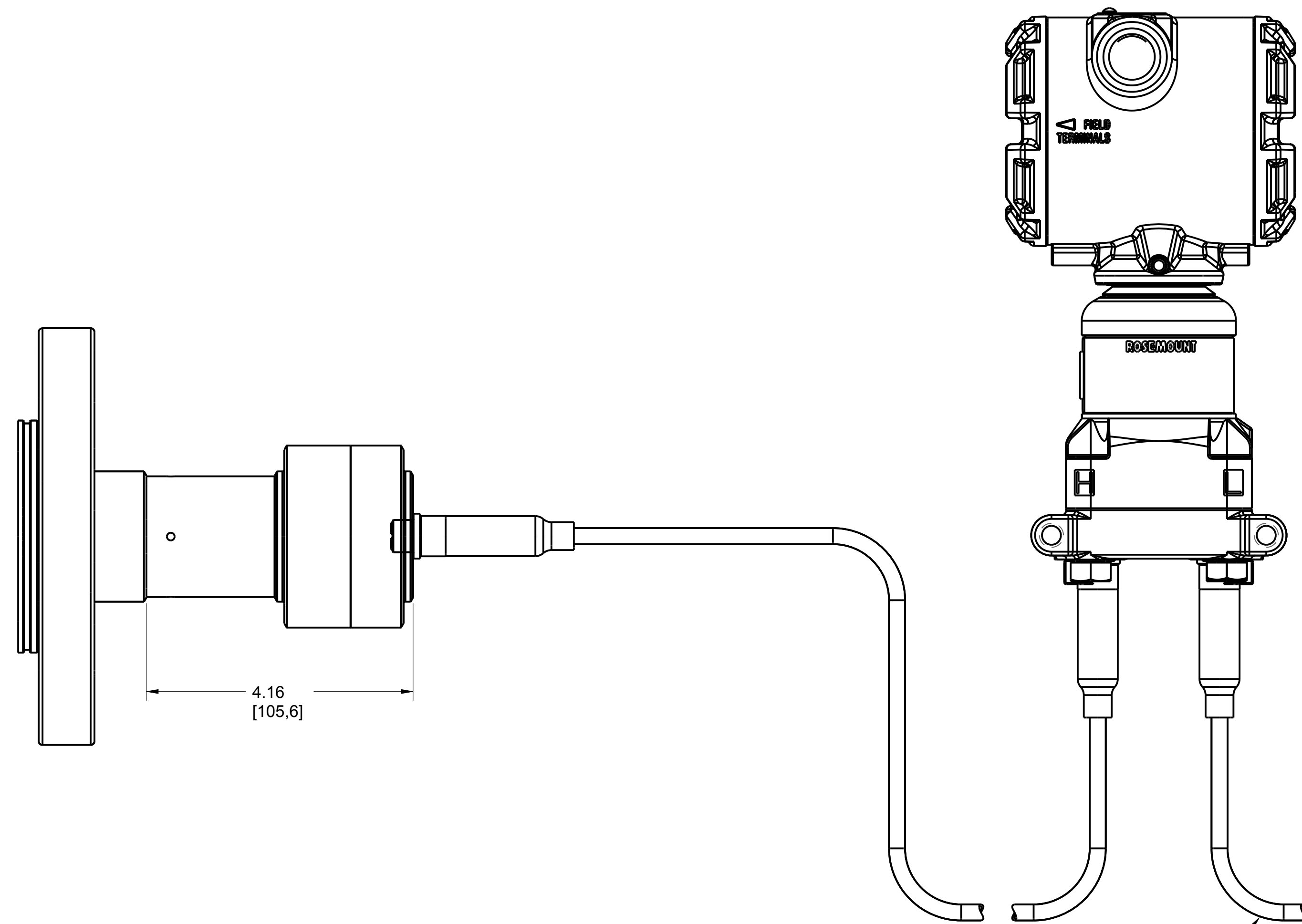
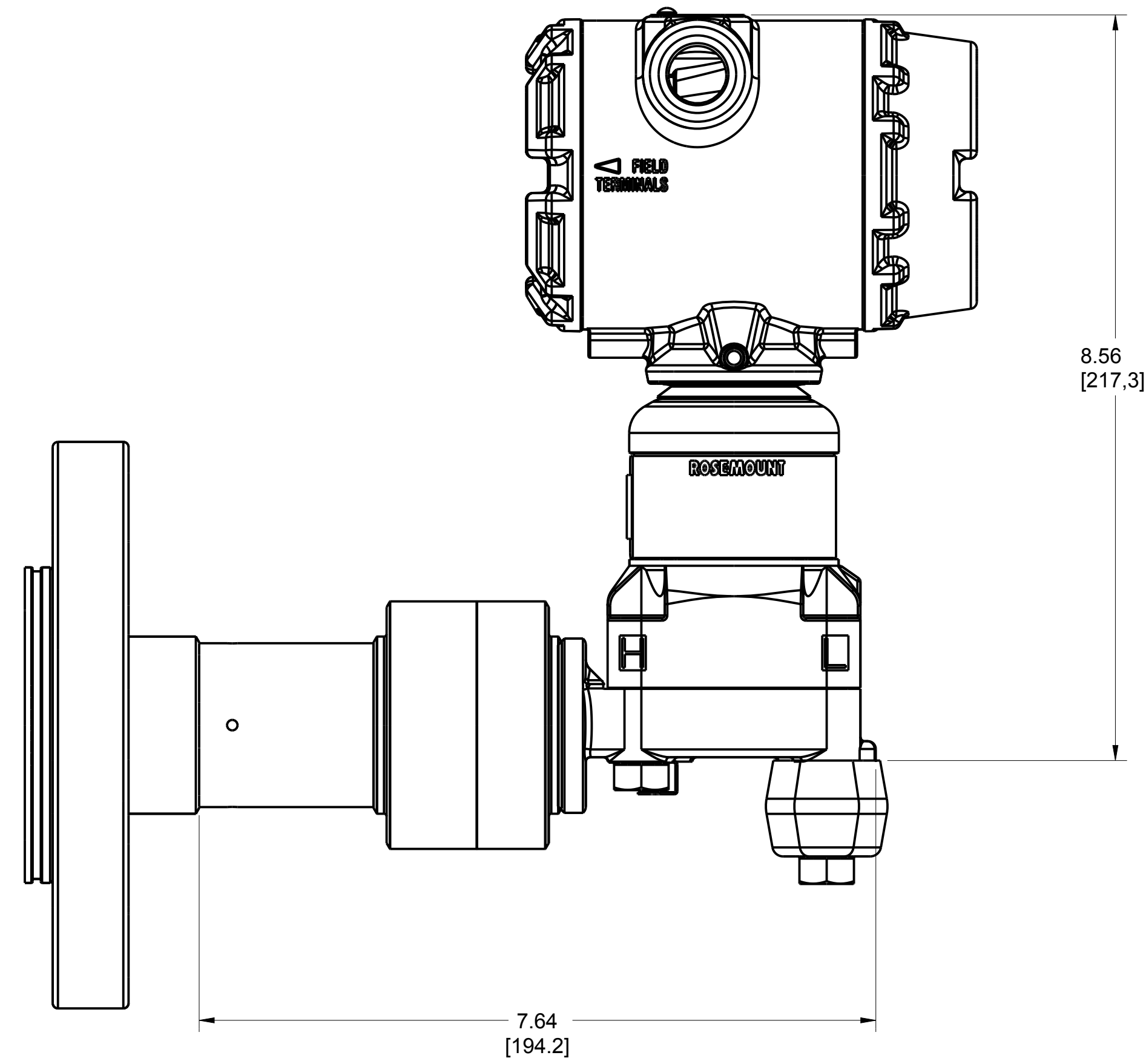
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	EMERSON Process Management ROSEMOUNT®			
	TITLE ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER			
	DR: JLA	2/21/13	DRAWING NO. 03151-7000	
	APPD: P. FADELL	3/10/15		
CAD MAINTAINED, (PRO/E)		DOC TYPE	D	SHEET 6 OF 19

DRAWING NO. 03151-7000

ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER COPLANAR PROCESS CONNECTION WITH THERMAL RANGE EXPANDER

COPLANER TRANSMITTER AND DIRECT MOUNT
CONNECTION WITH THERMAL RANGE EXPANDER

COPLANER TRANSMITTER AND CAPILLARY
CONNECTION WITH THERMAL RANGE EXPANDER



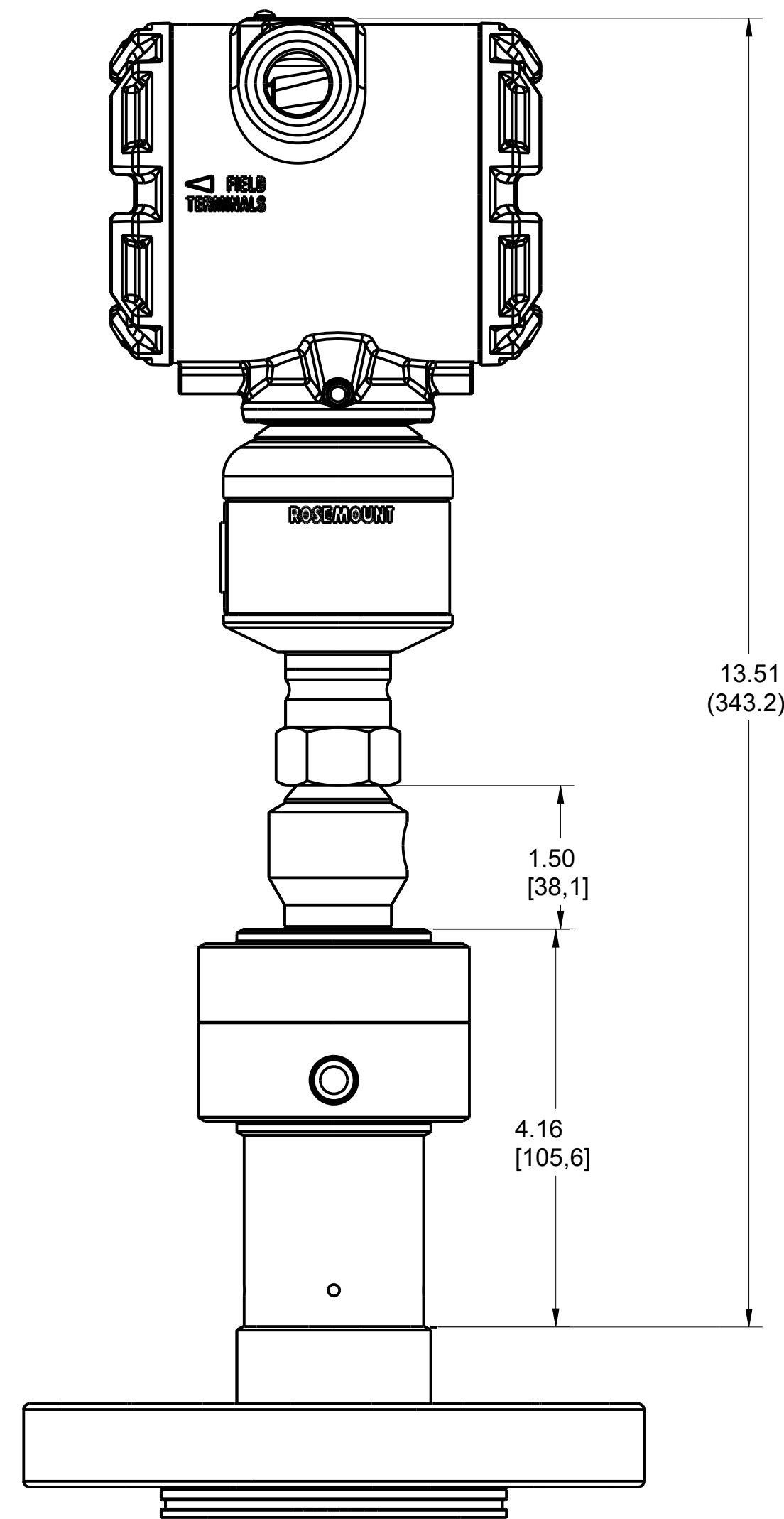
OPTIONAL LOW SIDE CAPILLARY

DRAWING NO. 03151-7000

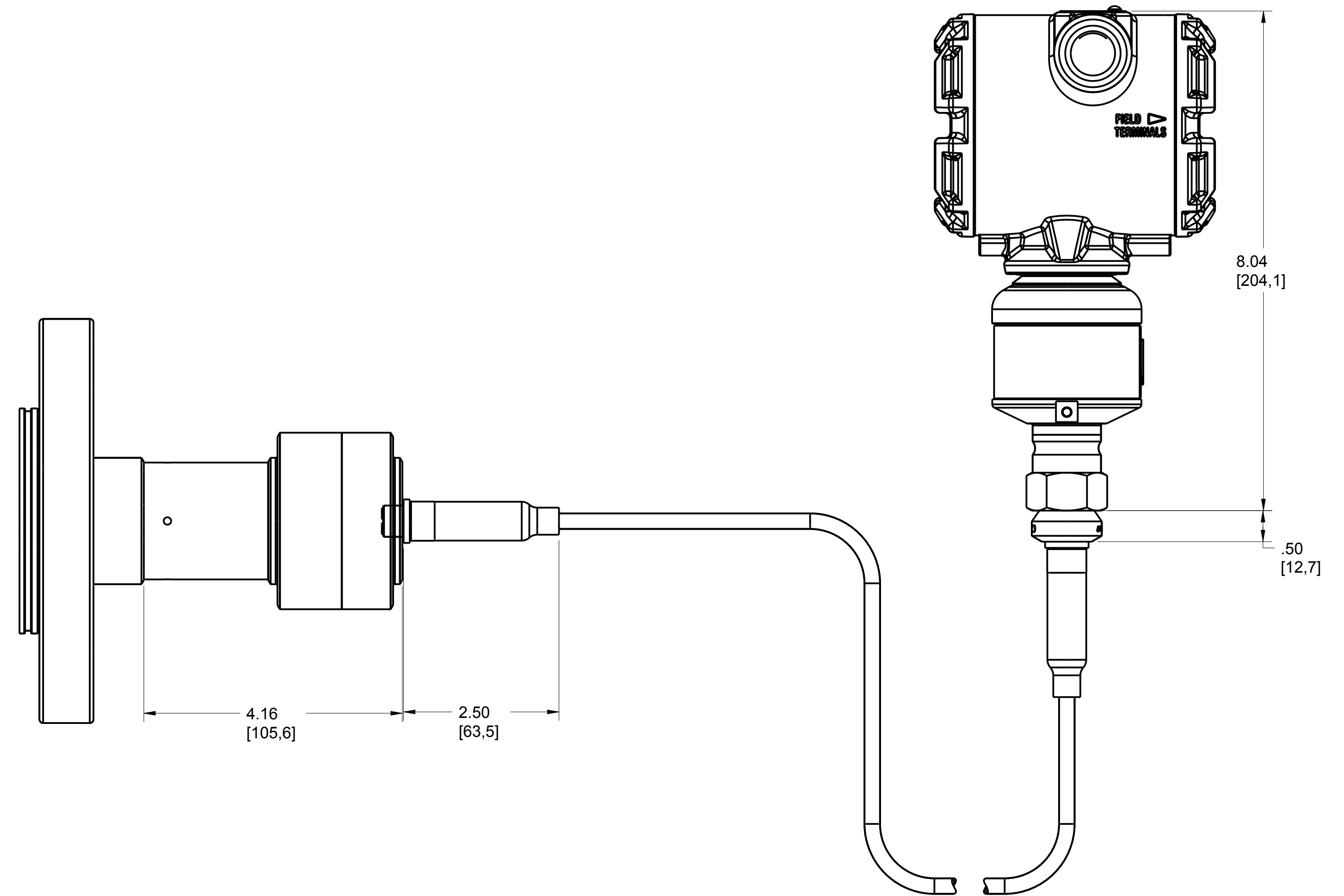
<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES (mm) CONFIDENTIAL AND PROPRIETARY INFORMATION. REUSE, REPRODUCTION, AND MODIFICATION IS PROHIBITED. EMERSON</small>	<small>3RD ANGLE</small>		<small>SIZE</small> D	<small>SCALE</small> 1/3	<small>REV</small> AD
	EMERSON <small>Process Management</small>				
	ROSEMOUNT®				
	TITLE ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER				
<small>DR.</small> JLA	<small>2/21/13</small>	<small>DRAWING NO.</small>	03151-7000		
<small>APPD</small> P. FADELL	<small>3/10/15</small>	<small>DOC TYPE</small> D	<small>SHEET</small> 7	<small>OF</small> 19	
<small>CAD MAINTAINED, (PROE)</small>					<small>REVISION</small>

ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER IN-LINE PROCESS CONNECTION WITH THERMAL RANGE EXPANDER

IN-LINE TRANSMITTER AND DIRECT MOUNT
CONNECTION WITH THERMAL RANGE EXPANDER



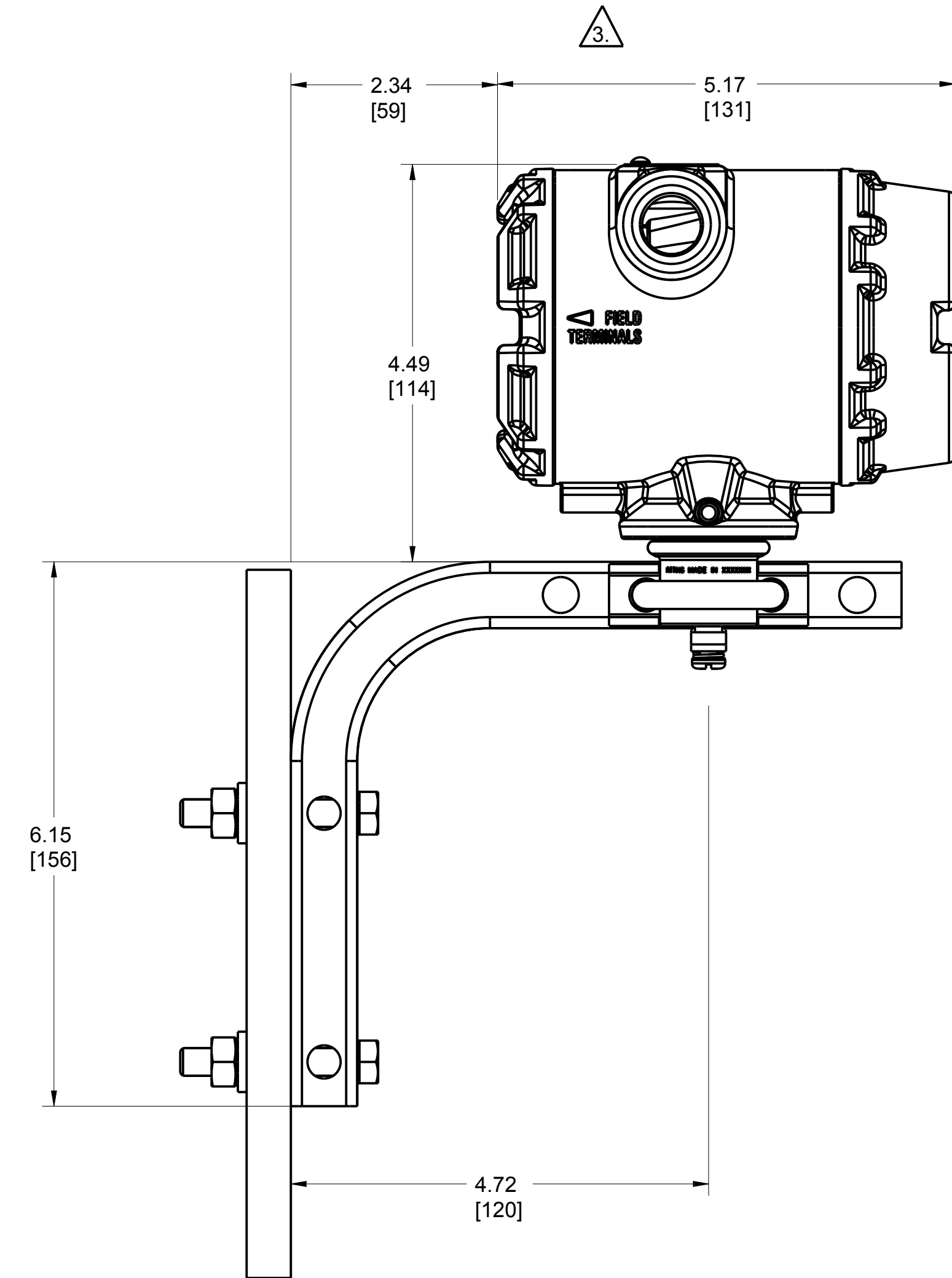
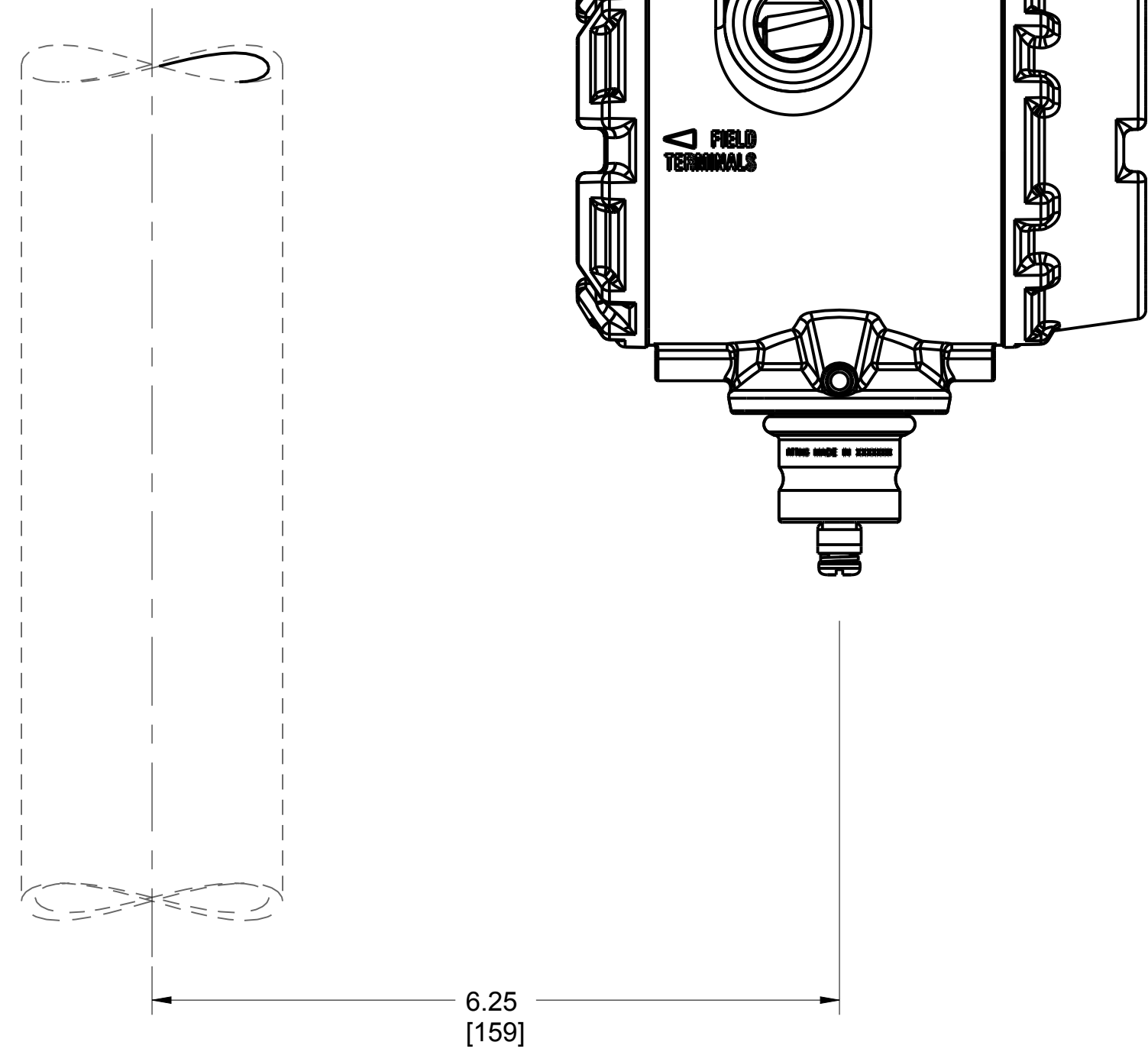
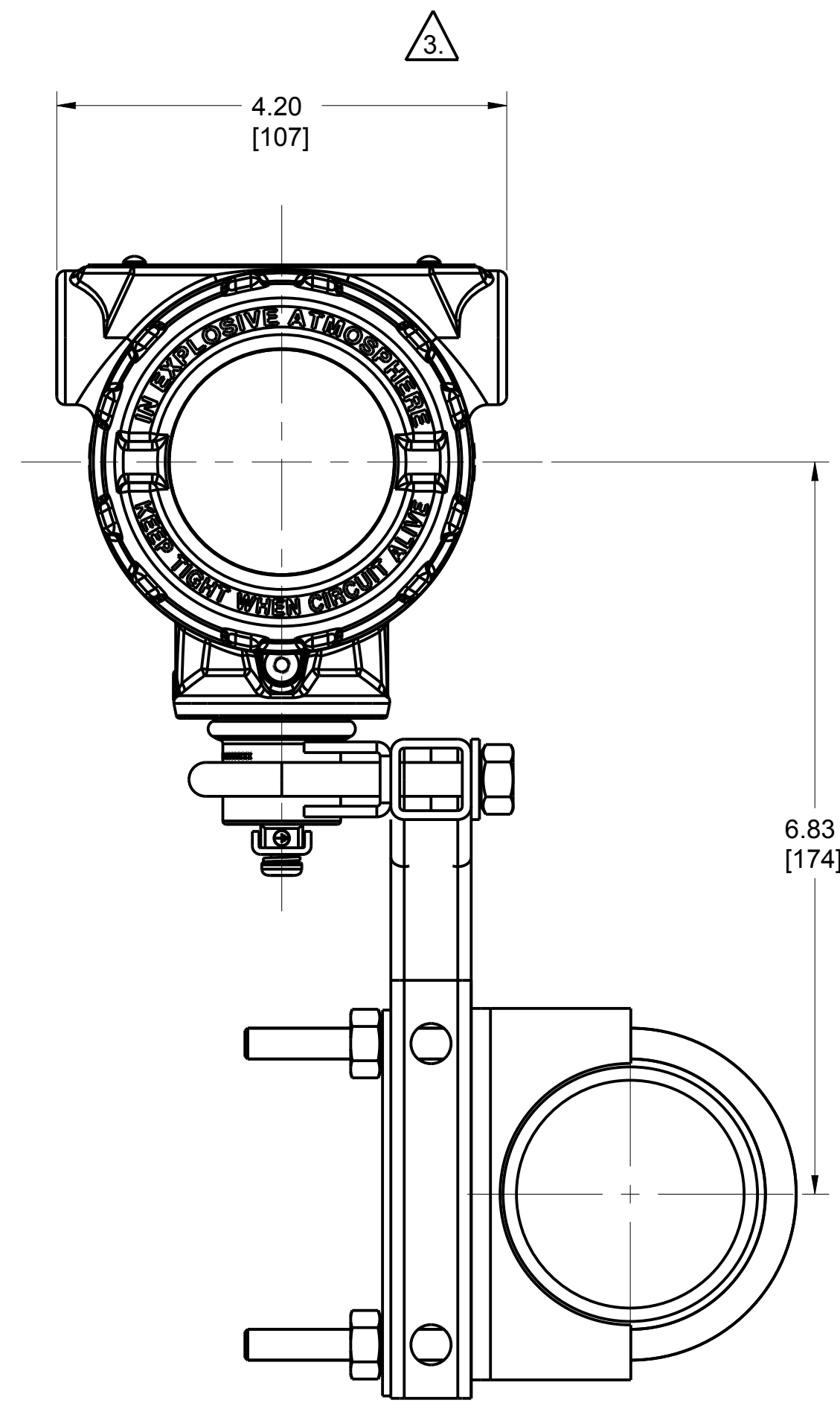
IN-LINE TRANSMITTER AND CAPILLARY
CONNECTION WITH THERMAL RANGE EXPANDER



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	<small>INFORMATION WITHIN THIS DOCUMENT MAY CHANGE WITHOUT NOTICE. PLEASE REFER TO THE ENGINEERING USE REFERENCE ROSEMOUNT PRODUCT DATA SHEETS FOR THE LATEST ENGINEERING INFORMATION.</small>				
	<small>DR.</small> APPD	<small>JLA</small> P. FADELL	<small>2/21/13</small> 3/10/15	<small>DRAWING NO.</small> 03151-7000	<small>REV</small> 03151-7000
<small>CAD MAINTAINED, (PROE)</small>			<small>DOC TYPE</small> D	<small>SHEET 8 OF 19</small>	

DRAWING NO. 03151-7000

REMOTE DISPLAY MOUNTING CONFIGURATIONS (B4 MOUNTING BRACKET)

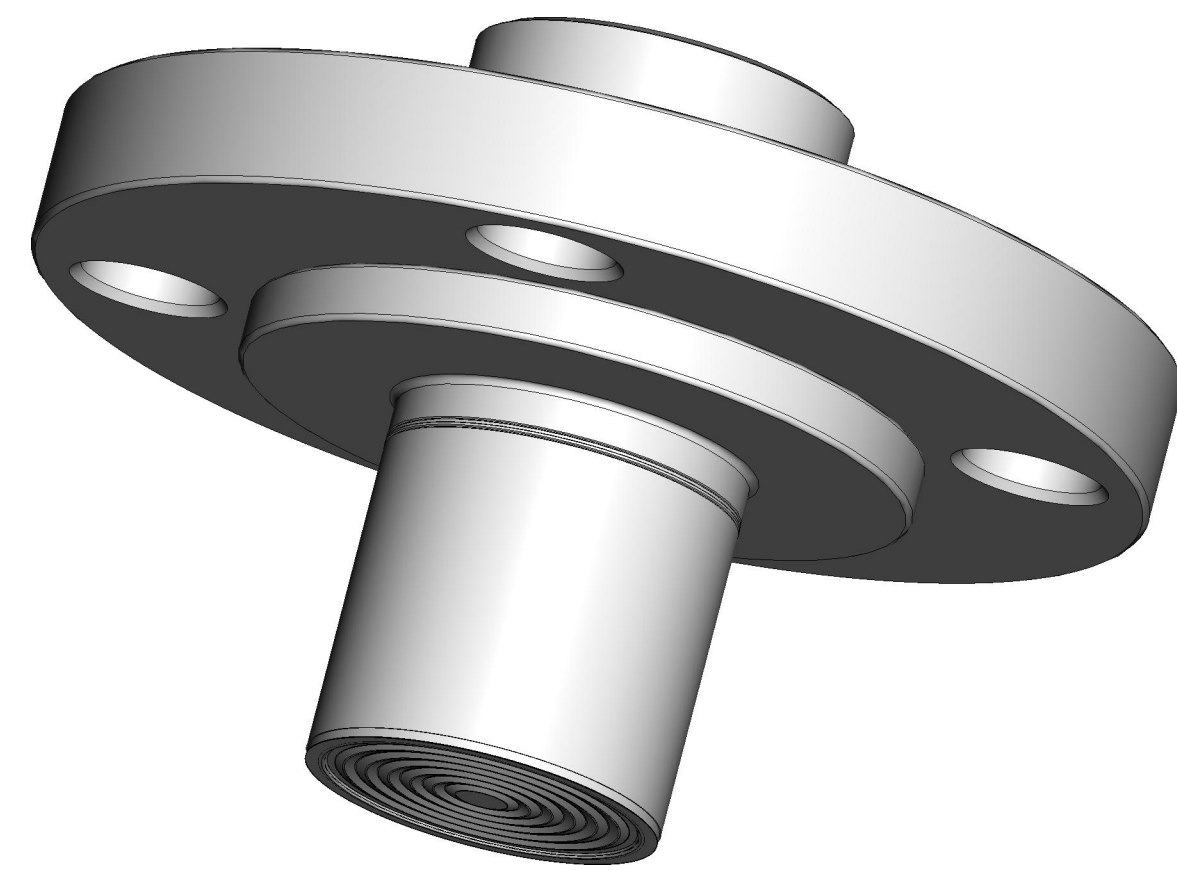
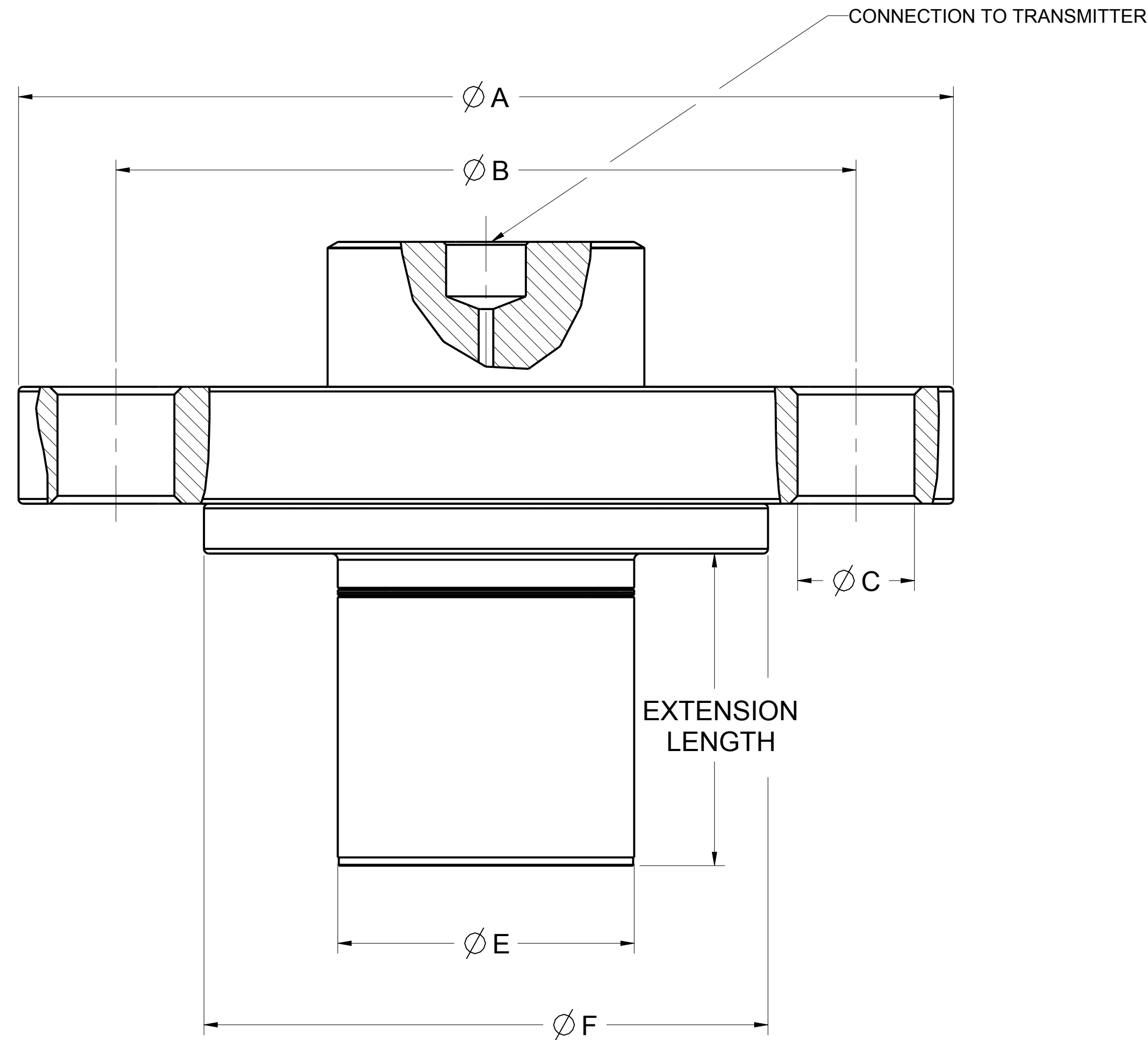


