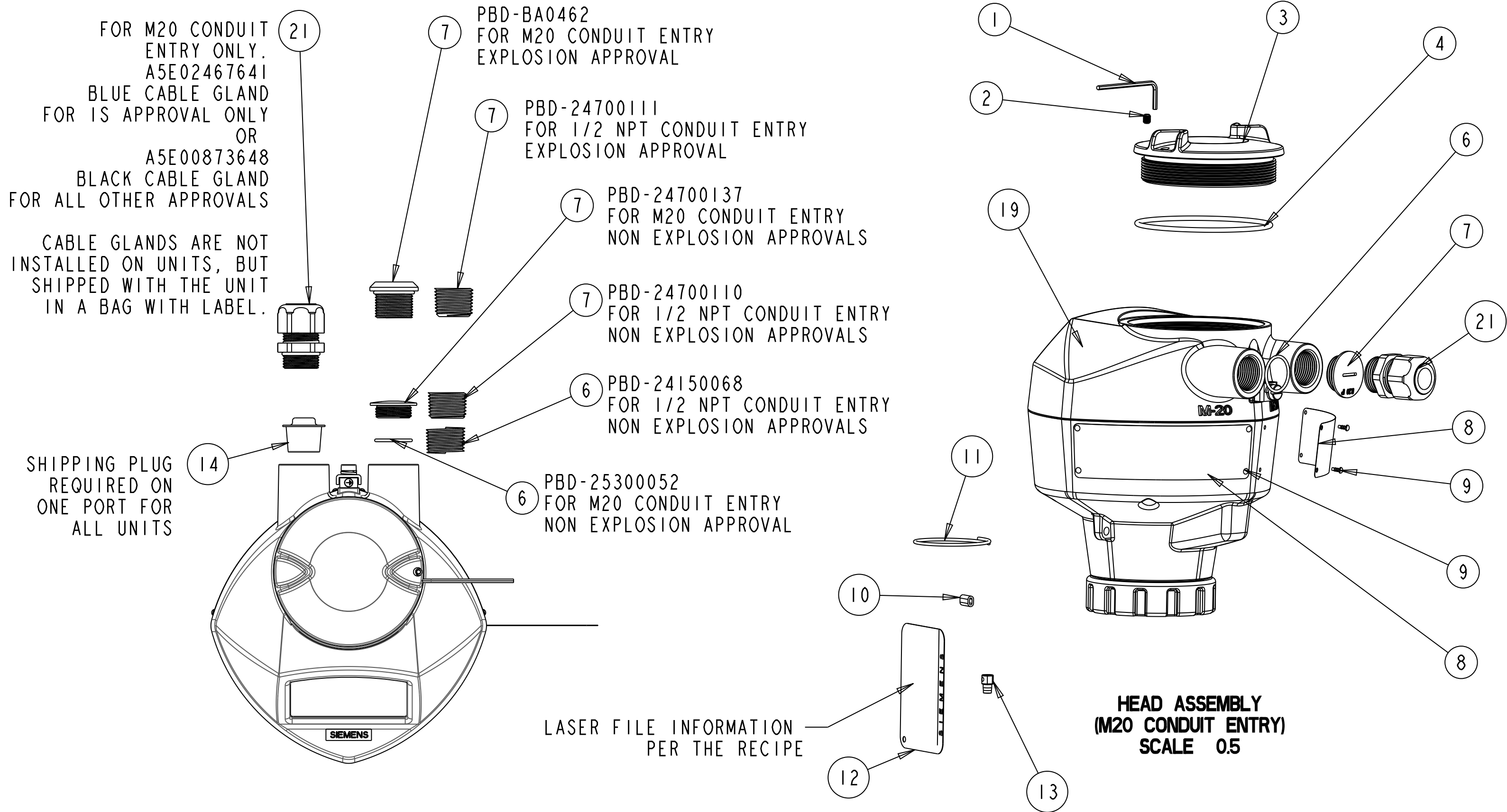
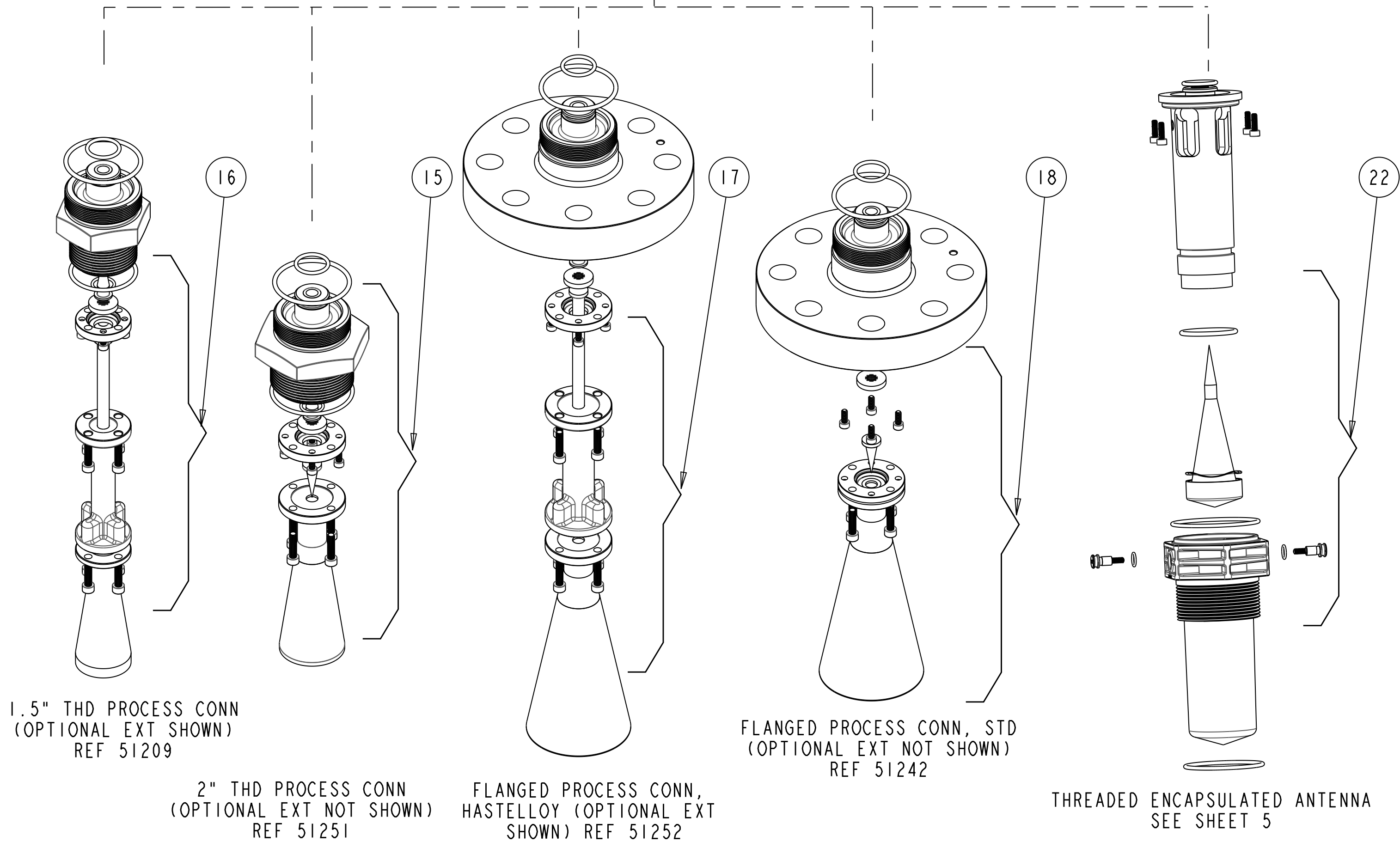