3 THE 3051SAL REMOTE DISPLAY (WHEN APPLICABLE) WILL ALWAYS HAVE PLANTWEB HOUSING.

<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES (mm)</small> <small>CONFIDENTIAL AND PROPRIETARY INFORMATION. THIS DOCUMENT IS UNCLASSIFIED AND MUST BE HANDLED ACCORDINGLY TO EMERSON ENGINEERING INFORMATION.</small>	<small>3RD ANGLE</small>		<small>SIZE</small> D	<small>SCALE</small> 1/2	<small>REV</small> AD
	EMERSON Process Management ROSEMOUNT®				
	TITLE ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER				
	<small>DR.</small> APPD	<small>JLA</small> P. FADELL	<small>2/21/13</small> 3/10/15	<small>DRAWING NO.</small> 03151-7000	<small>REV</small> 03151-7000
<small>CAD MAINTAINED, (PROE)</small>			<small>DOC TYPE</small> D	<small>SHEET 9 OF 19</small>	

DRAWING NO. 03151-7000

EXTENDED FLANGED (EF) SEAL



PROCESS CONNECTION SIZE				DIAMETER "E"
ANSI B16.5	EN 1092-1	JIS B2238	JIS B2238	
3 in.	DN 80	80A	80 A	2.58 (66)
4 in.	DN 100	100A	100 A	3.50 (89)
1-1/2 in.	DN 40	40A	40 A	1.45 (37)
2 in.	DN 50	50A	50 A	1.90 (48)
3 in. Headbox	DN 80 Headbox	-	-	2.88 (73)
4 in. Headbox	DN100 Headbox	-	-	3.78 (96)

	PIPE SIZE	CLASS	FLANGE DIAMETER "A"	FLANGE THICKNESS "B"	BOLT HOLE DIAMETER "C"
ANSI/ ASME	1-1/2-in.	150 lb.	5.00 (127)	0.62 (16)	0.63 (16)
		300 lb.	6.12 (156)	0.75 (19)	0.88 (22)
		600 lb.	6.12 (156)	0.88 (22)	0.88 (22)
	2-in.	150 lb.	6.00 (152)	0.69 (18)	0.75 (19)
		300 lb.	6.50 (165)	0.82 (21)	0.75 (19)
		600 lb.	6.50 (165)	1.00 (25)	0.75 (19)
3-in.	150 lb.	7.50 (191)	0.88 (22)	0.75 (19)	
	300 lb.	8.25 (210)	1.06 (27)	0.88 (22)	
	600 lb.	8.25 (210)	1.25 (32)	0.88 (22)	
4-in.	150 lb.	9.00 (229)	0.88 (22)	0.75 (19)	
	300 lb.	10.0 (254)	1.19 (30)	0.88 (22)	
	600 lb.	10.75 (273)	1.50 (38)	1.00 (25)	
DIN	DN 50	PN 40	6.50 (165)	0.79 (20)	0.71 (18)
		PN 63	7.08 (180)	1.02 (26)	0.87 (22)
		PN 100	7.68 (195)	1.10 (28)	1.02 (26)
	DN 80	PN 40	7.87 (200)	0.94 (24)	0.71 (18)
		PN 63	8.46 (215)	1.10 (28)	0.88 (22)
		PN 100	9.06 (230)	1.26 (32)	1.02 (26)
	DN 100	PN 16	8.66 (220)	0.79 (20)	0.71 (18)
		PN 40	9.25 (235)	0.94 (24)	0.87 (22)
		PN 63	9.84 (250)	1.18 (30)	1.02 (26)
JIS	50A	10K	6.10 (155)	0.63 (16)	0.75 (19)
		20K	6.10 (155)	0.71 (18)	0.75 (19)
		40K	6.50 (165)	1.02 (26)	0.75 (19)
	80A	10K	7.28 (185)	0.71 (18)	0.75 (19)
		20K	7.87 (200)	0.87 (22)	0.91 (23)
		40K	8.27 (210)	1.26 (32)	0.91 (23)
	100A	10K	8.27 (210)	0.71 (18)	0.75 (19)
		20K	8.86 (225)	0.94 (24)	0.91 (23)
		40K	9.84 (250)	1.42 (36)	0.98 (25)

BOLT CIRCLE "D"	# OF BOLTS	RAISED FACE DIAMETER "F"
3.88 (99)	4	2.88 (73)
4.50 (114)	4	2.88 (73)
4.50 (114)	4	2.88 (73)
4.75 (121)	4	3.62 (92)
5.00 (127)	8	3.62 (92)
5.00 (127)	8	3.62 (92)
6.00 (152)	4	5.00 (127)
6.62 (168)	8	5.00 (127)
6.62 (168)	8	5.00 (127)
7.50 (191)	8	6.20 (158)
7.88 (200)	8	6.20 (158)
8.50 (216)	8	6.20 (158)
4.92 (125)	4	4.02 (102)
5.31 (135)	4	4.02 (102)
5.71 (145)	4	4.02 (102)
6.30 (160)	8	5.43 (138)
6.69 (170)	8	5.43 (138)
7.09 (180)	8	5.43 (138)
7.09 (180)	8	6.20 (158)
7.48 (190)	8	6.20 (158)
7.87 (200)	8	6.20 (158)
4.72 (120)	4	3.62 (92)
4.72 (120)	8	3.62 (92)
5.12 (130)	8	4.00 (102)
5.91 (150)	8	5.00 (127)
6.30 (160)	8	5.00 (127)
6.69 (170)	8	5.43 (138)
6.89 (175)	8	6.20 (158)
7.28 (185)	8	6.20 (158)
8.07 (205)	8	6.20 (158)

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EMERSON
Process Management
ROSEMOUNT®

TITLE ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER

DR. JLA 2/21/13 DRAWING NO. 03151-7000

APPD P. FADELL 3/10/15

CAD MAINTAINED, (PROE) DOC TYPE D SHEET 10 OF 19

3RD ANGLE

SIZE D 1/1

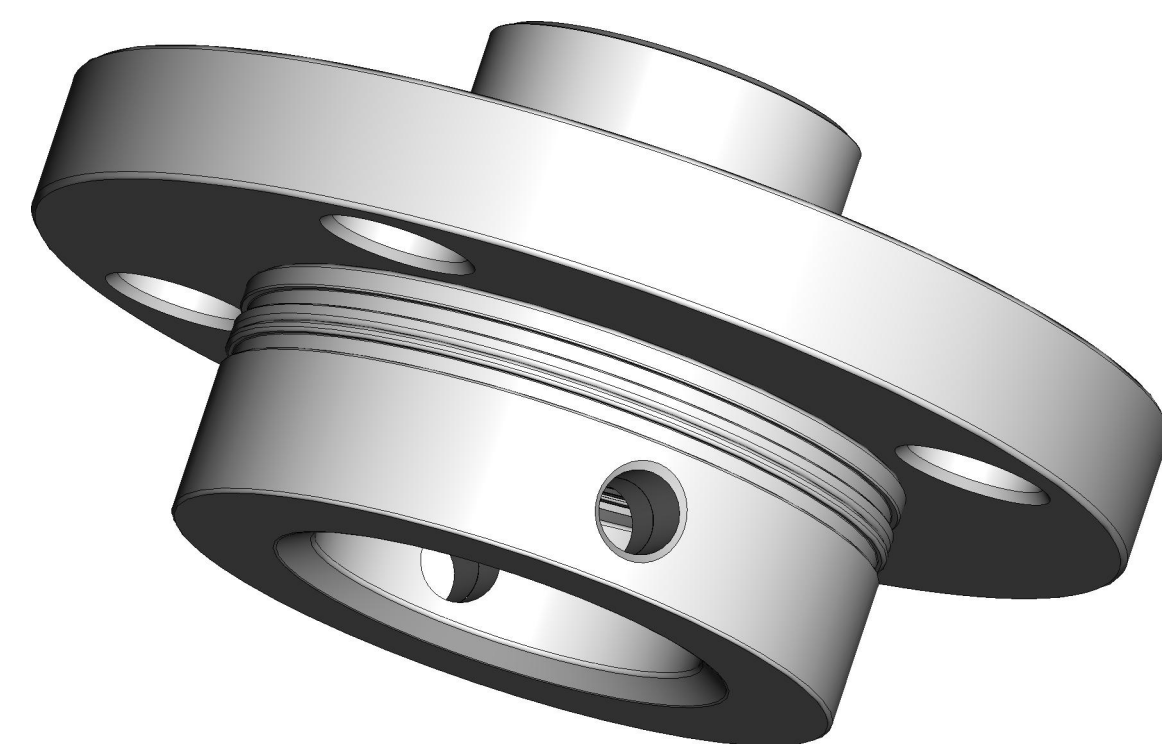
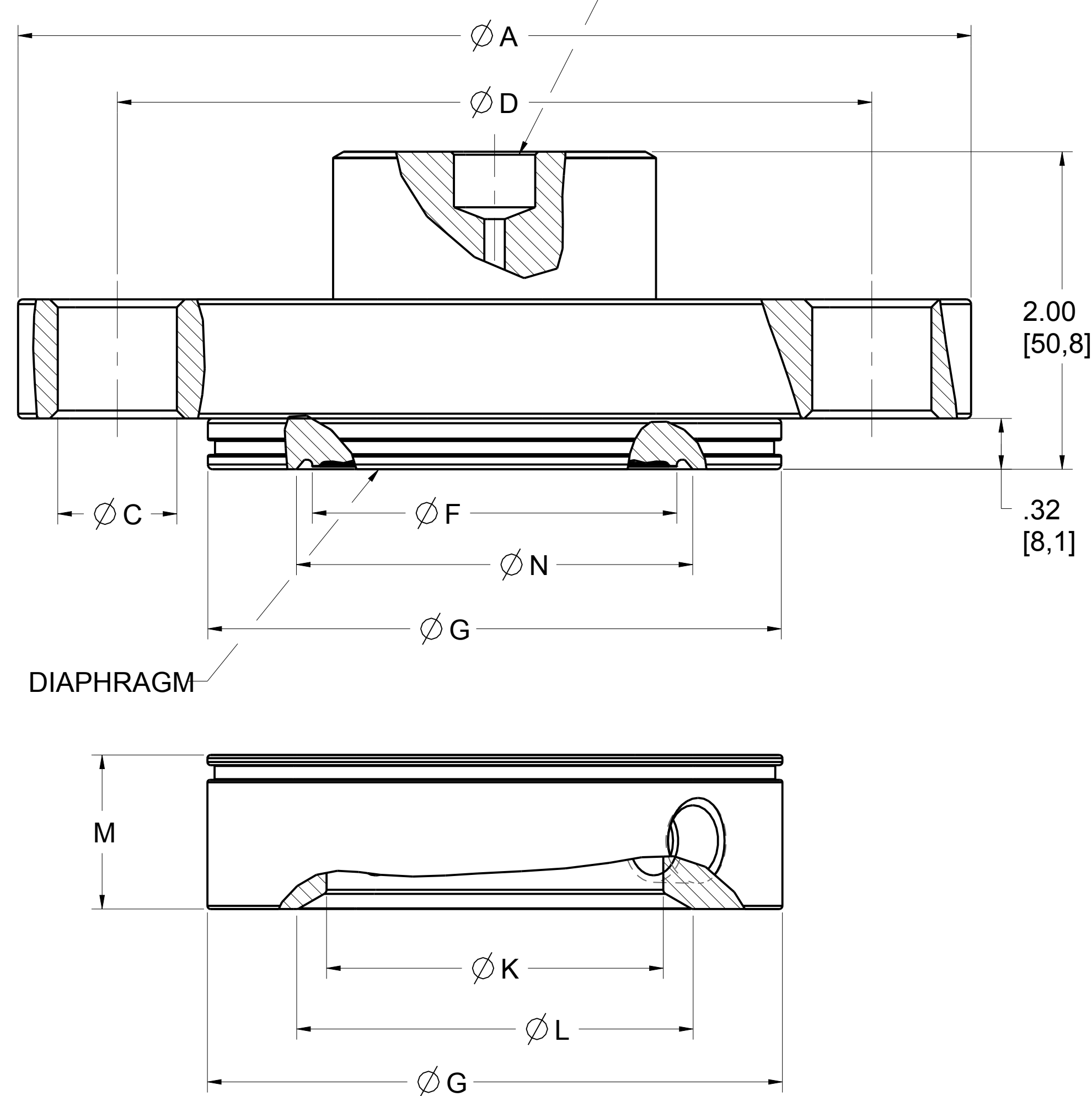
SCALE 1/1

REV AD

DRAWING NO. 03151-7000

FLUSH FLANGED (FF) SEAL

CONNECTION TO TRANSMITTER



	PIPE SIZE	CLASS	FLANGE DIAMETER "A"	FLANGE THICKNESS "B"	BOLT HOLE DIAMETER "C"	BOLT CIRCLE "D"	# OF BOLTS	STANDARD DIAPHRAGM DIAMETER "F"	
ANSI/ ASME	2-in.	150 lb.	6.00 (152)	0.69 (18)	0.75 (19)	4.75 (121)	4	2.30 (58)	
		300 lb.	6.50 (165)	0.81 (21)	0.75 (19)	5.00 (127)	8	2.30 (58)	
		600 lb.	6.50 (165)	1.00 (25)	0.75 (19)	5.00 (127)	8	2.30 (58)	
	3-in.	150 lb.	7.50 (191)	0.88 (22)	0.75 (19)	6.00 (152)	4	3.50 (89)	
		300 lb.	8.25 (210)	1.06 (27)	0.88 (22)	6.62 (168)	8	3.50 (89)	
		600 lb.	8.25 (210)	1.25 (32)	0.88 (22)	6.62 (168)	8	3.50 (89)	
4-in.	150 lb.	9.00 (229)	0.88 (22)	0.75 (19)	7.50 (191)	8	3.50 (89)		
	300 lb.	10.0 (254)	1.19 (30)	0.88 (22)	7.88 (200)	8	3.50 (89)		
	600 lb.	10.75 (273)	1.50 (38)	1.00 (25)	8.50 (216)	8	3.50 (89)		
EN 1092-1	DN 50	PN 40	6.50 (165)	0.79 (20)	0.71 (18)	4.92 (125)	4	2.30 (58)	
		PN 63	7.09 (180)	1.02 (26)	0.87 (22)	5.31 (135)	4	2.30 (58)	
		PN 100	7.68 (195)	1.10 (28)	1.02 (26)	5.71 (145)	4	2.30 (58)	
	DN 80	PN 40	7.87 (200)	0.94 (24)	0.71 (18)	6.30 (160)	8	3.50 (89)	
		PN 63	8.46 (215)	1.10 (28)	0.88 (22)	6.69 (170)	8	3.50 (89)	
		PN 100	9.06 (230)	1.26 (32)	1.02 (26)	7.09 (180)	8	3.50 (89)	
	DN 100	PN 16	8.66 (220)	0.79 (20)	0.71 (18)	7.09 (180)	8	3.50 (89)	
		PN 40	9.25 (235)	0.94 (24)	0.87 (22)	7.48 (190)	8	3.50 (89)	
		PN 63	9.84 (250)	1.18 (30)	1.02 (26)	7.87 (200)	8	3.50 (89)	
	JIS	50A	10K	6.10 (155)	0.63 (16)	0.75 (19)	4.72 (120)	4	2.30 (58)
			20K	6.10 (155)	0.71 (18)	0.75 (19)	4.72 (120)	8	2.30 (58)
			40K	6.50 (165)	1.02 (26)	0.75 (19)	5.12 (130)	8	2.30 (58)
80A		10K	7.28 (185)	0.71 (18)	0.75 (19)	5.91 (150)	8	3.50 (89)	
		20K	7.87 (200)	0.87 (22)	0.91 (23)	6.30 (160)	8	3.50 (89)	
		40K	8.27 (210)	1.26 (32)	0.91 (23)	6.69 (170)	8	3.50 (89)	
100A		10K	8.27 (210)	0.71 (18)	0.75 (19)	6.89 (175)	8	3.50 (89)	
		20K	8.86 (225)	0.95 (24)	0.91 (23)	7.28 (185)	8	3.50 (89)	
		40K	9.84 (250)	1.42 (36)	0.98 (25)	8.07 (205)	8	3.50 (89)	

RAISED FACE OUTER DIAMETER "G"	INNER DIAMETER "K"	BEVELED EDGE "L"	THICKNESS WITH 1/4-NPT F.C. "M"	THICKNESS WITH 1/2-NPT F.C. "M"	MINIMUM GASKET I.D. "N"
3.62 (92)	2.12 (54)	2.48 (63)	0.97 (25)	1.30 (33)	2.62 (67)
3.62 (92)	2.12 (54)	2.48 (63)	0.97 (25)	1.30 (33)	2.62 (67)
3.62 (92)	2.12 (54)	2.48 (63)	0.97 (25)	1.30 (33)	2.62 (67)
5.00 (127)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
5.00 (127)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
5.00 (127)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
6.20 (157)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
6.20 (157)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
6.20 (157)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
4.00 (102)	2.40 (61)	-	0.97 (25)	1.30 (33)	2.50 (64)
4.00 (102)	2.40 (61)	-	0.97 (25)	1.30 (33)	2.50 (64)
4.00 (102)	2.40 (61)	-	0.97 (25)	1.30 (33)	2.50 (64)
5.43 (138)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
5.43 (138)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
5.43 (138)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
6.20 (157)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
6.20 (157)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
6.20 (157)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
3.62 (92)	2.12 (54)	-	0.97 (25)	1.30 (33)	2.50 (64)
3.62 (92)	2.12 (54)	-	0.97 (25)	1.30 (33)	2.50 (64)
4.00 (102)	2.40 (61)	-	0.97 (25)	1.30 (33)	2.50 (64)
5.00 (127)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
5.00 (127)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
5.43 (138)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
6.20 (157)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
6.20 (157)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
6.20 (157)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)

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TITLE ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER

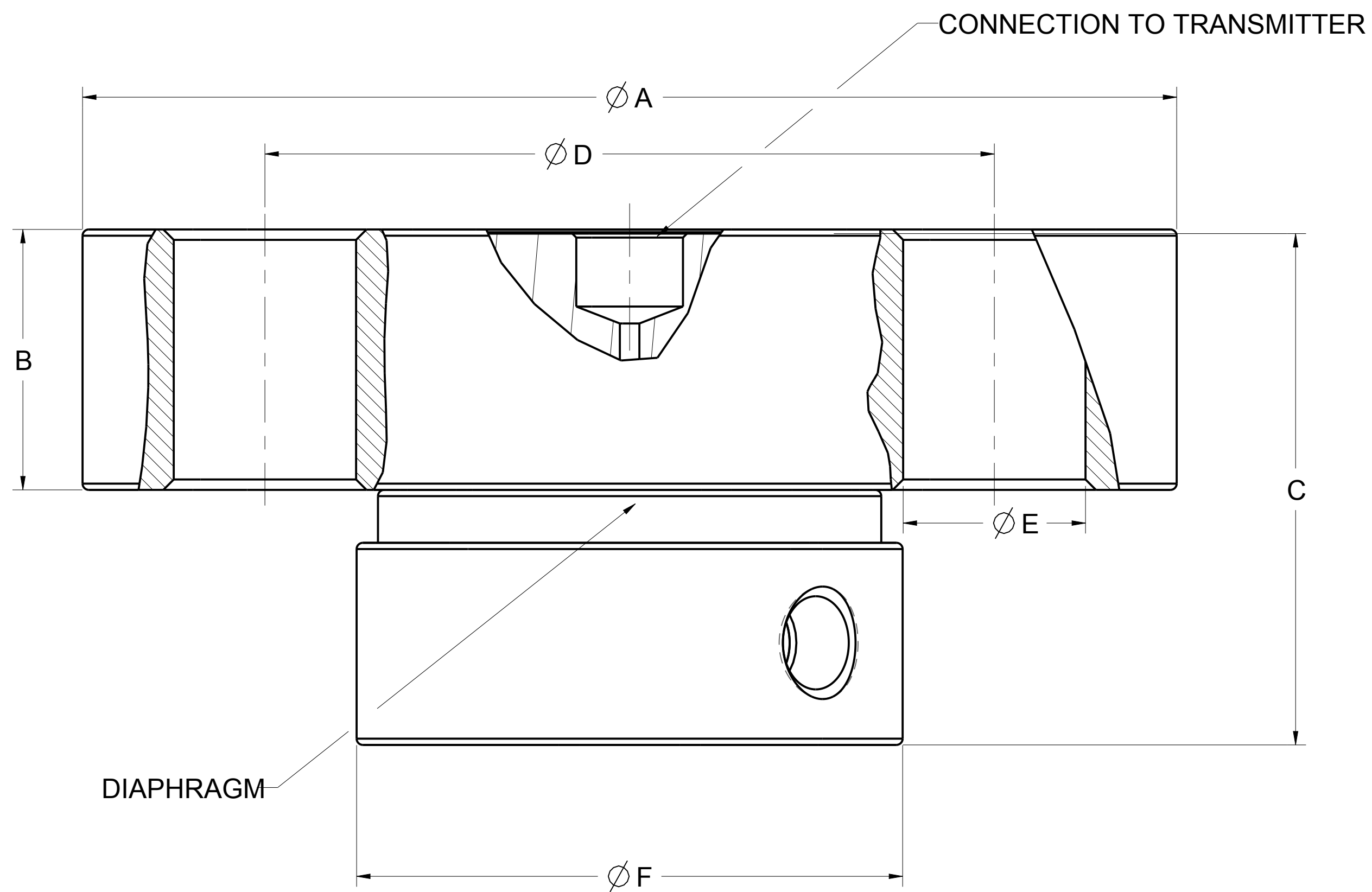
DR. JLA 2/21/13 DRAWING NO. 03151-7000
APPD P. FADELL 3/10/15

CAD MAINTAINED, (PROE) DOC TYPE D SHEET 11 OF 19

3RD ANGLE

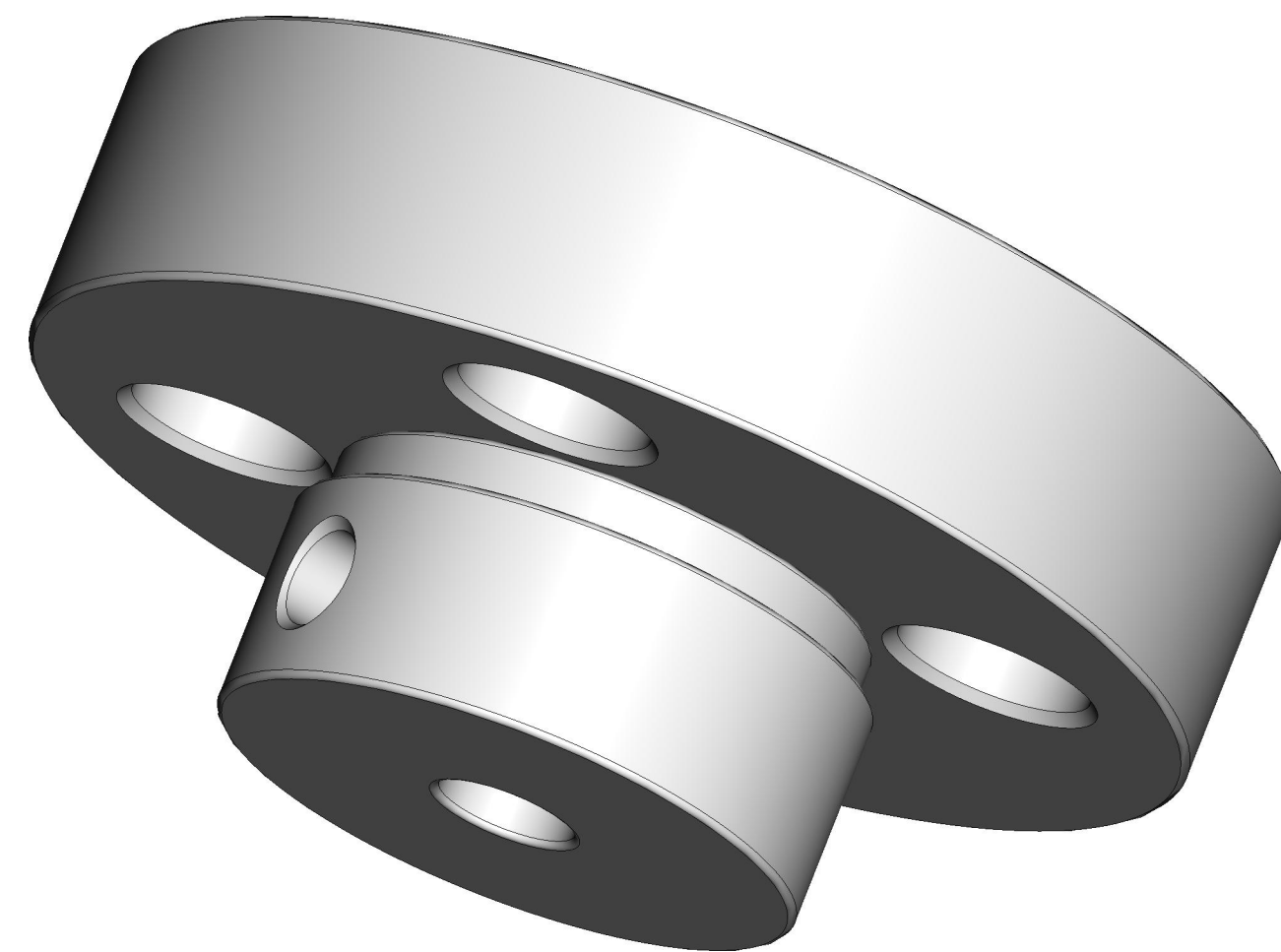
SIZE D SCALE 1/1 REV AD

THREADED (RF) SEAL
STANDARD INERT DESIGN



	PIPE SIZE	CLASS	FLANGE DIAMETER "A"	FLANGE THICKNESS "B"	OVERALL HEIGHT "C"	
					W/NO OR 1/4-in. NPT FLUSH CONNECTION	1/2-in. NPT FLUSH CONNECTION
ANSI/ ASME	1/2-in.	2500 lb.	5.25 (133)	1.19 (30)	2.45 (62)	2.79 (71)
	3/4-in.	300/600 lb.	4.62 (117)	0.62 (16)	2.45 (62)	2.79 (71)
	1-in.	150 lb.	4.25 (108)	0.50 (13)	2.45 (62)	2.79 (71)
		300 lb.	4.88 (124)	0.62 (16)	2.45 (62)	2.79 (71)
		600 lb.	4.88 (124)	0.69 (18)	2.45 (62)	2.79 (71)
		1 1/2-in.	150 lb.	5.00 (127)	0.62 (16)	2.45 (62)
	300 lb.	6.12 (155)	0.75 (19)	2.45 (62)	2.79 (71)	
	600 lb.	6.12 (155)	0.88 (22)	2.45 (62)	2.79 (71)	
	EN1092-1	DN 25	PN 40	4.53 (115)	0.71 (18)	2.45 (62)
	DN 40	PN 40	5.91 (150)	0.71 (18)	2.45 (62)	2.79 (71)
JIS	20A	40K	4.72 (120)	0.79 (20)	2.45 (62)	2.79 (71)
	25A	10K	4.92 (125)	0.55 (14)	2.45 (62)	2.79 (71)
		20K	4.92 (125)	0.63 (16)	2.45 (62)	2.79 (71)
40A	40K	5.12 (130)	0.87 (22)	2.45 (62)	2.79 (71)	
	10K	5.51 (140)	0.63 (16)	2.45 (62)	2.79 (71)	
	20K	5.51 (140)	0.71 (18)	2.45 (62)	2.79 (71)	
	40K	6.30 (160)	0.94 (24)	2.45 (62)	2.79 (71)	

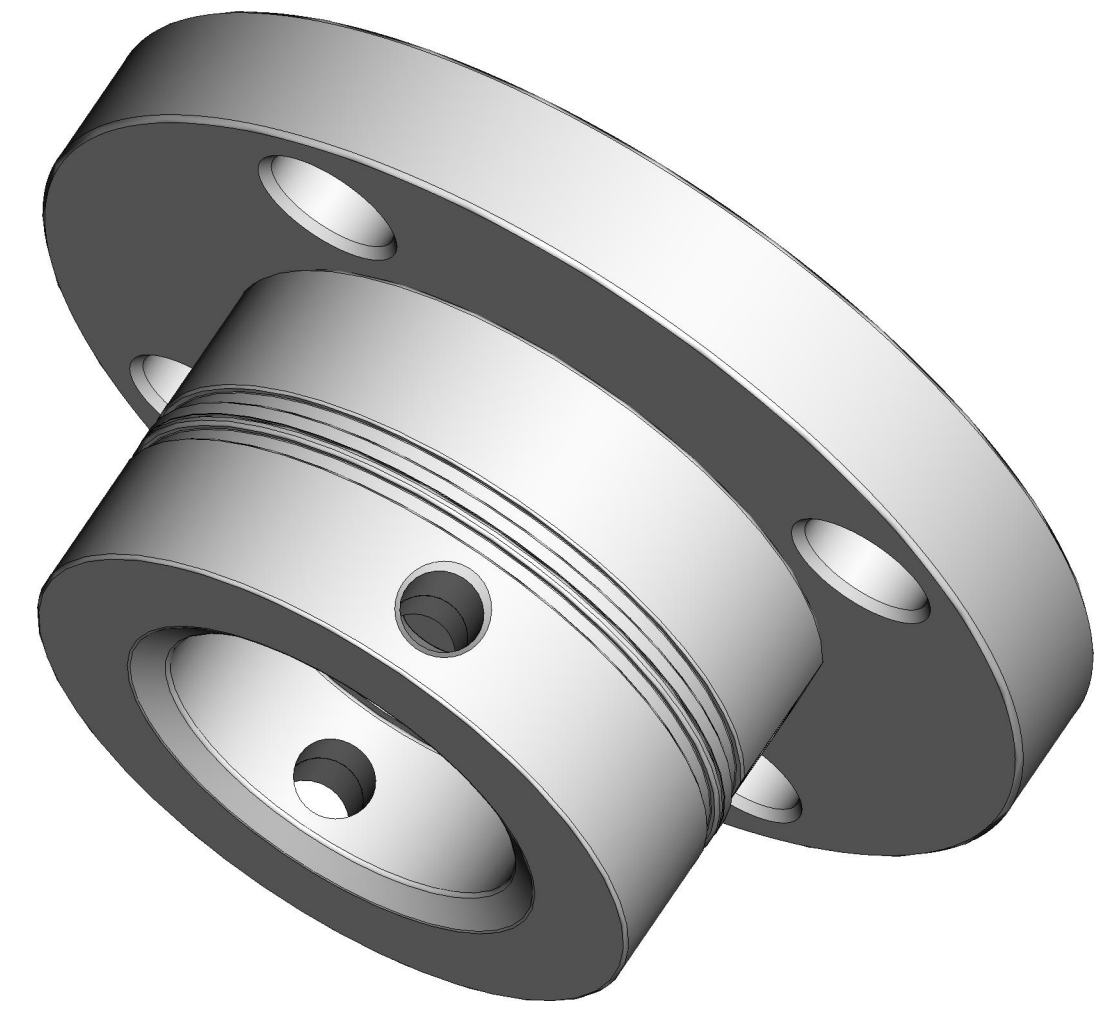
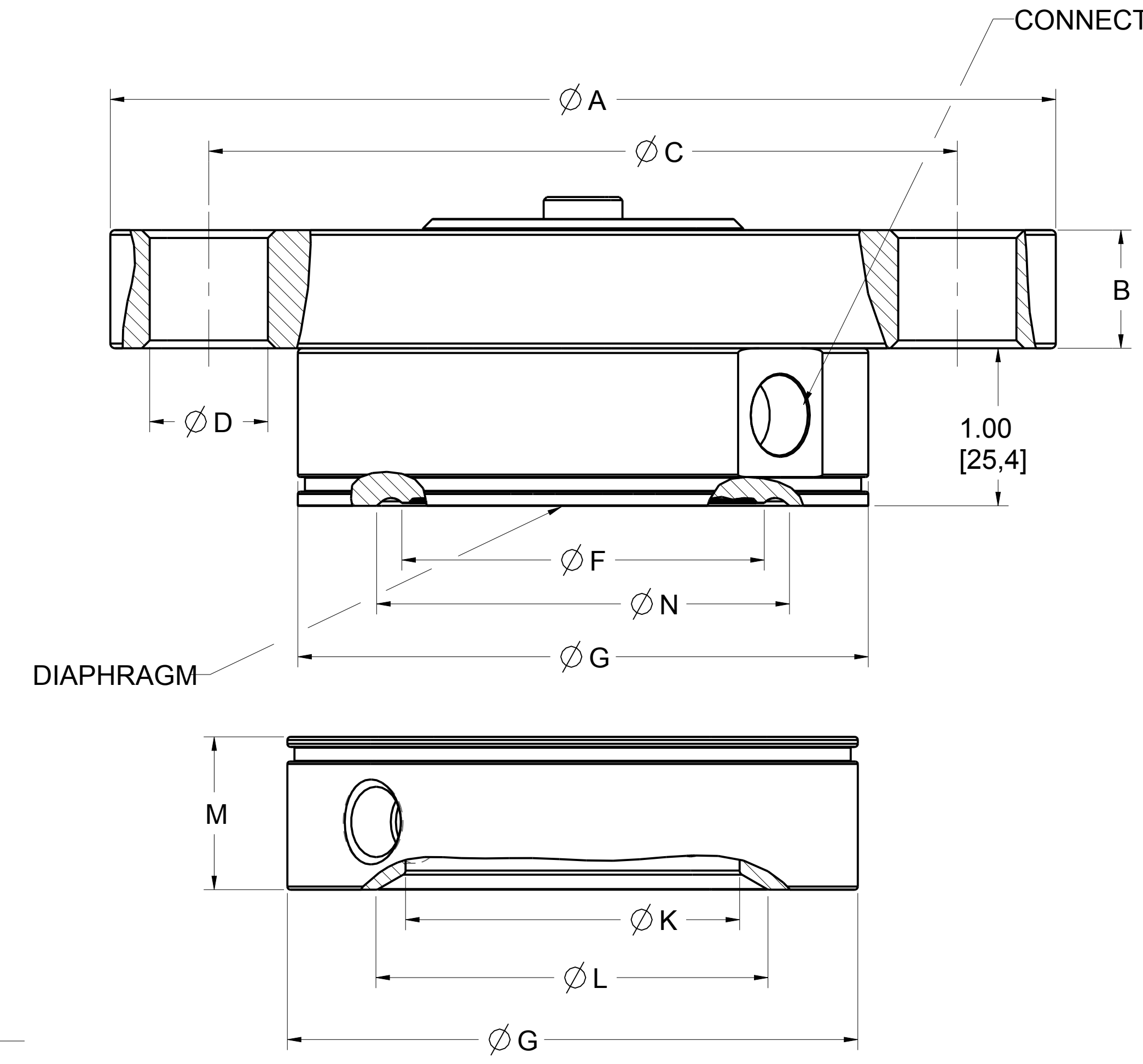
BOLT CIRCLE DIAMETER "D"	BOLT HOLE DIAMETER "E"	LOWER HOUSING DIAMETER "F"
3.50 (89)	0.88 (22)	2.62 (67)
3.25 (83)	0.75 (19)	2.62 (67)
3.12 (79)	0.63 (16)	2.62 (67)
3.50 (89)	0.75 (19)	2.62 (67)
3.50 (89)	0.75 (19)	2.62 (67)
3.88 (99)	0.63 (16)	2.88 (73)
4.50 (114)	0.88 (22)	2.88 (73)
4.50 (114)	0.88 (22)	2.88 (73)
3.35 (85)	0.55 (14)	2.68 (68)
4.33 (110)	0.71 (18)	3.47 (88)
3.35 (85)	0.75 (19)	2.62 (67)
3.54 (90)	0.75 (19)	2.62 (67)
3.54 (90)	0.75 (19)	2.62 (67)
3.74 (95)	0.75 (19)	2.76 (70)
4.13 (105)	0.75 (19)	3.19 (81)
4.13 (105)	0.75 (19)	3.19 (81)
4.72 (120)	0.91 (23)	3.54 (90)