HEAD ASSEMBLY
A5E00978297 - FAMILY 51119



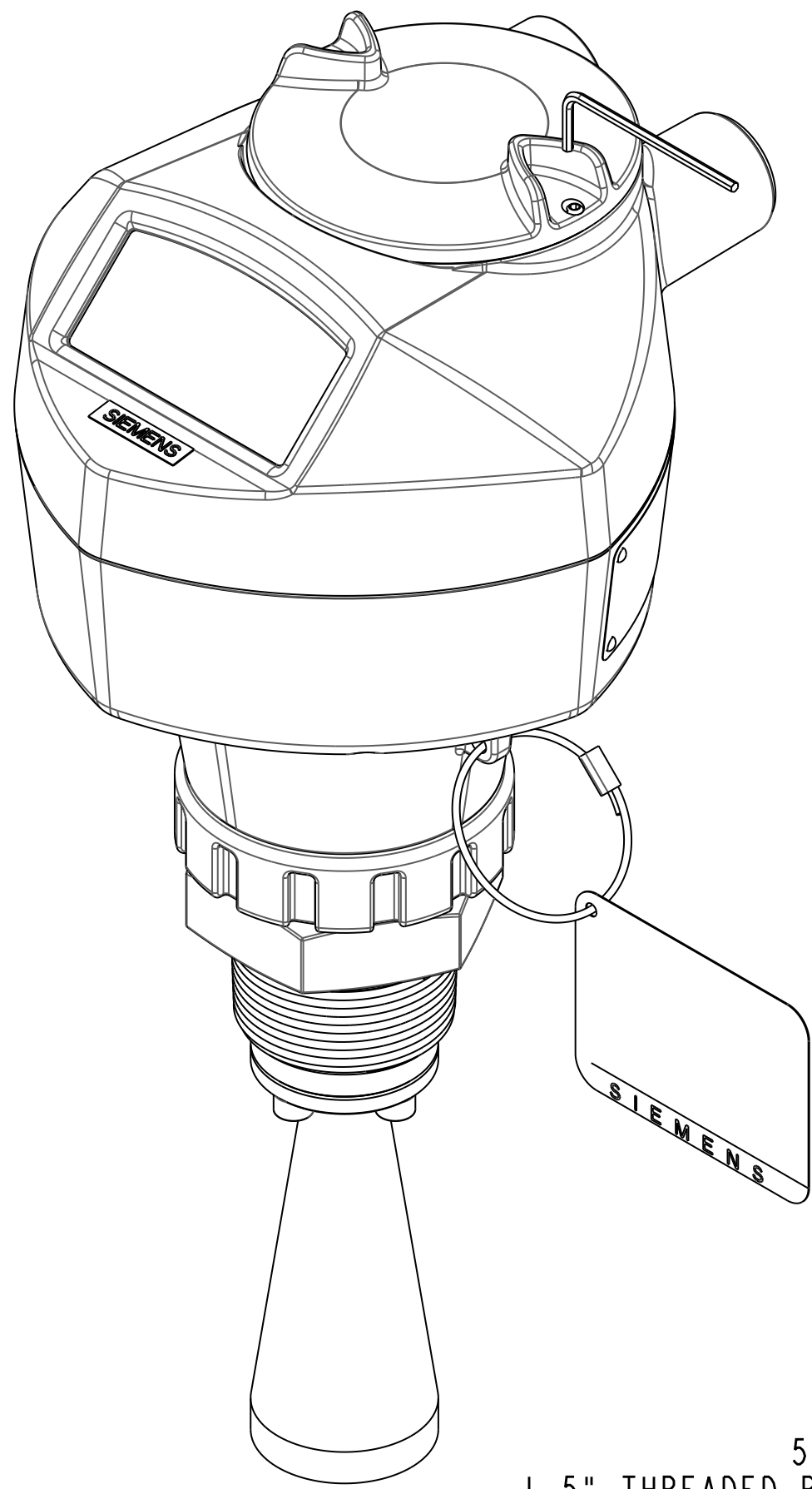
REFERENCE BILL OF MATERIAL

ITEM	PART NUMBER	DESCRIPTION	COMMON PARTS LIST A5E00998626	OTHER OPTIONAL PARTS	NOTE
1	PBD-23310285	ALLEN KEY, 2MM	1		
2	PBD-32901047	SCREW, SET, M4X5 MM, HEX RECESS, SS	1		
3	PBD-22100486	LID, ALUMINUM, M75X1,5, PAINTED	1		
4	PBD-25300442	O-RING 70 X 2.5 MM, BUNA-N	1		
5	PBD-00050121	GREASE, SYNTHETIC W/ TEFLON, 3 OZ TUBE	0.01		TO BE APPLIED ON ITEM 3,4, AND ALL ORINGS ON ITEM 14, 15, 16, 17 THAT SEAL BETWEEN HEAD ASSEMBLY AND PROCESS CONNECTION. PART NOT SHOWN.
6	PBD-25300052	O-RING, 18 ID X 1.5 MM, BUNA-N		1	USED WITH ITEM 7 PBD-24700137 FOR M20 CONDUIT ENTRY NON EXPLOSION APPROVAL
	PBD-24150068	TAPE, TEFLON 1/2 X 480 IN		0.006	USED WITH ITEM 7 PBD-24700110 FOR 1/2NPT CONDUIT ENTRY NON EXPLOSION APPROVAL
7	PBD-24700137	PLUG, THD M20, BLACK PLASTIC		1	USED WITH ITEM 6 PBD-25300052 FOR M20 CONDUIT ENTRY NON EXPLOSION APPROVAL
	PBD-24700110	PLUG, HD POLY, 1/2 NPT, SKT DRIVE		1	USED WITH ITEM 6 PBD-24150068 FOR 1/2NPT CONDUIT ENTRY NON EXPLOSION APPROVAL
	PBD-24700111	PLUG, 1/2" NPT, SKT DRIVE, BRASS		1	USED FOR 1/2NPT CONDUIT ENTRY, EXPLOSION APPROVAL
	PBD-BA0462	BLIND PLUG M20 BRASS		1	USED FOR M20 CONDUIT ENTRY, EXPLOSION APPROVAL
8	PBD-24251309	NAMEPLATE, LR200, SS, SIEMENS	2		
9	PBD-32900003	SCREW, DRIVE, #2 X 1/8, SS	8		
10	PBD-12300026	CLAMP, TAG, CRIMP, 1/16, 304SS	1		
11	PBD-23311354	RING, TAG, 50 MM DIA, SS	1		
12	PBD-24200030	TAG, SS, 10/SITRANS RADAR, 2X 2.75, OPR	1		
13	A5E02328804	TAG EYELET STAINLESS STEEL		1	USED ON FLANGED VERSIONS ONLY
14	PBD-24700120	PLUG, PE, 1/2 NPT CTR-TAB PULL, ORANGE		1	
15	PBD-51251	EXT HORN ASSY, 2" THD VER, LR250		1	ONE OF ITEMS 14, 15, 16, 17 PER ASSEMBLY
16	PBD-51209	1.5" THD PROCESS CONN ASSY, LR250		1	
17	PBD-51242	HORN ASSY, FLANGED VER AND EXT, LR250		1	
18	PBD-51252	EXT HORN ASSY, FLNG VER AND EXT, LR250		1	
19	PBD-51119	SITRANS LR250 POTTED ALUM ENCL ASSY		1	FAMILY PBD-51119
20	PBD-14150125	LUBRICANT, LITHIUM, MOLYKOTE-DX	1.5 GRAMS		APPLIED ON THE AREA OF PROCESS CONNECTION (ITEM 14, 15, 16, 17) THAT CONNECTS TO HEAD ASSEMBLY ITEM 18. REFER TO EMP (MECHANICAL ASSEMBLY) FOR DETAILS.
21	A5E00873648	ASSY, BLACK PLASTIC EEx e CABLE GLAND		1	FOR ALL OTHER APPROVALS EXCEPT IS APPROVALS
	A5E02467641	ASSY, CABLE GLAND, BLUE PLASTIC, IP68, EEx e		1	FOR IS APPROVALS ONLY
22	SEE SHEET 5	THREADED ENCAPSULATED ANTENNA		1	THIS OPTION IS ASSEMBLED AT THE TOP LEVEL

NOTES:

1. REFER TO RECIPE (EXCEL DOCUMENT 7ML5431B) FOR INFORMATION OF NAMEPLATE ARTWORK, OPERATION TAG, PACKAGING, MANUAL (QUICK START) AND COMPLETE CONFIGURATION DETAILS.
2. COMMUNICATION OPTION 1 AND 3 CAN HAVE FOUNDATION FIELD BUS CONNECTORS. SEE MANUFACTURING RECIPE FOR MORE INFORMATION.