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	EMERSON Process Management ROSEMOUNT®					
	TITLE ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER					
	DR. JLA	2/21/13	DRAWING NO.		03151-7000	
APPD P. FADELL	3/10/15					
CAD MAINTAINED, (PROE)			DOC TYPE	D	SHEET 12 OF 19	

FLANGED PANCAKE (PF) SEAL



	PIPE SIZE	CLASS	FLANGE DIAMETER "A"	FLANGE THICKNESS "B"	BOLT HOLE DIAMETER "C"	BOLT CIRCLE "D"	# OF BOLTS	STANDARD DIAPHRAGM DIAMETER "F"
ANSI/ ASME	2-in.	150 lb.	6.00 (152)	0.69 (18)	0.75 (19)	4.75 (121)	4	2.30 (58)
		300 lb.	6.50 (165)	0.81 (21)	0.75 (19)	5.00 (127)	8	2.30 (58)
		600 lb.	6.50 (165)	1.00 (25)	0.75 (19)	5.00 (127)	8	2.30 (58)
	3-in.	900/1500 lb.	8.50 (216)	1.50 (38)	1.00 (25)	6.50 (165)	8	2.30 (58)
		2500 lb.	9.25 (235)	2.00 (51)	1.13 (29)	6.75 (172)	8	2.30 (58)
		150 lb.	7.50 (191)	0.88 (22)	0.75 (19)	6.00 (152)	4	3.50 (89)
EN1092-1	DN 50	300 lb.	8.25 (210)	1.06 (27)	0.88 (22)	6.62 (168)	8	3.50 (89)
		600 lb.	8.25 (210)	1.25 (32)	0.88 (22)	6.62 (168)	8	3.50 (89)
		900 lb.	10.50 (267)	1.50(38)	1.25 (32)	8.00 (203)	8	3.50 (89)
	DN 80	1500 lb.	10.50 (267)	1.88 (48)	1.25 (32)	8.00 (203)	8	3.50 (89)
		2500 lb.	12.00 (305)	2.62 (67)	1.38 (35)	9.00 (229)	8	3.50 (89)
		PN 40	6.50 (165)	0.67 (17)	0.79 (20)	4.92 (125)	4	2.30 (58)
	DN 50	PN 63	7.09 (180)	0.91 (23)	1.02 (26)	5.31 (135)	4	2.30 (58)
		PN100	7.68 (195)	0.98 (25)	1.10 (28)	5.71 (145)	4	2.30 (58)
		PN 40	7.87 (200)	0.83 (21)	0.79 (20)	6.30 (160)	8	3.50 (89)
	DN 80	PN 63	8.46 (215)	0.98 (25)	1.02 (26)	6.69 (170)	8	3.50 (89)
		PN 100	9.06 (230)	0.98 (25)	1.10 (28)	7.09 (180)	8	3.50 (89)

OUTER DIAMETER "G"	INNER DIAMETER "K"	BEVELED DIAMETER "L"	THICKNESS WITH 1/4-NPT F.C. "M"	THICKNESS WITH 1/2-NPT F.C. "M"	MINIMUM GASKET I.D. "N"
3.62 (92)	2.12 (54)	2.48 (63)	0.97 (25)	1.30 (33)	2.62 (67)
3.62 (92)	2.12 (54)	2.48 (63)	0.97 (25)	1.30 (33)	2.62 (67)
3.62 (92)	2.12 (54)	2.48 (63)	0.97 (25)	1.30 (33)	2.62 (67)
3.62 (92)	2.12 (54)	-	0.97 (25)	1.30 (33)	2.62 (67)
3.62 (92)	2.12 (54)	-	0.97 (25)	1.30 (33)	2.62 (67)
5.00 (127)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
5.00 (127)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
5.00 (127)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
5.00 (127)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
5.00 (127)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
5.00 (127)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
4.00 (102)	2.40 (61)	-	0.97 (25)	1.30 (33)	2.50 (64)
4.00 (102)	2.40 (61)	-	0.97 (25)	1.30 (33)	2.50 (64)
4.00 (102)	2.40 (61)	-	0.97 (25)	1.30 (33)	2.50 (64)
5.43 (138)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
5.43 (138)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)
5.43 (138)	3.60 (91)	-	0.97 (25)	1.30 (33)	3.70(94)

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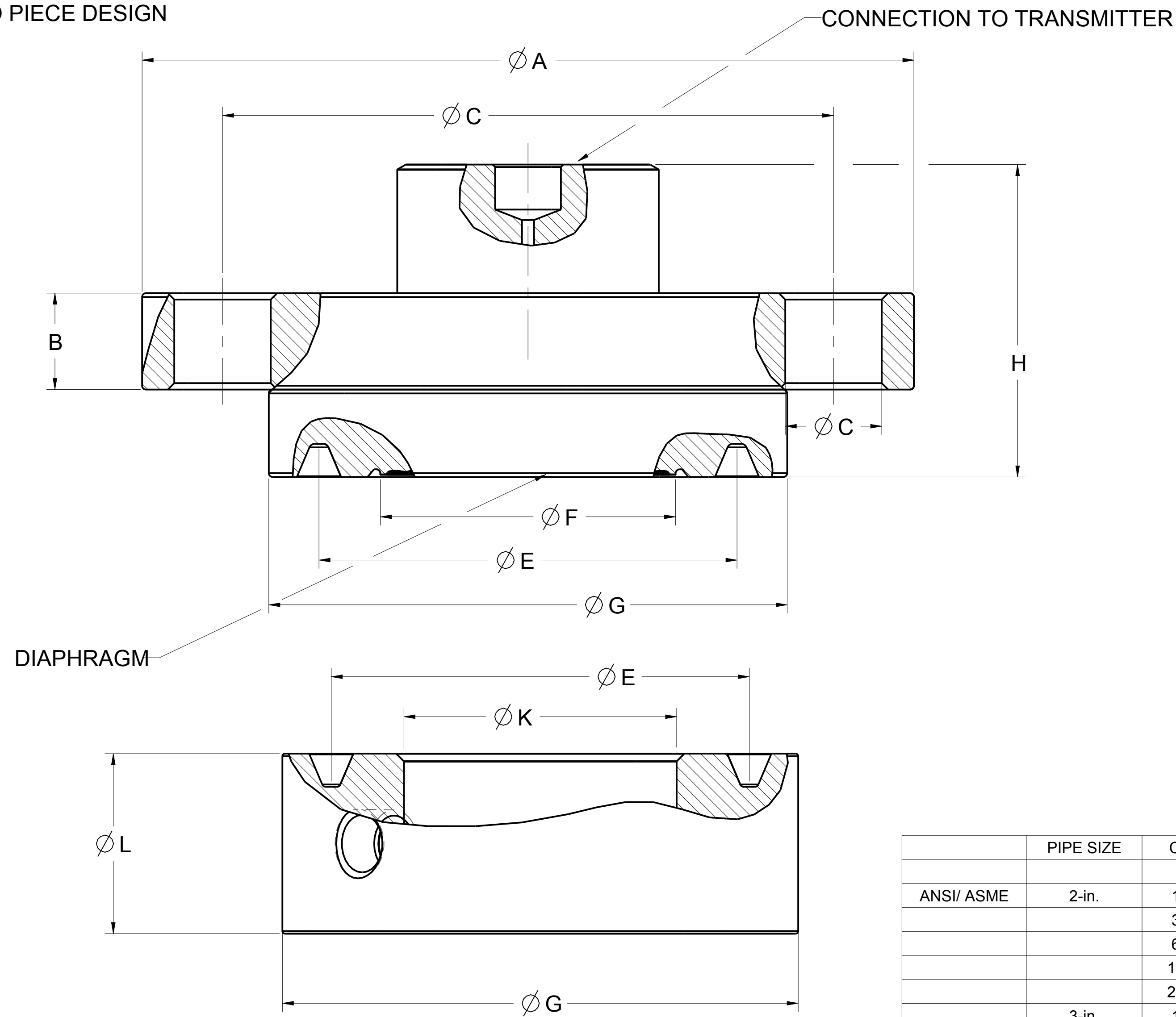
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DR: JLA 2/21/13 DRAWING NO. 03151-7000
APPD P. FADELL 3/10/15

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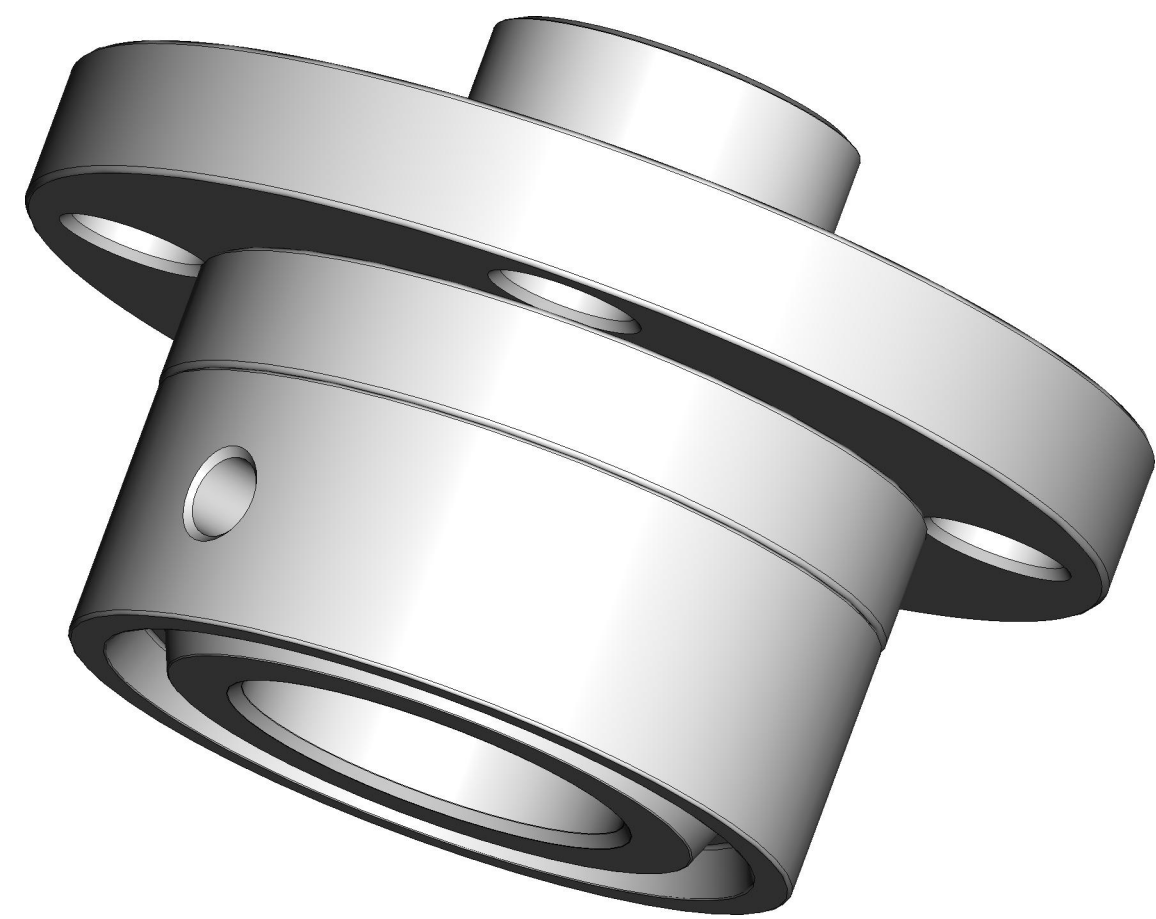
DRAWING NO. 03151-7000

FLUSH FLANGED (FC) SEAL
TWO PIECE DESIGN



	PIPE SIZE	CLASS	FLANGE DIAMETER "A"	FLANGE THICKNESS "B"	BOLT HOLE DIAMETER "C"	BOLT CIRCLE "D"	RTJ DIAMETER "E"	DIAPHRAGM DIAMETER "F"
ANSI/ ASME	2-in.	150 lb.	6.00 (152)	0.69 (18)	0.75 (19)	4.75 (121)	3.25 (83)	2.30 (58)
		300 lb.	6.50 (165)	0.82 (21)	0.75 (19)	5.00 (127)	3.25 (83)	2.30 (58)
		600 lb.	6.50 (165)	1.00 (25)	0.75 (19)	5.00 (127)	3.25 (83)	2.30 (58)
		1500 lb.	8.50 (216)	1.50 (38)	1.00 (25)	6.50 (165)	3.75 (95)	2.30 (58)
	3-in.	2500 lb.	9.25 (235)	2.00 (51)	1.14 (29)	6.75 (171)	4.00 (102)	3.50 (89)
		150 lb.	7.50 (191)	0.88 (22)	0.75 (19)	6.00 (152)	4.50 (114)	3.50 (89)
		300 lb.	8.25 (210)	1.06 (27)	0.88 (22)	6.62 (168)	4.88 (124)	3.50 (89)
		600 lb.	8.25 (210)	1.25 (32)	0.88 (22)	6.62 (168)	4.88 (124)	3.50 (89)
		900 lb.	9.50 (241)	1.50 (38)	1.00 (25)	7.50 (191)	4.88 (124)	3.50 (89)
		1500 lb.	10.50 (267)	1.88 (48)	1.25 (32)	8.00 (203)	5.38 (137)	3.50 (89)
		2500 lb.	12.00 (305)	2.62 (67)	1.38 (35)	9.00 (229)	5.00 (127)	3.50 (89)