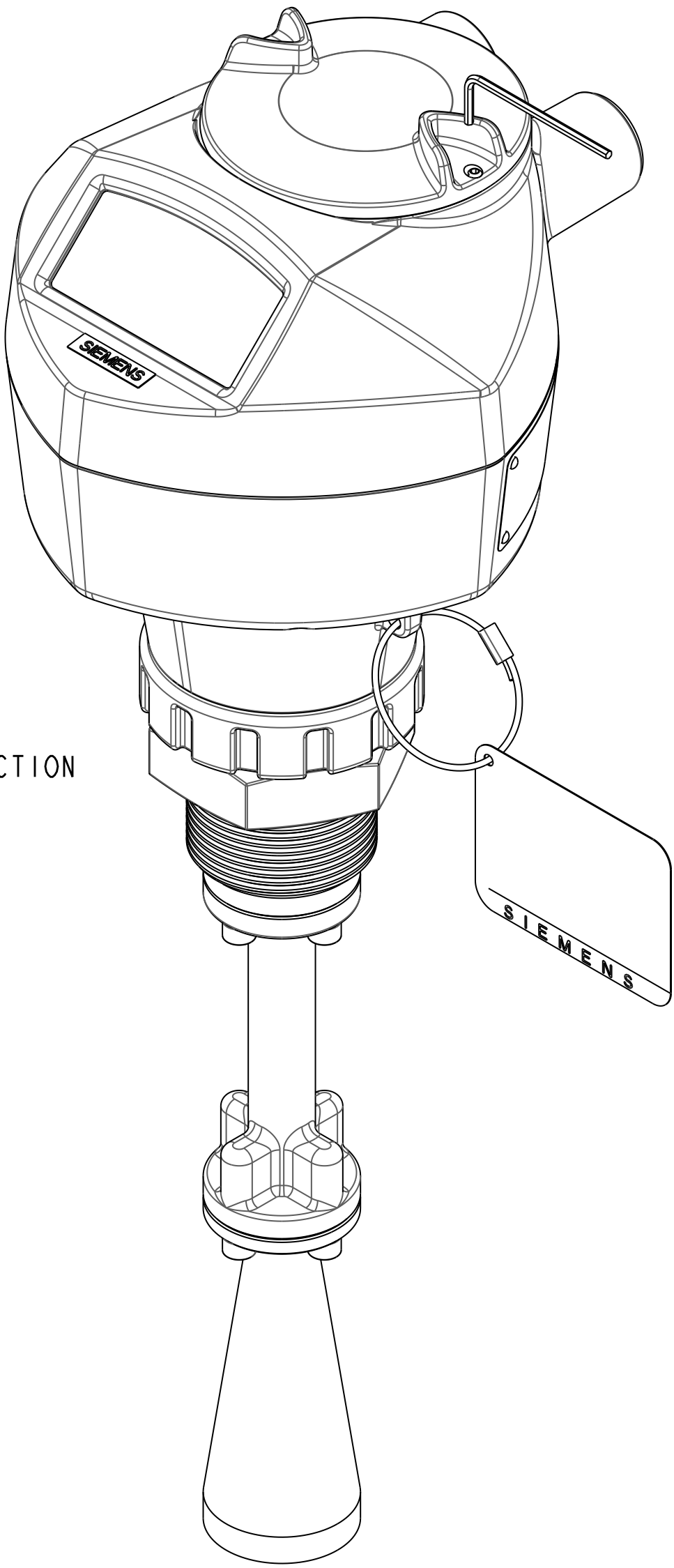
	13	PER ECO 79C88738	RD	MR	2011 JUL 13
	12	PER ECO 79C85235	TRC	JA	2011 JUN 03
	11	PER ECO 79C79066	TRC	JA	2011 APR 12
DIMENSIONS ARE IN MILLIMETERS	Rev	ECO/Description	Drw	Appr	Date
USE DIMENSIONS ONLY- DO NOT SCALE					
THIRD ANGLE PROJECTION	PRODUCT GROUP:	RADAR	TOLERANCES UOS	SCALE	SIZE
	DATE:	16 OCT 06	0 PLC DECIMAL ±0.8	1.0	D
	DRAWN:	KRAGLIN / BPS	1 PLC DECIMAL ±0.3		
	CHECKED:	TIM COUPLAND	2 PLC DECIMAL ±0.10		
	APPROVED:	JOHN MARETT	ANGLES ±0.5°		
	LOCATION:	PETERBOROUGH	TITLE	SITRANS LR250	
				25 GHZ PULSE RADAR	
				GENREAL ASSEMBLY	
SIEMENS CANADA LIMITED			DRAWING No	7ML5431	REV 13
SIEMENS MILLTRONICS					
PROCESS INSTRUMENTS					
PETERBOROUGH, ONTARIO CANADA	FILE No	7ML5431 13	PLOT AT 1:1	SHEET 1 OF 5	



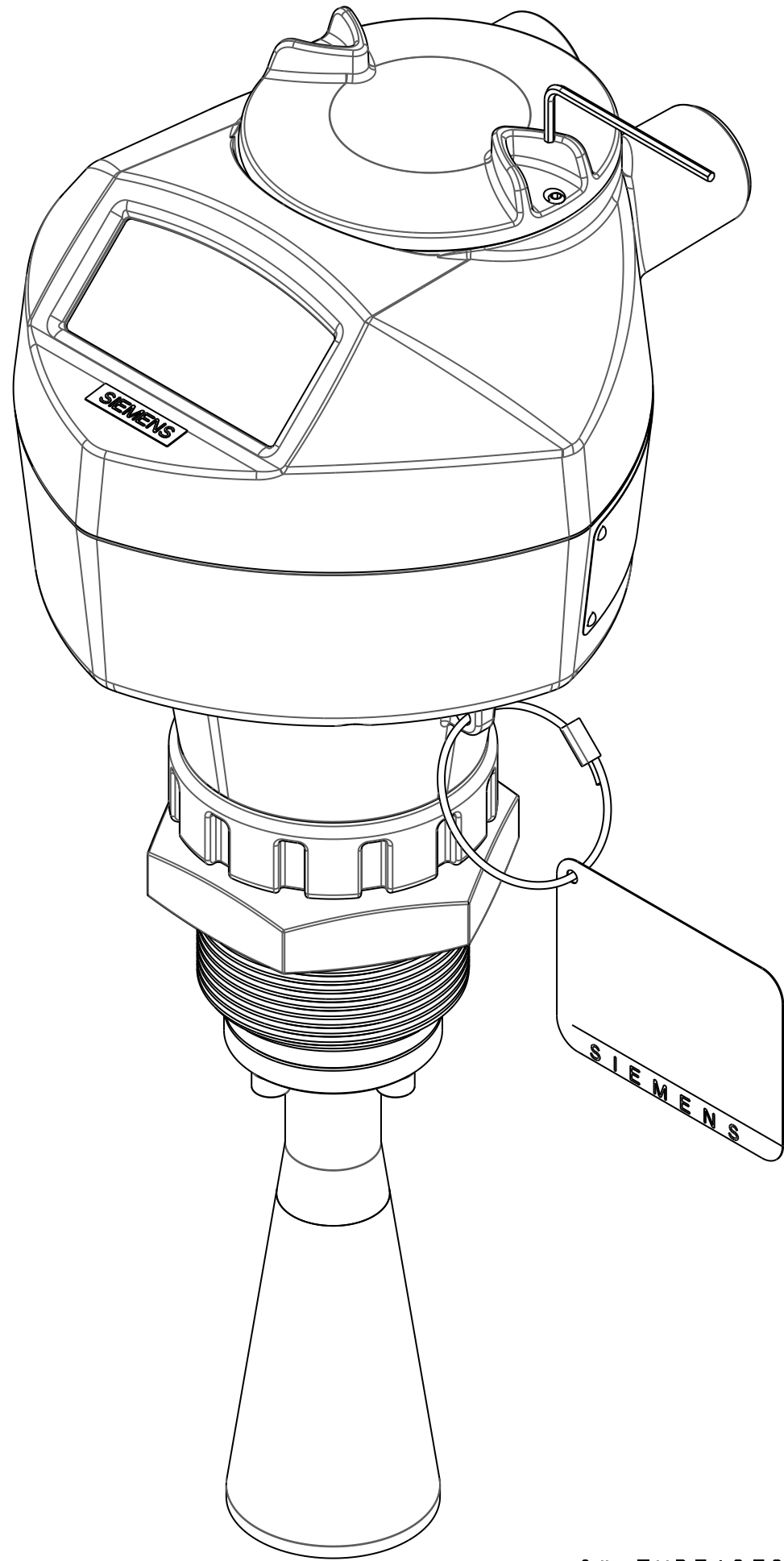
A5E00978297
POTTED ENCLOSURE
(TYPICAL ALL VERSIONS)

51209
1.5" THREADED PROCESS CONNECTION

LR250 TOP LEVEL ASSEMBLY
1.5" THREADED PROCESS CONNECTION



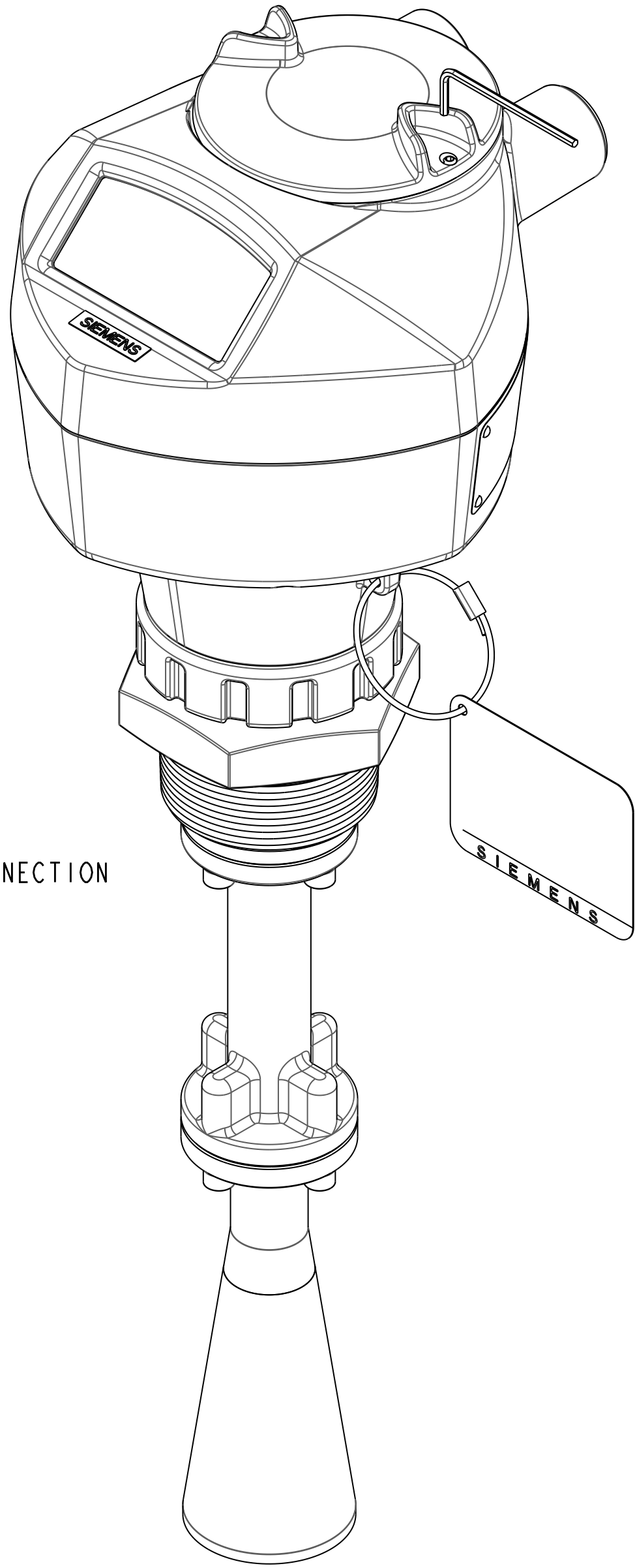
LR250 TOP LEVEL ASSEMBLY
1.5" THREADED PROCESS CONNECTION
WITH 100 MM EXTENSION



A5E00978297
POTTED ENCLOSURE
(TYPICAL ALL VERSIONS)

51251
2" THREADED PROCESS CONNECTION

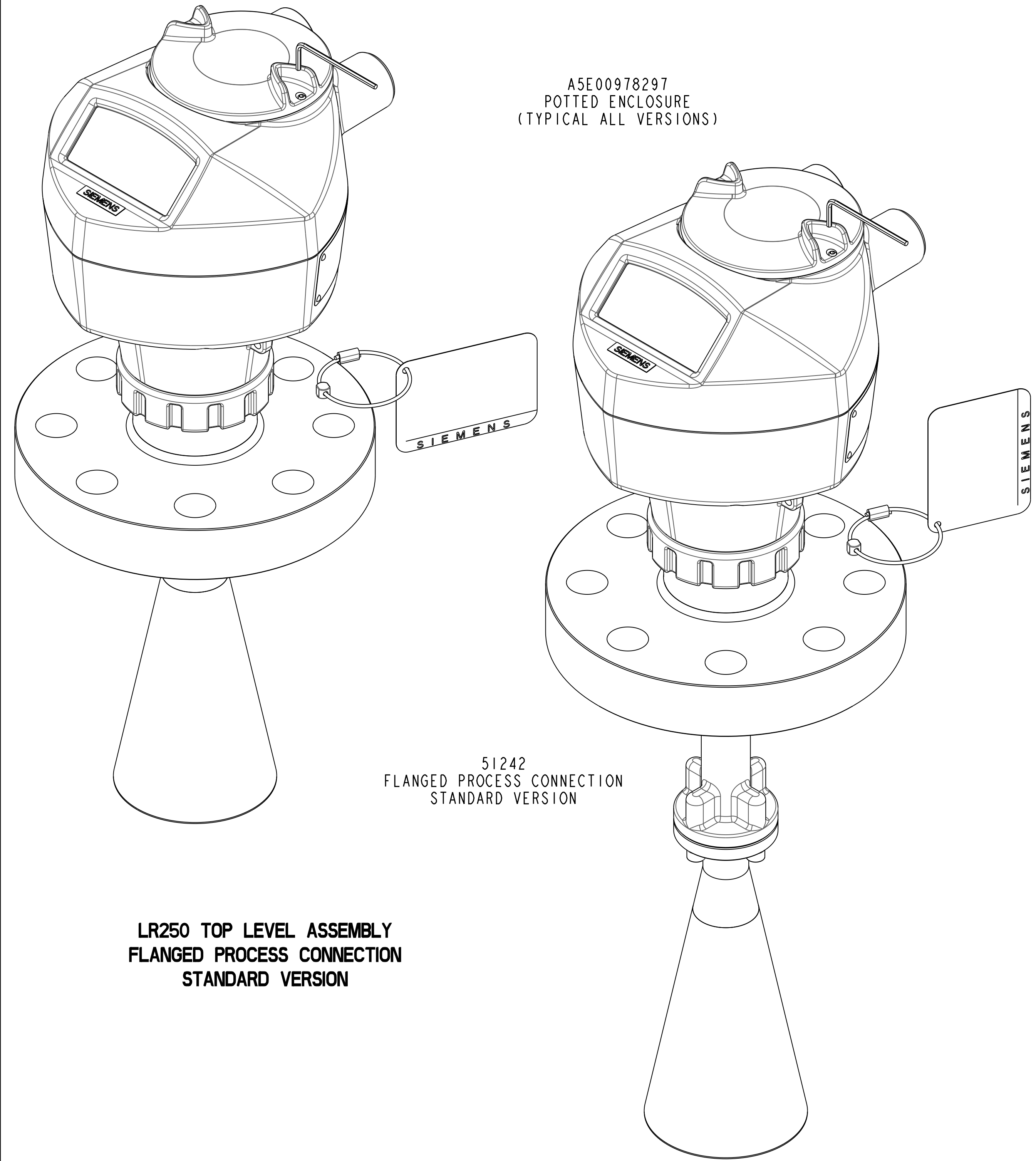
LR250 TOP LEVEL ASSEMBLY
2" THREADED PROCESS CONNECTION



LR250 TOP LEVEL ASSEMBLY
2" THREADED PROCESS CONNECTION
WITH 100 MM EXTENSION

DIMENSIONS ARE IN MILLIMETERS		XX	SEE SHEET ONE		XX	XX	XXXX XX/XX
USE DIMENSIONS ONLY- DO NOT SCALE		Rev	ECO/Description		Drw	Appr	Date
THIRD ANGLE PROJECTION 		PRODUCT GROUP: RADAR		TOLERANCES UOS		SCALE 1.0	SIZE D
DATE: 16 OCT 06		0 PLC DECIMAL ±0.8 1 PLC DECIMAL ±0.3 2 PLC DECIMAL ±0.10 ANGLES ±0.5°					
DRAWN: KRAGLIN / BPS		CHECKED: TIM COUPLAND		TITLE		25 GHZ PULSE RADAR GENREAL ASSEMBLY	REV
APPROVED: JOHN MARETT		LOCATION: PETERBOROUGH		DRAWING No			
FOR INTERNAL USE ONLY		7ML5431		13			
PETERBOROUGH, ONTARIO CANADA		FILE No 7ML5431 13		PLOT AT 1:1		SHEET 2 OF 5	