RAISED FACE DIAMETER "G"	OVERALL HEIGHT "H"	RAISED FACE HEIGHT "J"	INNER DIAMETER "K"	THICKNESS WITH 1/4-NPT F.C. "L"	THICKNESS WITH 1/2-NPT F.C. "L"
4.00 (102)	2.43 (62)	0.68 (17)	2.12 (54)	1.4 (36)	1.7 (43)
4.25 (108)	2.43 (62)	0.68 (17)	2.12 (54)	1.4 (36)	1.7 (43)
4.25 (108)	2.43 (62)	0.68 (17)	2.12 (54)	1.4 (36)	1.7 (43)
4.88 (124)	2.57 (65)	0.82 (21)	2.12 (54)	1.4 (36)	1.7 (43)
5.25 (133)	3.07 (78)	0.82 (21)	2.12 (54)	1.4 (36)	1.7 (43)
5.25 (133)	2.43 (62)	0.68 (17)	3.60 (91)	1.5 (38)	1.8 (46)
5.75 (146)	2.43 (62)	0.68 (17)	3.60 (91)	1.5 (38)	1.8 (46)
5.75 (146)	2.43 (62)	0.68 (17)	3.60 (91)	1.5 (38)	1.8 (46)
6.12 (155)	2.57 (65)	0.82 (21)	3.60 (91)	1.5 (38)	1.8 (46)
6.62 (168)	3.07 (78)	0.82 (21)	3.60 (91)	1.5 (38)	1.8 (46)
6.62 (168)	4.07 (103)	0.82 (21)	3.60 (91)	1.5 (38)	1.8 (46)



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3RD ANGLE

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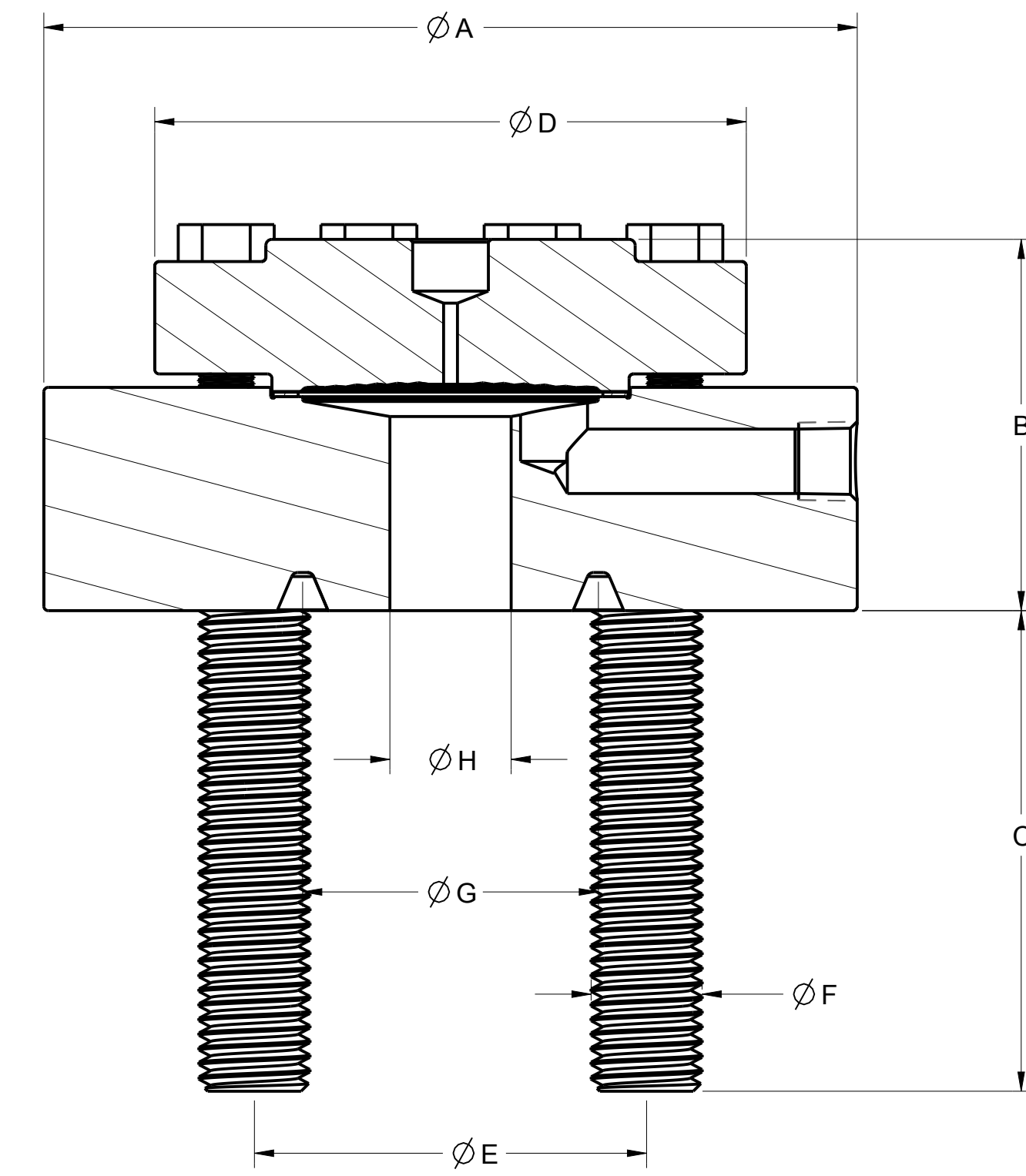
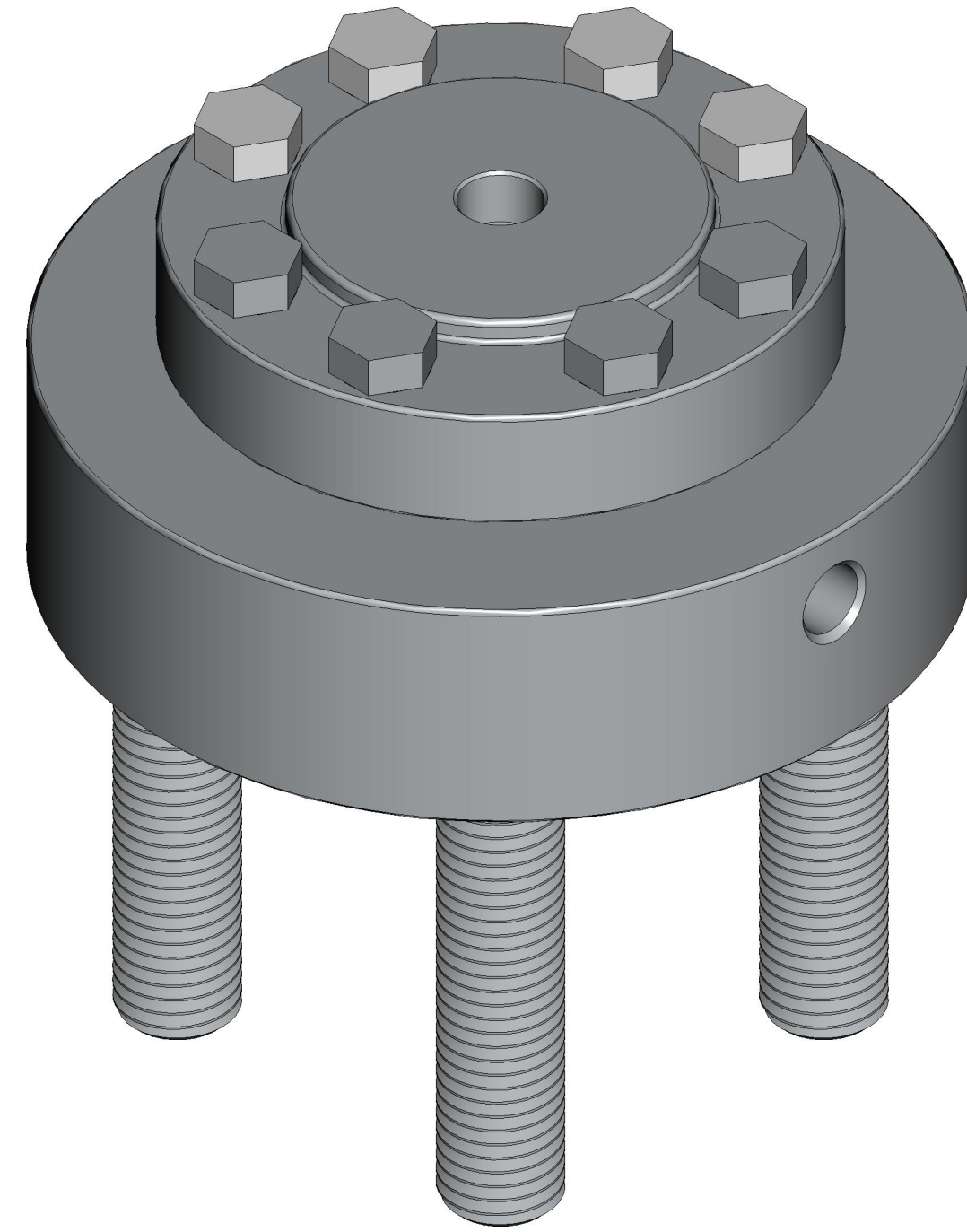
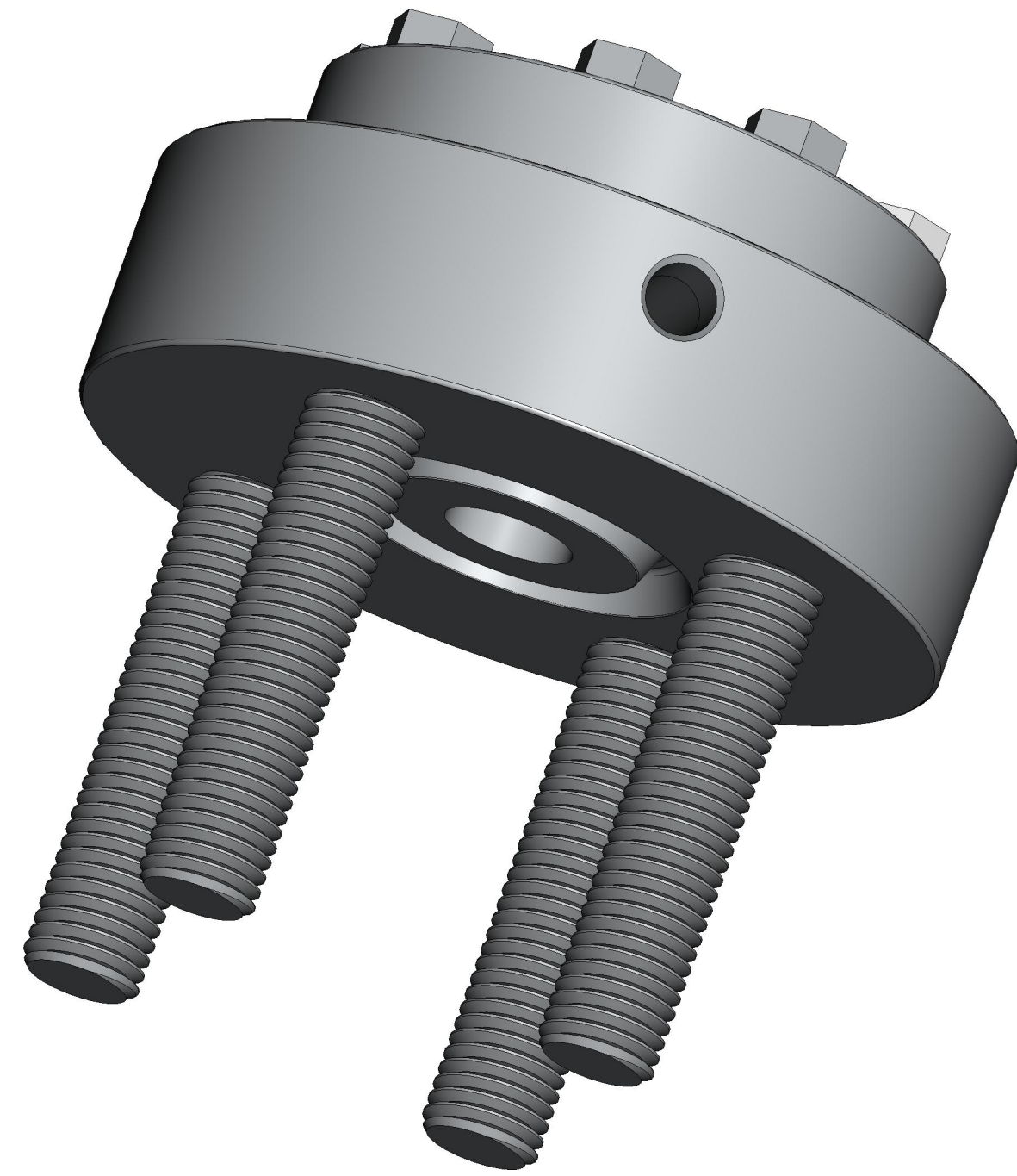
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DR. JLA 2/21/13 DRAWING NO. 03151-7000

APPD P. FADELL 3/10/15

CAD MAINTAINED, (PROE) DOC TYPE D SHEET 14 OF 19

FLANGED (RC) SEAL
STANDARD INERT DESIGN

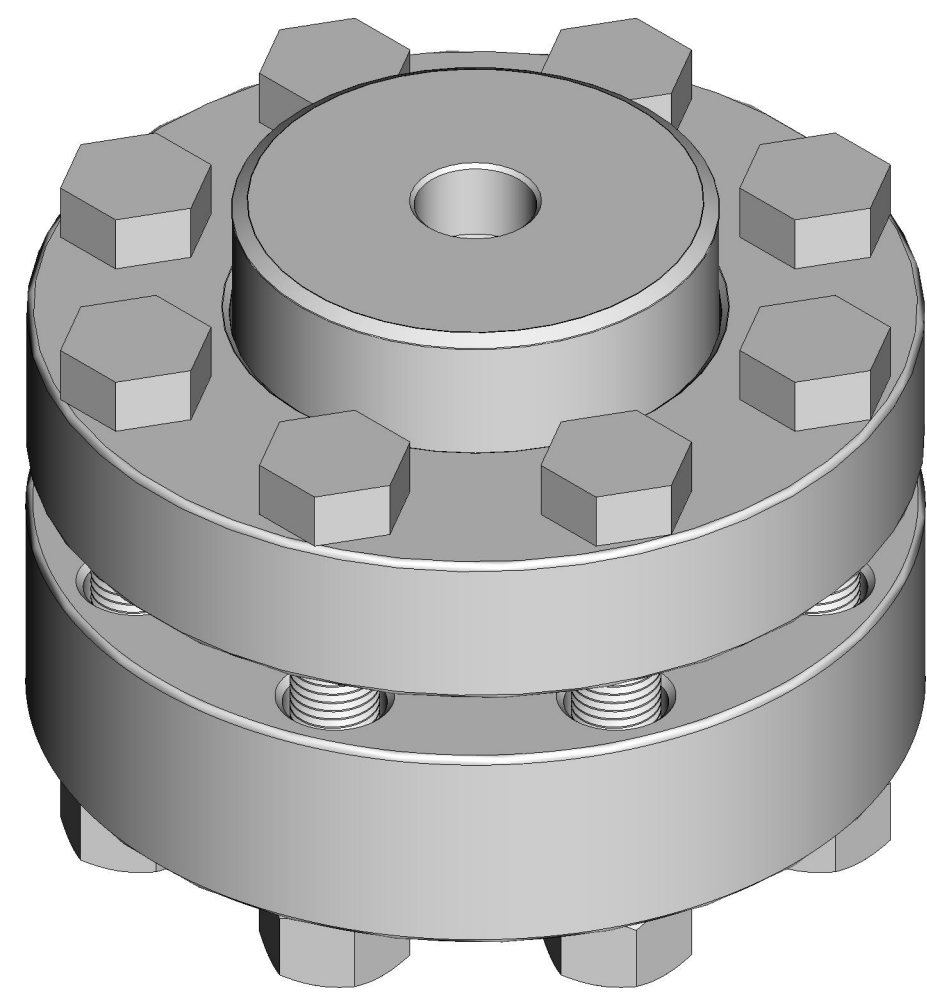
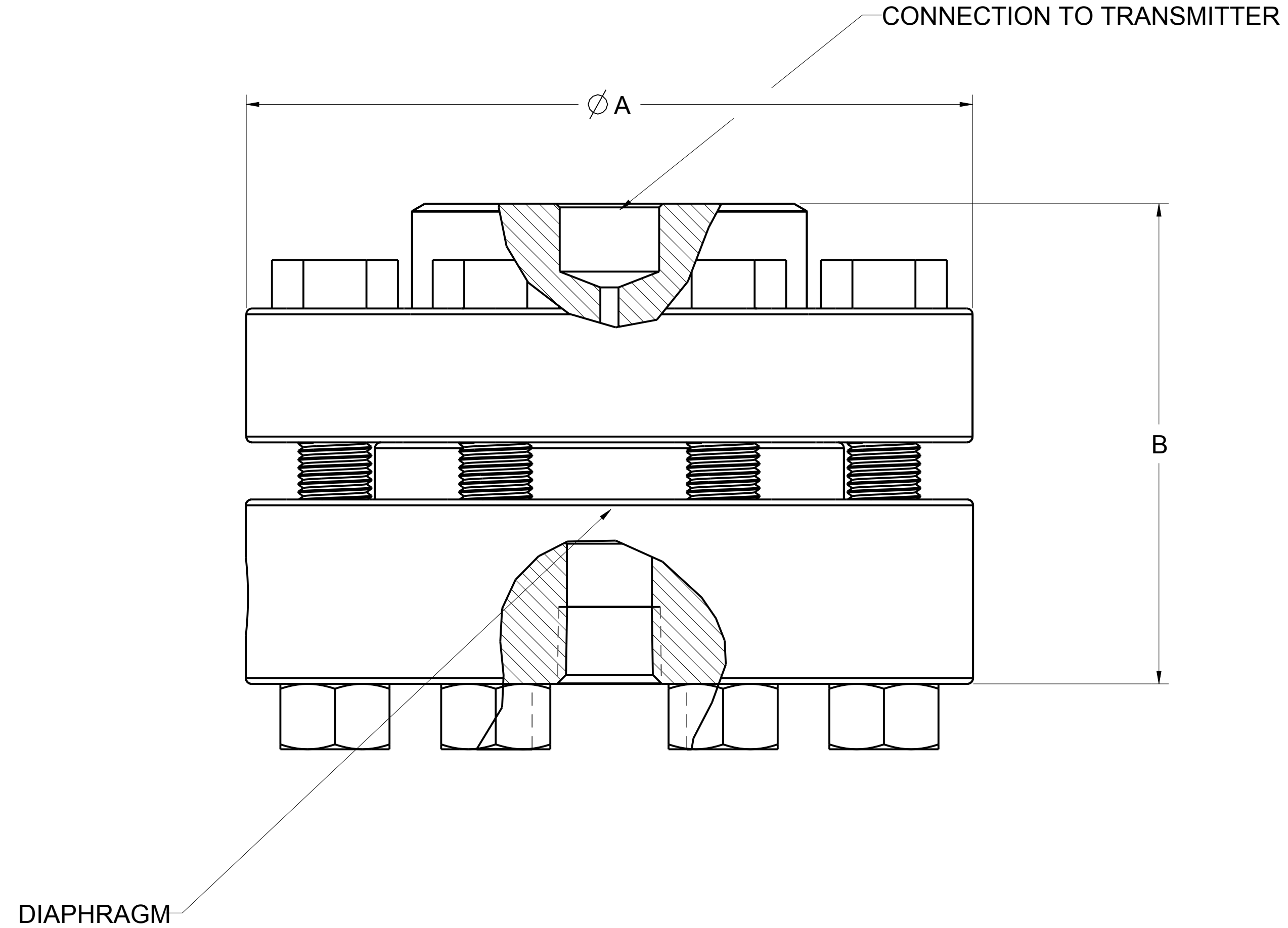