A I B I C I D I E I F I G I H I I I J I K I L I M I N I O I P I Q I R I S I T I U I

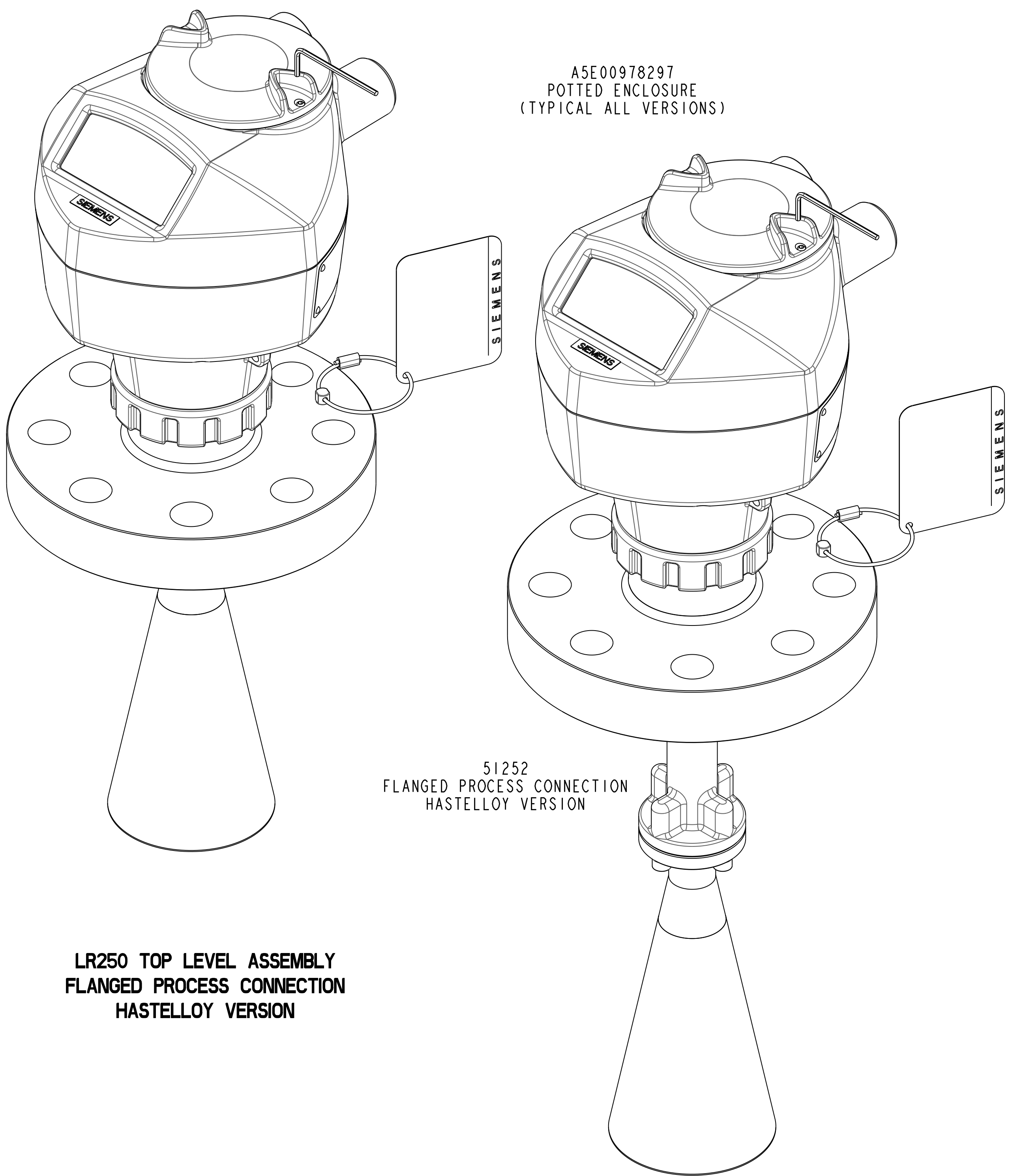


A5E00978297
POTTED ENCLOSURE
(TYPICAL ALL VERSIONS)

51242
FLANGED PROCESS CONNECTION
STANDARD VERSION

LR250 TOP LEVEL ASSEMBLY
FLANGED PROCESS CONNECTION
STANDARD VERSION

LR250 TOP LEVEL ASSEMBLY
FLANGED PROCESS CONNECTION
STANDARD VERSION WITH 100 MM EXTENSION

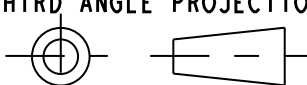


A5E00978297
POTTED ENCLOSURE
(TYPICAL ALL VERSIONS)

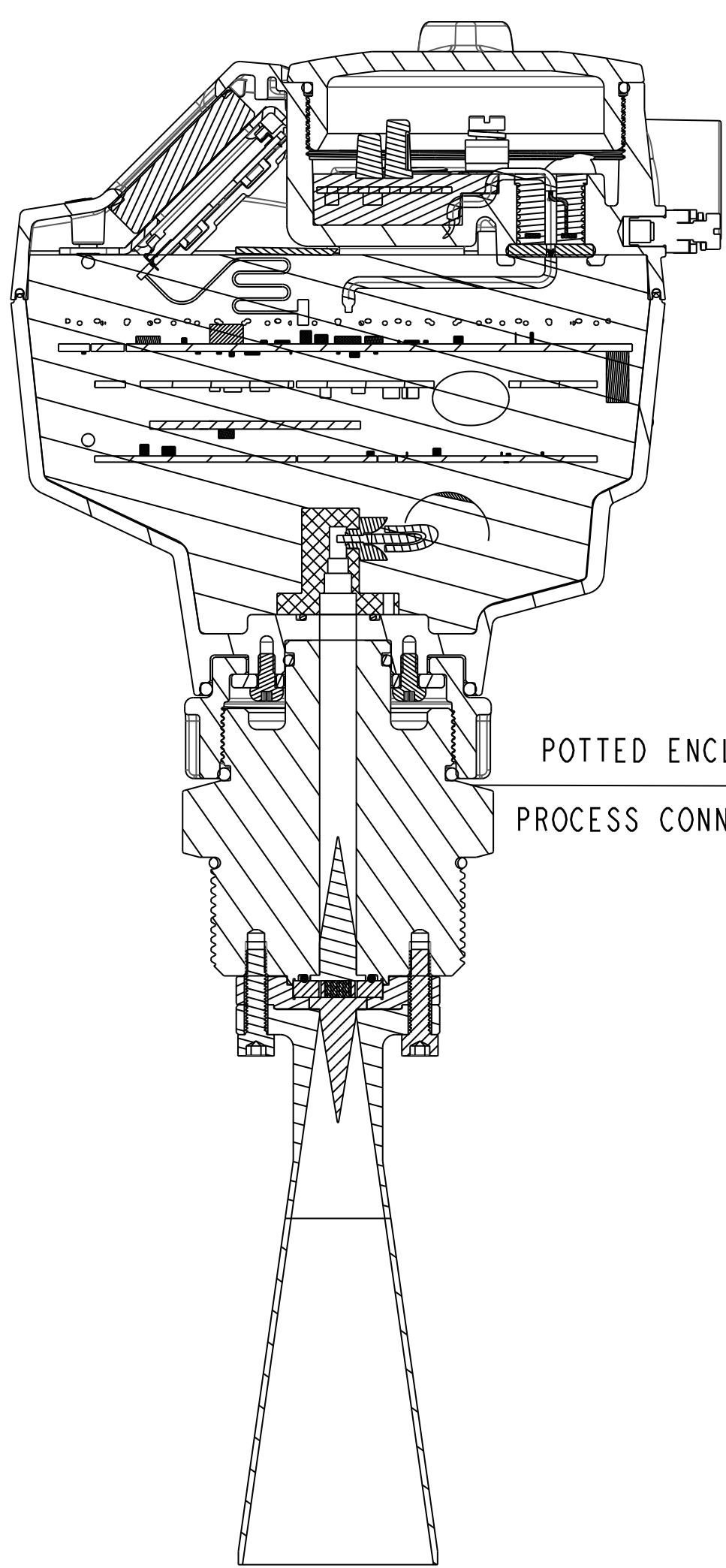
51252
FLANGED PROCESS CONNECTION
HASTELLOY VERSION

LR250 TOP LEVEL ASSEMBLY
FLANGED PROCESS CONNECTION
HASTELLOY VERSION

LR250 TOP LEVEL ASSEMBLY
FLANGED PROCESS CONNECTION
HASTELLOY VERSION WITH 100 MM EXTENSION

DIMENSIONS ARE IN MILLIMETERS		XX	SEE SHEET ONE		XX	XX	XXXX XX/XX
USE DIMENSIONS ONLY- DO NOT SCALE		Rev	ECO/Description		Drw	Appr	Date
THIRD ANGLE PROJECTION 		PRODUCT GROUP: RADAR		TOLERANCES UOS		SCALE	SIZE
		DATE: 16 OCT 06		0 PLC DECIMAL ±0.8 1 PLC DECIMAL ±0.3 2 PLC DECIMAL ±0.10 ANGLES ±0.5°		1.0	D
		DRAWN: KRAGLIN / BPS					
SIEMENS CANADA LIMITED SIEMENS MILLTRONICS PROCESS INSTRUMENTS PETERBOROUGH, ONTARIO CANADA		CHECKED: TIM COUPLAND		TITLE SITRANS LR250			
		APPROVED: JOHN MARETT		25 GHZ PULSE RADAR			
		LOCATION: PETERBOROUGH		GENREAL ASSEMBLY			
		FOR INTERNAL USE ONLY		DRAWING No			REV
		File No 7ML5431 13		7ML5431			13
				PLOT AT 1:1		SHEET 3 OF 5	

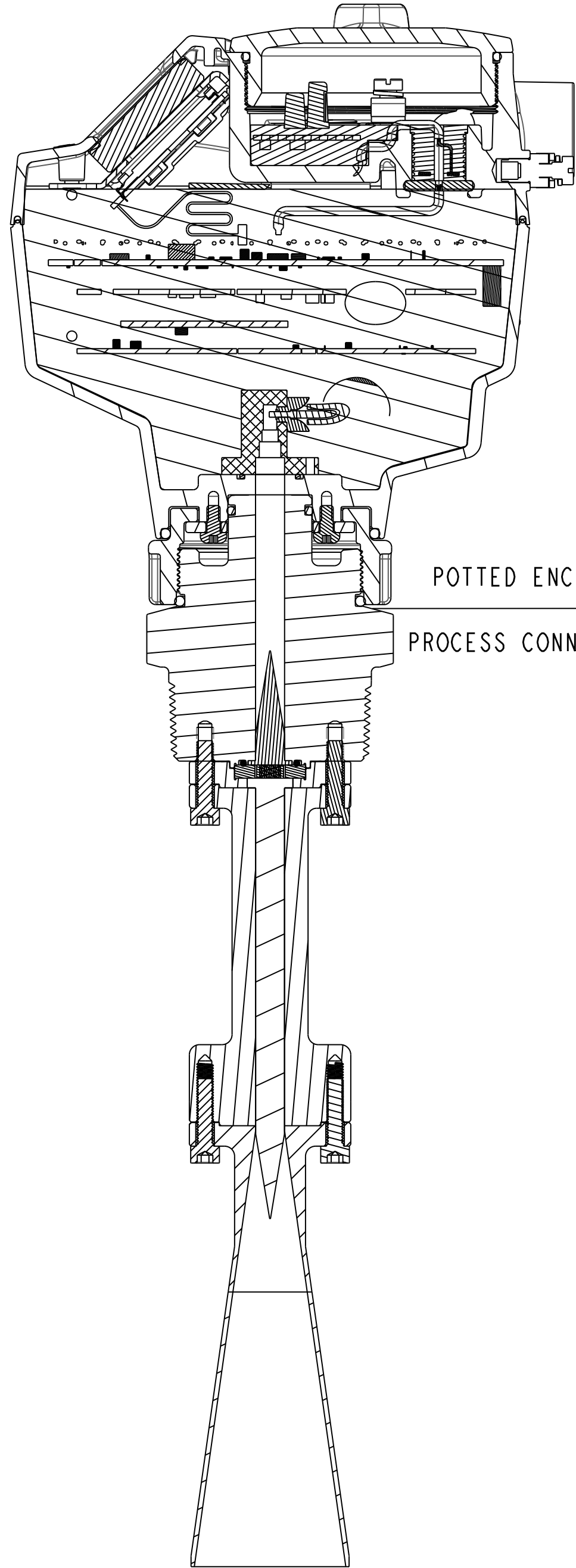
A I B I C I D I E I F I G I H I I I J I K I L I M I N I O I P I Q I R I S I T I U