ANSI Pipe Size	ANSI Class	Lower Diameter Ø"A" in. (mm)	Overall Height "B" w/ 1/4 FLUSH in. (mm)	Overall Height "B" w/ 1/2 FLUSH in. (mm)	Protruding Stud Length "C" in. (mm)	Upper Diameter Ø"D" in. (mm)	Stud Bolt Circle Ø"E" in. (mm)	Stud Bolt Diameter Ø"F" in. (mm)	RTJ Groove Pitch Diameter Ø"G" in. (mm)	Process Hole Diameter Ø"H" in. (mm)	Weight lb (kg)
1/2	300/600	3.75(95)	2.23(57)	2.529(64)	2(51)	3.74(95)	2.62(67)	0.50(13)	1.34(34)	0.62(16)	10.84(4.92)
1/2	900/1500	4.75(121)	2.36(60)	2.71(69)	3.25(83)	4.00(102)	3.25(83)	0.75(19)	1.56(40)	0.62(16)	17.98(8.16)
1/2	2500	5.25(133)	2.45(62)	2.75(70)	3.25(83)	4.00(102)	3.50(89)	0.75(19)	1.69(43)	0.62(16)	21.30(9.66)
3/4	300/600	4.62(117)	2.26(57)	2.56(65)	2.37(60)	3.74(95)	3.25(83)	0.63(16)	1.69(43)	0.82(21)	15.51(7.04)
3/4	900/1500	5.12(130)	2.36(60)	2.66(68)	3.25(83)	4.00(102)	3.50(89)	0.75(19)	1.75(44)	0.82(21)	19.76(8.96)
3/4	2500	5.50(140)	2.51(64)	2.81(71)	3.25(83)	4.00(102)	3.75(95)	0.75(19)	2.00(51)	0.82(21)	23.21(10.53)
1	150	4.25(108)	2.26(57)	2.56(65)	2.00(51)	3.74(95)	3.12(79)	0.50(13)	1.88(48)	1.05(27)	12.84(5.82)
1	300/600	4.88(124)	2.26(57)	2.56(65)	2.37(60)	3.74(95)	3.50(89)	0.63(16)	2.00(51)	1.05(27)	16.70(7.58)
1	900/1500	5.88(149)	2.38(60)	2.68(68)	3.62(92)	4.00(102)	4.00(102)	0.88(22)	2.00(51)	1.05(27)	25.82(11.71)
1	2500	6.25(159)	2.64(67)	2.94(75)	3.62(92)	4.00(102)	4.25(108)	0.88(22)	2.38(60)	1.05(27)	30.76(13.95)
1-1/2	150	5.00(127)	2.56(65)	2.56(65)	2.00(51)	3.74(95)	3.88(99)	0.50(13)	2.56(65)	1.61(41)	16.00(7.26)
1-1/2	300/600	6.12(155)	2.56(65)	2.56(65)	3.25(83)	3.74(95)	4.50(114)	0.75(19)	2.69(68)	1.61(41)	24.72(11.21)
1-1/2	900/1500	7.00(178)	2.56(65)	2.56(65)	3.50(89)	4.00(102)	4.88(124)	1.00(25)	2.69(68)	1.61(41)	33.38(15.14)
1-1/2	2500	8.00(203)	3.07(78)	3.07(78)	4.37(111)	4.00(102)	5.75(146)	1.13(29)	3.25(83)	1.61(41)	51.45(23.34)

DRAWING NO. 03151-7000

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	EMERSON Process Management ROSEMOUNT®				
	TITLE ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER				
	DR. JLA 2/21/13	DRAWING NO. 03151-7000		APPD P. FADELL 3/10/15	
CAD MAINTAINED, (PROE) DOC TYPE D SHEET 15 OF 19					

THREADED (RT) SEAL

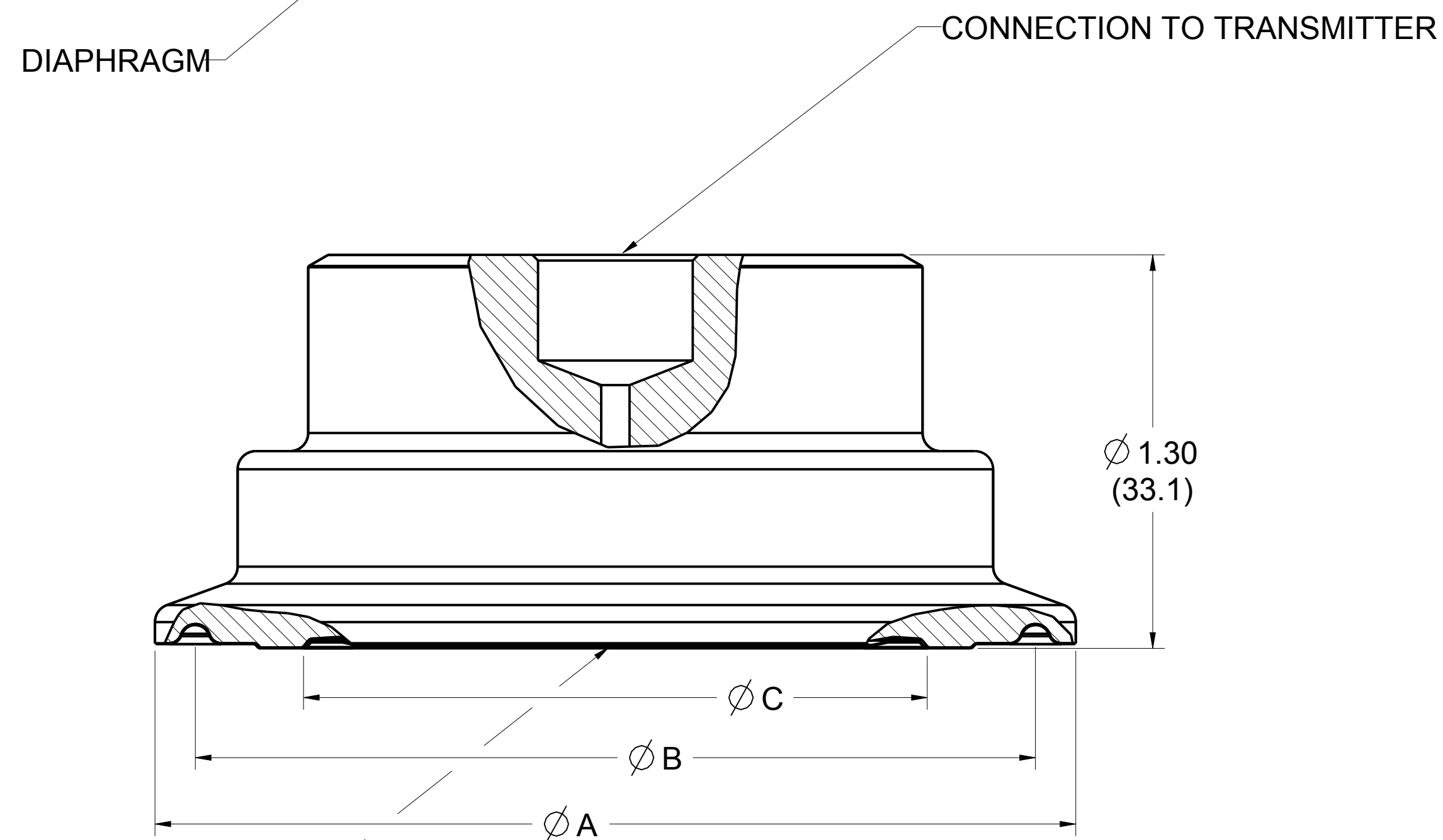
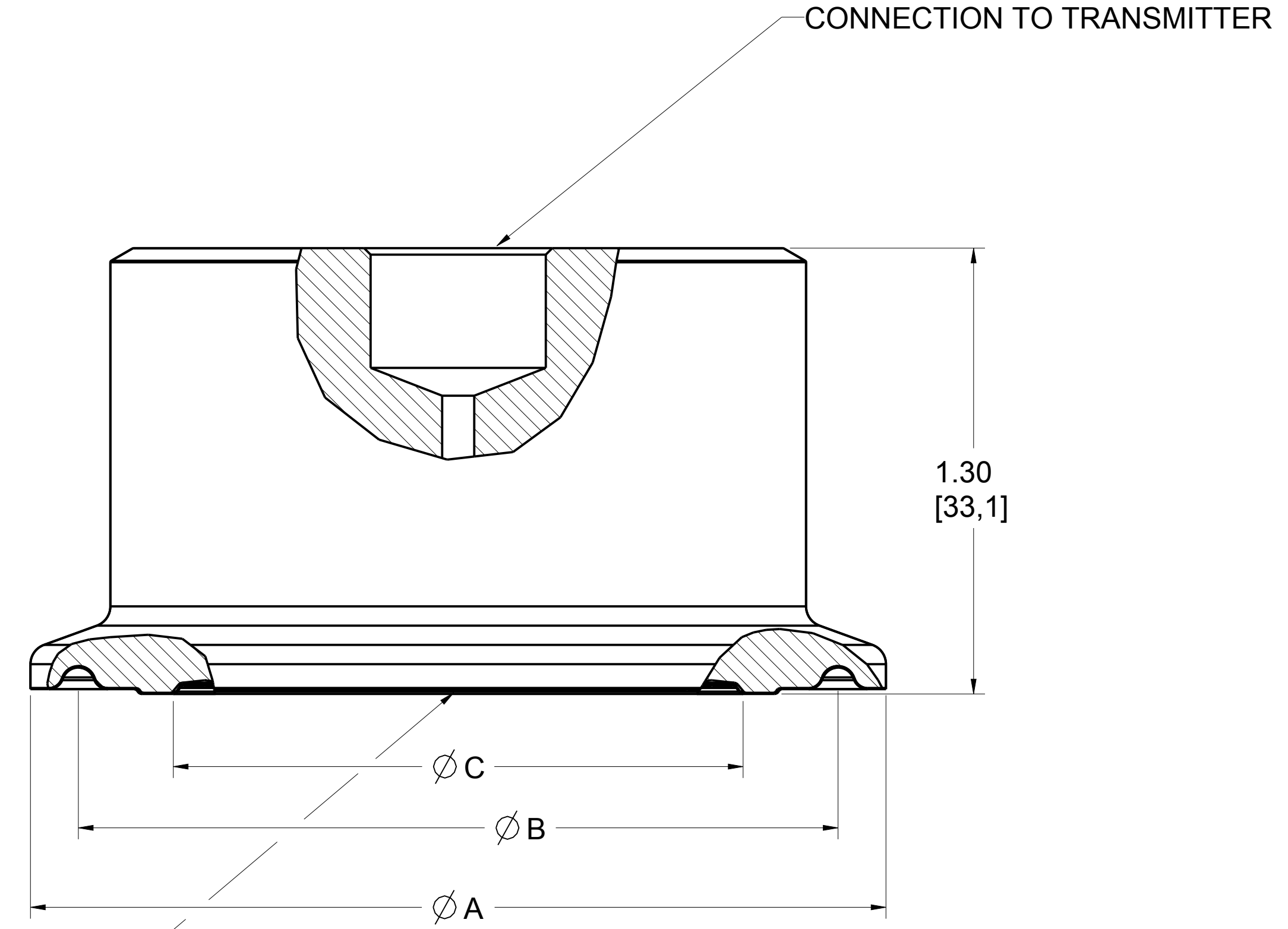
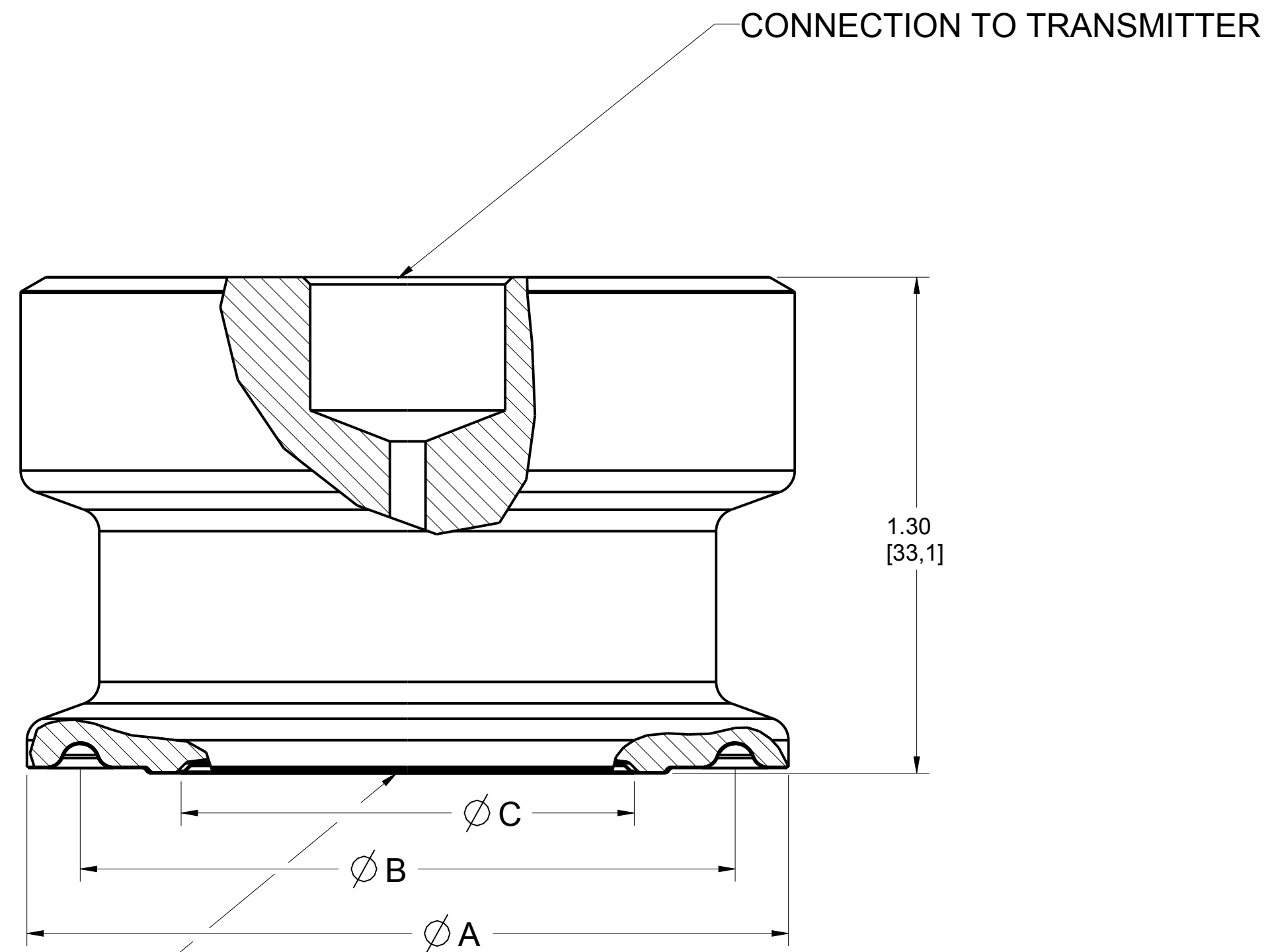