POTTED ENCLOSURE

PROCESS CONNECTION

SECTION A-A

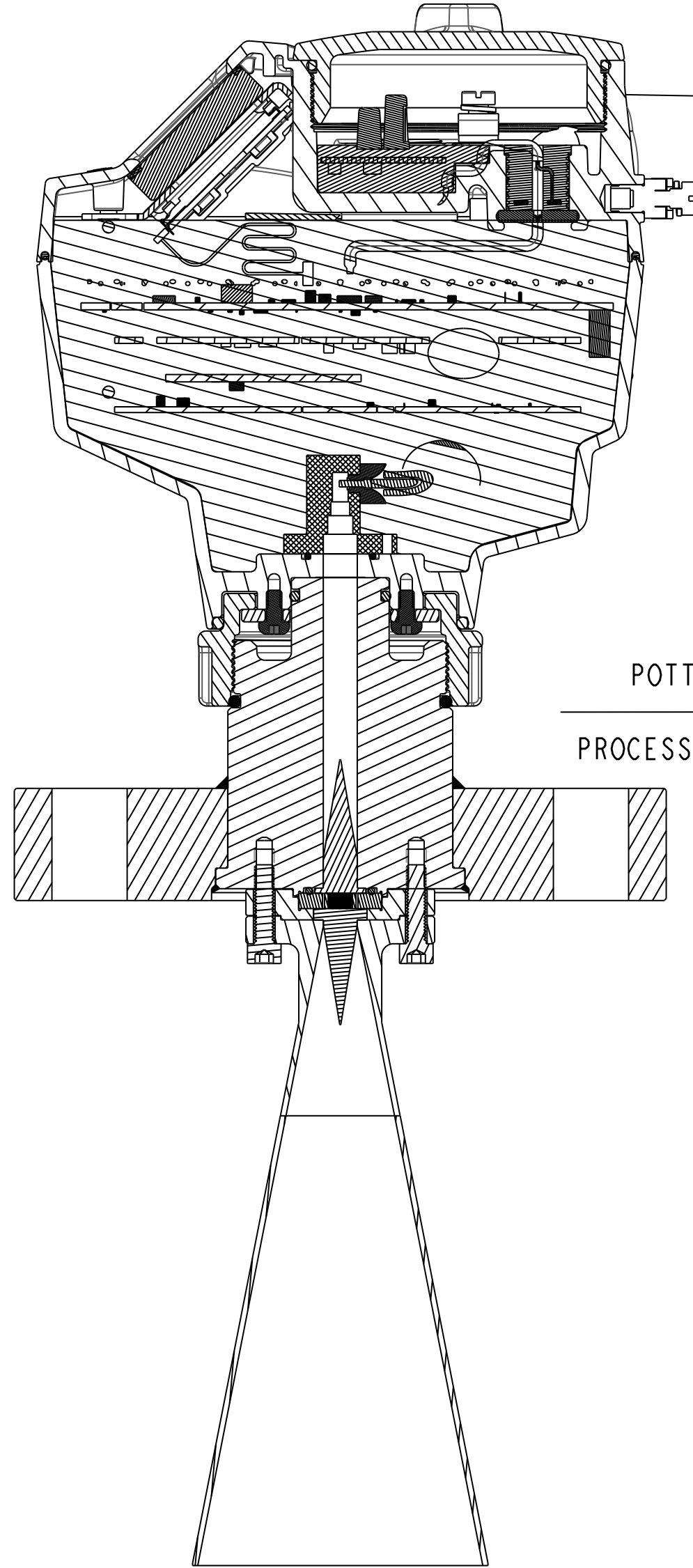


POTTED ENCLOSURE

PROCESS CONNECTION

SECTION A-A

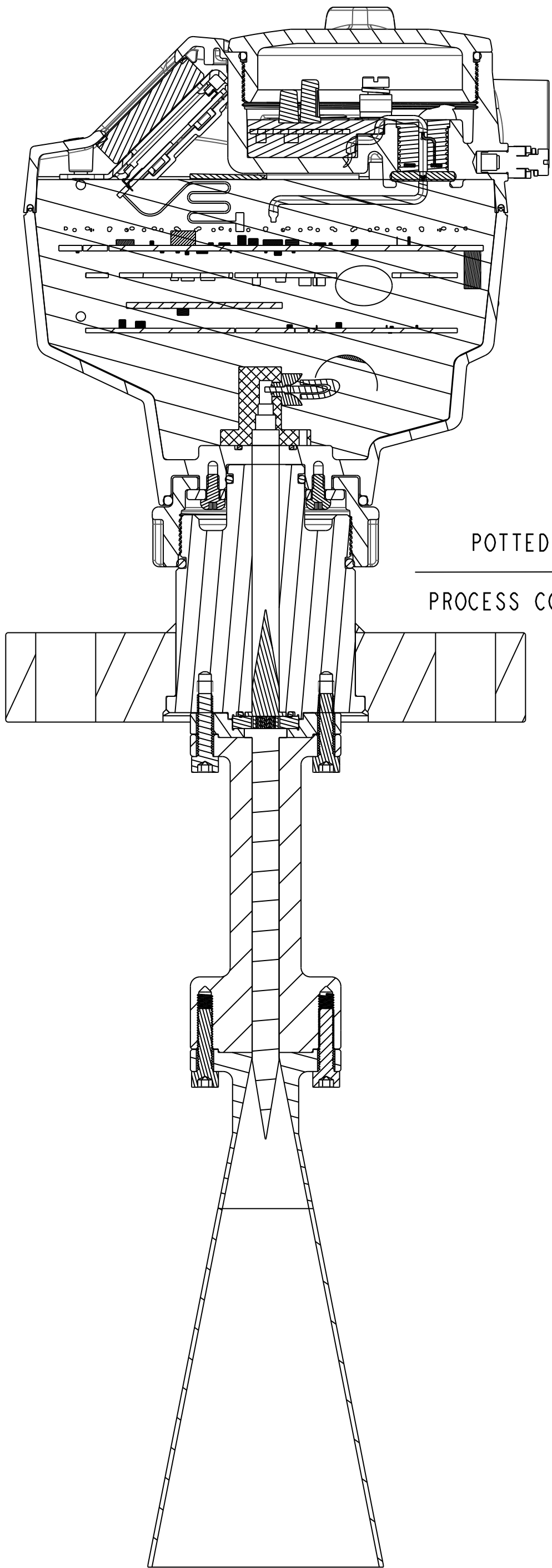
SECTIONAL VIEWS OF THREADED
PROCESS CONNECTIONS
(2.5" SHOWN - 1.5" TYPICAL)



POTTED ENCLOSURE

PROCESS CONNECTION

SECTION A-A

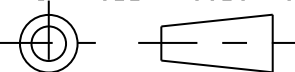


POTTED ENCLOSURE

PROCESS CONNECTION

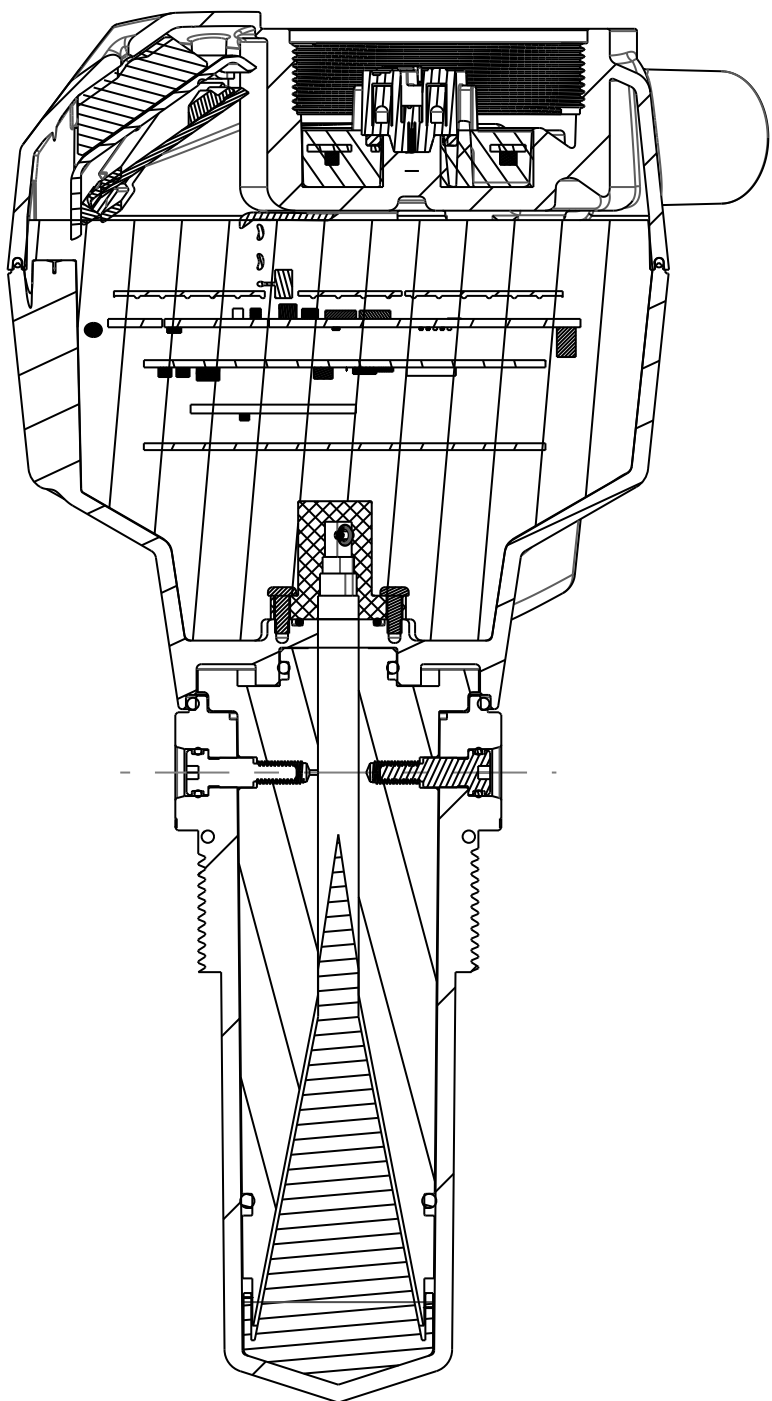
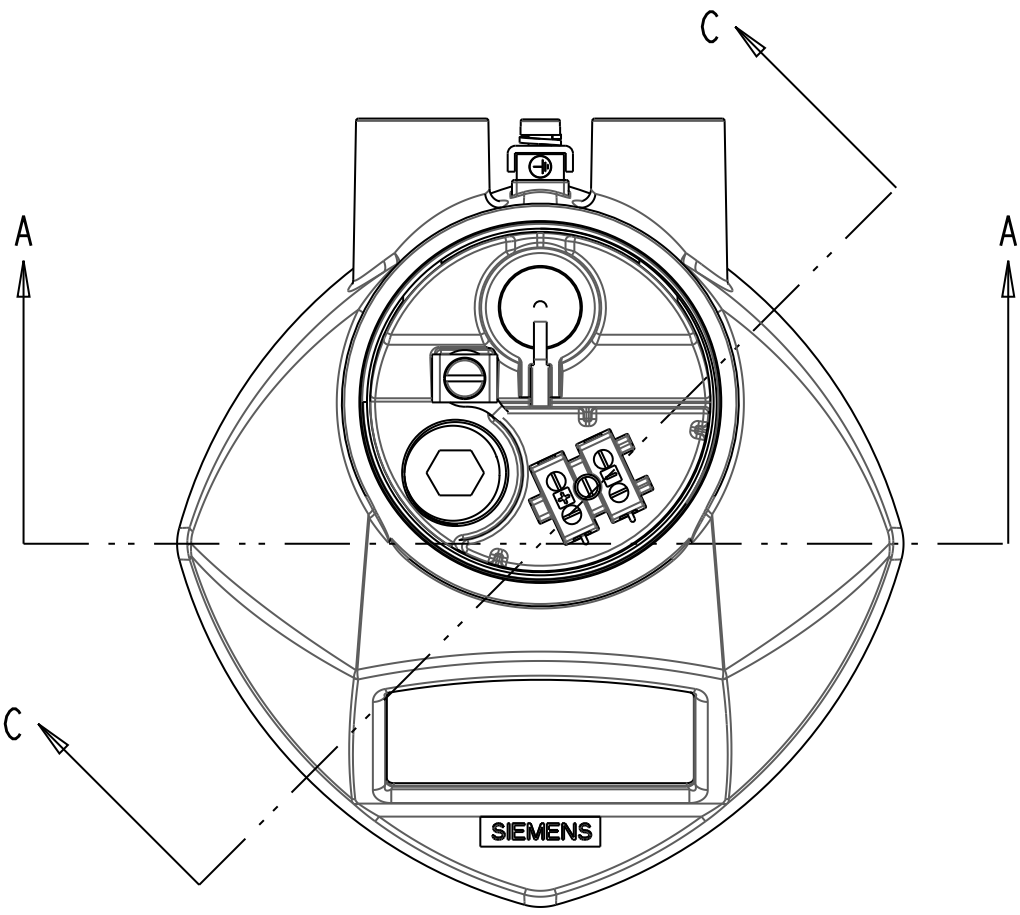
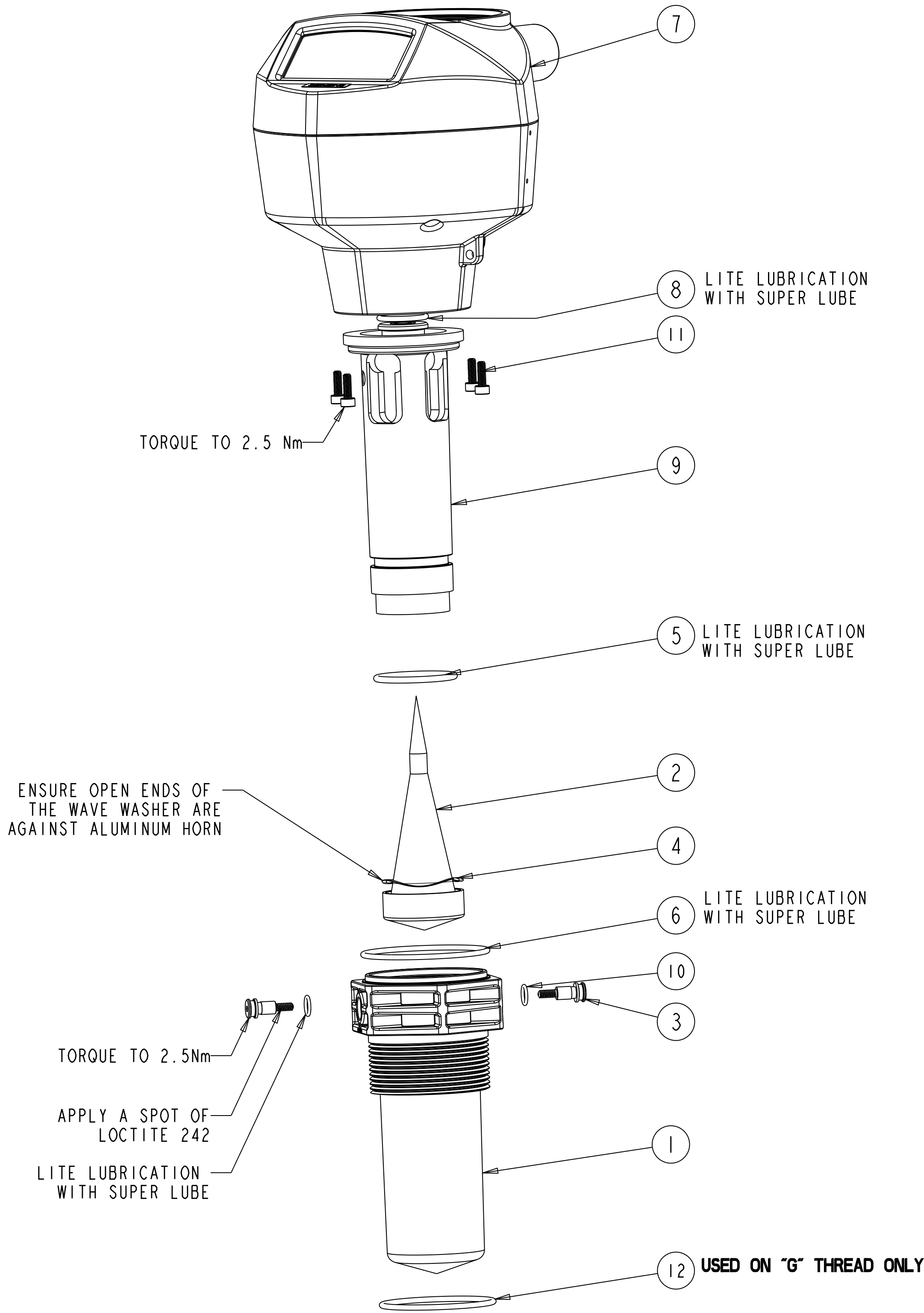
SECTION A-A