RATING	OVERALL DIAMETER "A"	OVERALL HEIGHT "B"	
		NO OR 1/4-in. NPT FLUSH CONNECTION	1/2-in. NPT FLUSH CONNECTION
2500 psi (172 bar)	3.74 (95)	2.47 (63)	2.82 (72)
5000 psi (345 bar)	3.74 (95)	1.95 (50)	2.31 (59)
10000 psi (690 bar)	4.00 (102)	1.95 (50)	N/A

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	ROSEMOUNT®	
	TITLE ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER	
	DR. JLA 2/21/13 APP'D P. FADELL 3/10/15	DRAWING NO. 03151-7000 CAD MAINTAINED, (PROE)

DRAWING NO. 03151-7000

TRI-CLAMP (SC) SEAL



PIPE SIZE	OUTTER DIAMETER "A"	O-RING GROOVE DIAMETER "B"	DIAPHRAGM DIAMETER "C"
1-1/2 in.	2.00 (51)	1.72 (44)	1.21 (31)
2 in.	2.50 (64)	2.22 (56)	1.68 (43)
2-1/2 in.	3.05 (77)	2.78 (71)	2.07 (53)
3 in.	3.58 (91)	3.28 (83)	2.58 (66)
4 in.	4.68 (119)	4.35 (110)	3.66 (93)



UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES (mm)

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TITLE ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER

DR. JLA 2/21/13 DRAWING NO. 03151-7000

APPD P. FADELL 3/10/15

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3RD ANGLE

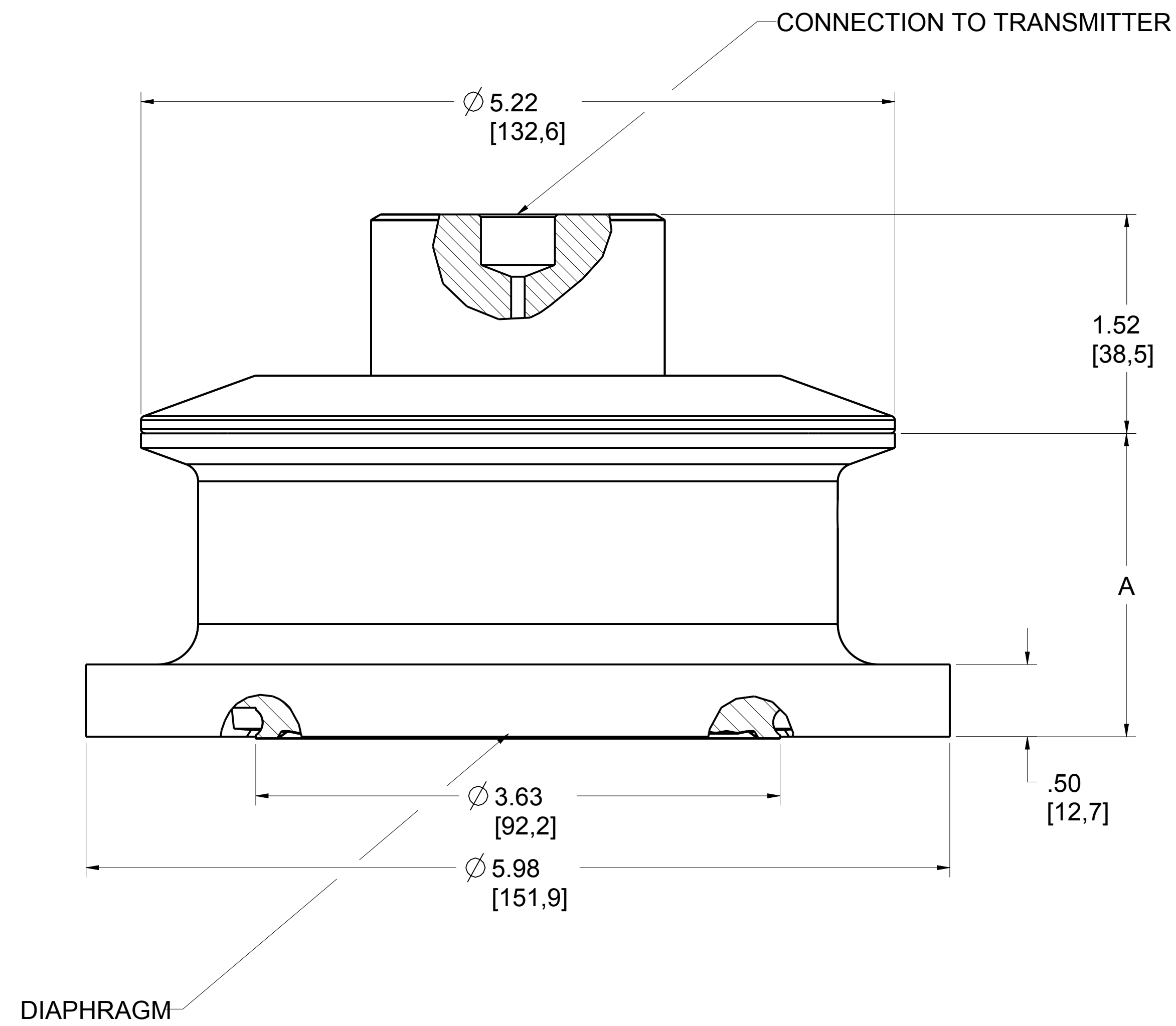
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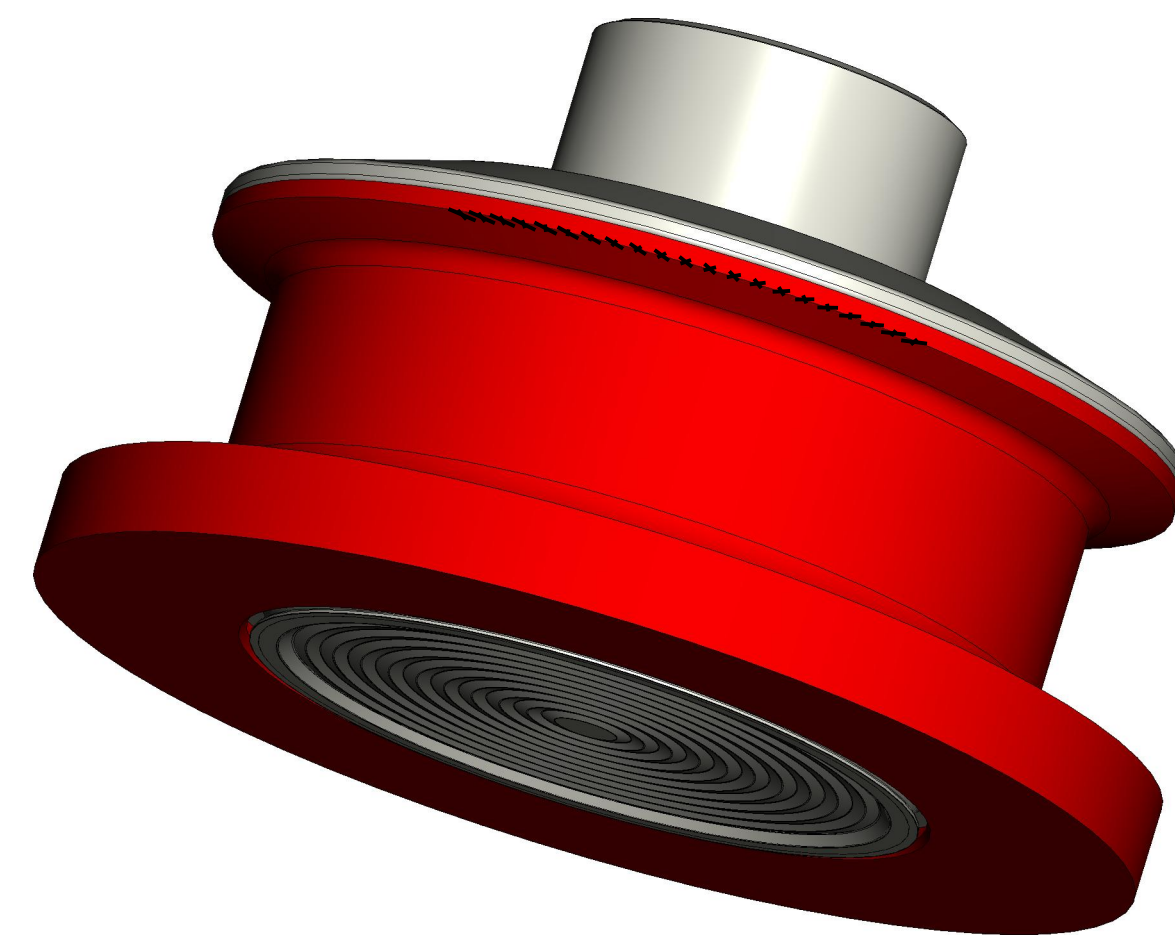
REV AD

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TANK SPUD (SS) SEAL



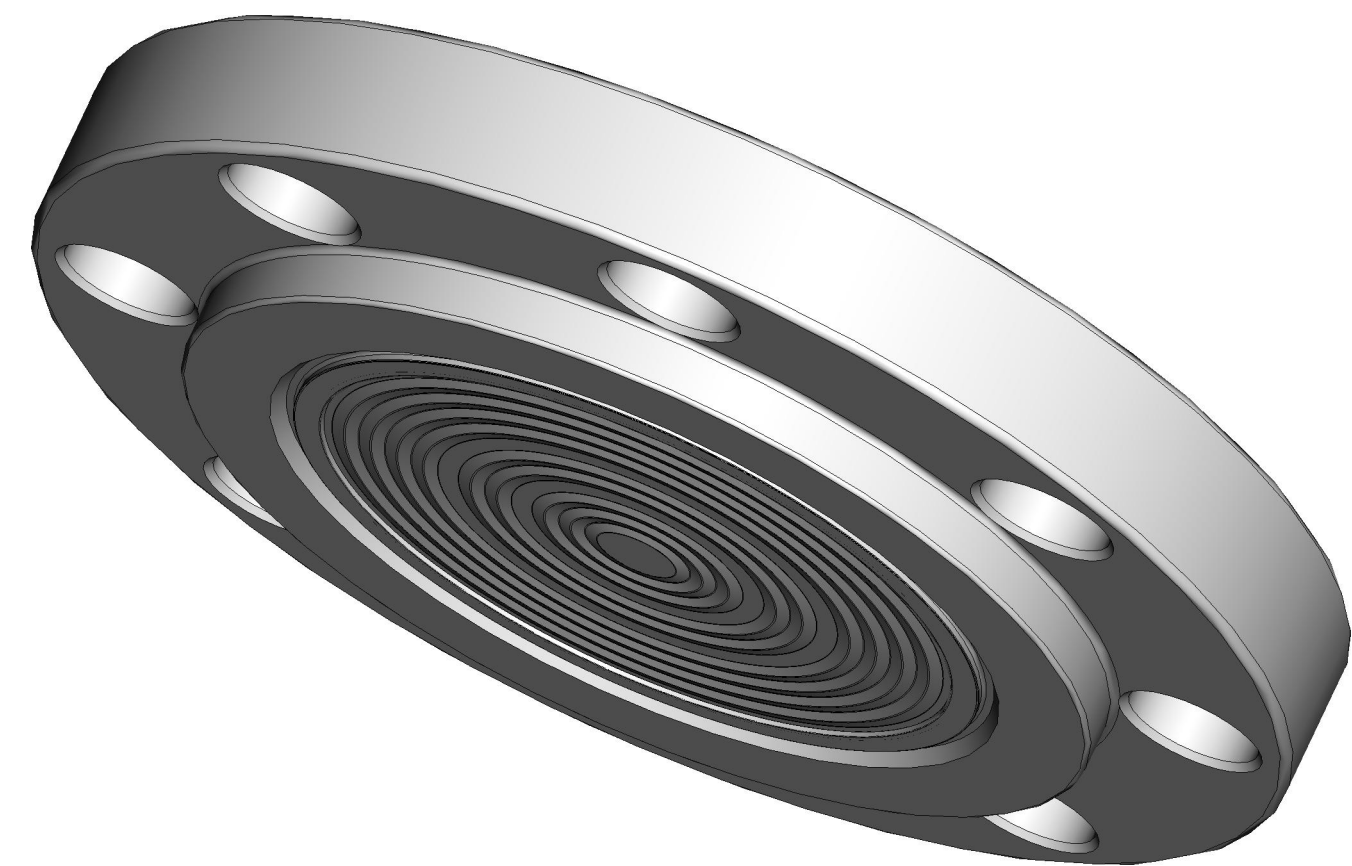
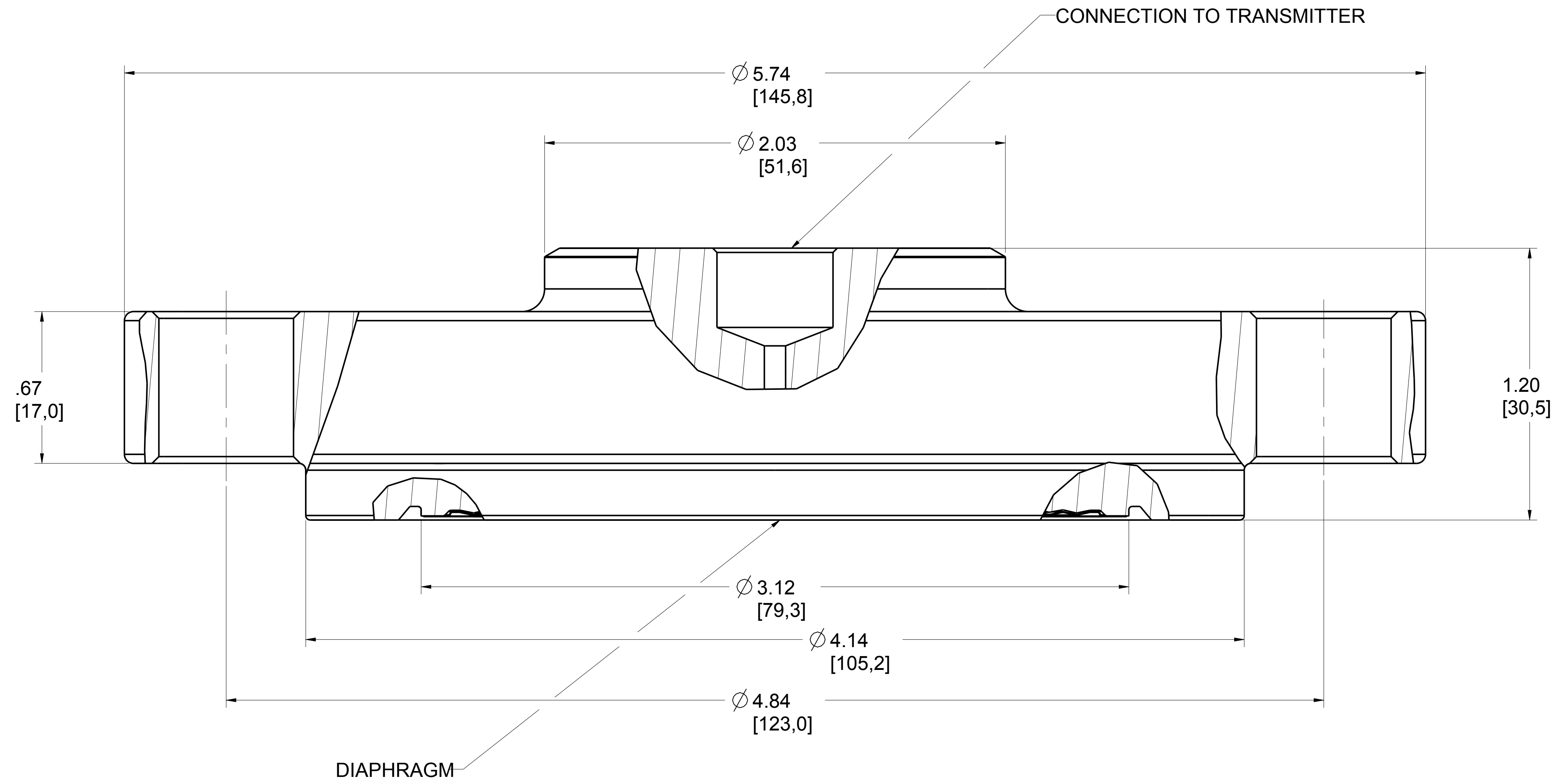
PIPE SIZE	EXTENSION LENGTH	"A"
4 INCH SCH. 5	2" LONG	2.10 (53)
	6" LONG	6.10 (155)



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		TITLE ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER				
		<small>DR.</small> JLA	<small>2/21/13</small>	<small>DRAWING NO.</small>	03151-7000	
<small>APP'D</small> P. FADELL	<small>3/10/15</small>	<small>CAD MAINTAINED, (PROE)</small>			<small>SHEET 18 OF 19</small>	

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DOW UNIVERSAL (AF) SEAL



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	<small>EMERSON Process Management</small> ROSEMOUNT®				
	<small>ROSEMOUNT 3051SAL LIQUID LEVEL PRESSURE TRANSMITTER</small>				
	<small>DR.</small> APPD	<small>JLA</small> P. FADELL	<small>2/21/13</small> 3/10/15	<small>DRAWING NO.</small> 03151-7000	
<small>CAD MAINTAINED, (PROE)</small>			<small>DOC TYPE</small> D	<small>SHEET 19 OF 19</small>	

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