SECTIONAL VIEWS OF FLANGED
PROCESS CONNECTIONS

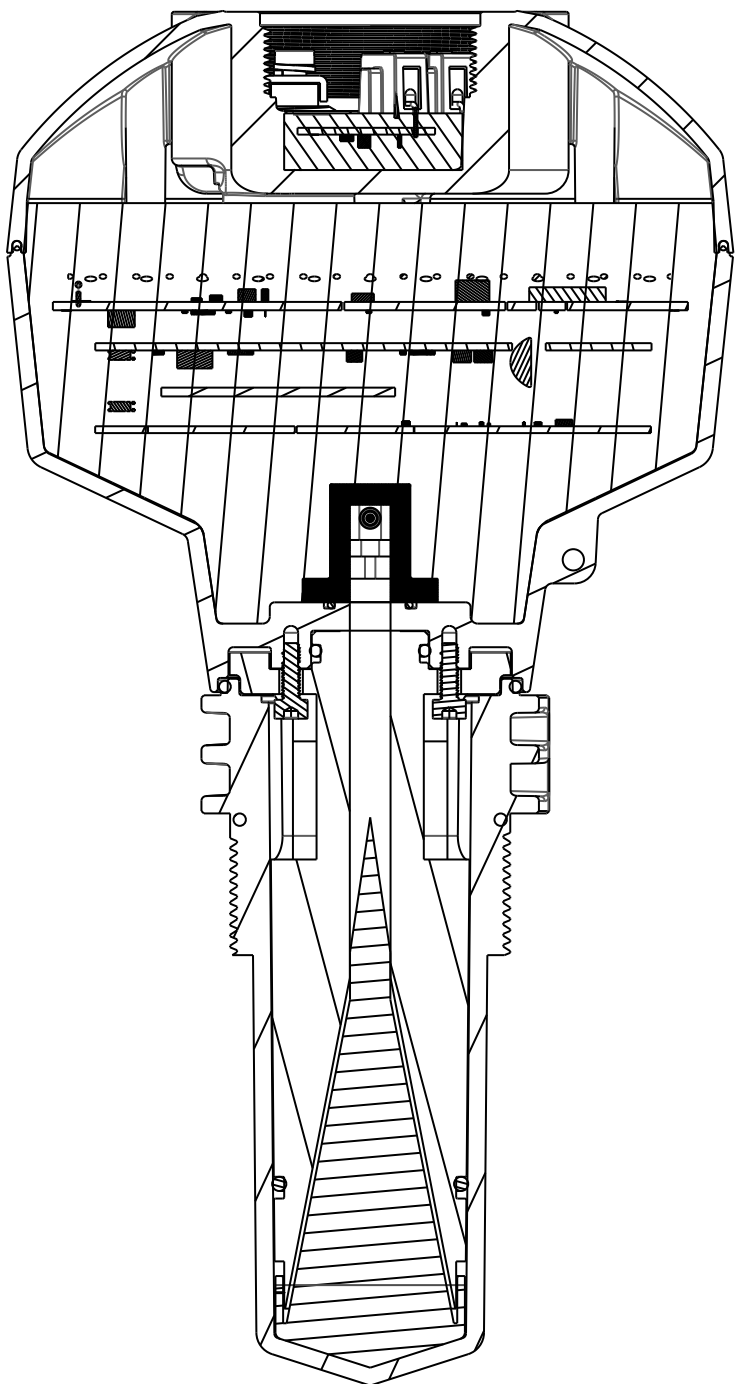
DIMENSIONS ARE IN MILLIMETERS		XX	SEE SHEET ONE		XX	XX	XXXX XX/XX
USE DIMENSIONS ONLY- DO NOT SCALE		Rev	ECO/Description		Drw	Appr	Date
THIRD ANGLE PROJECTION 		PRODUCT GROUP: RADAR		TOLERANCES UOS 0 PLC DECIMAL ±0.8 1 PLC DECIMAL ±0.3 2 PLC DECIMAL ±0.10 ANGLES ±0.5°		SCALE 1.0	SIZE D
DATE: 16 OCT 06		DRAWN: KRAGLIN / BPS		TITLE SITRANS LR250 25 GHZ PULSE RADAR GENREAL ASSEMBLY			
CHECKED: TIM COUPLAND		APPROVED: JOHN MARETT		DRAWING No		REV	
LOCATION: PETERBOROUGH		FOR INTERNAL USE ONLY		7ML5431		13	
FILE No 7ML5431 13		PLOT AT 1:1		SHEET 4 OF 5			

BILL OF MATERIAL

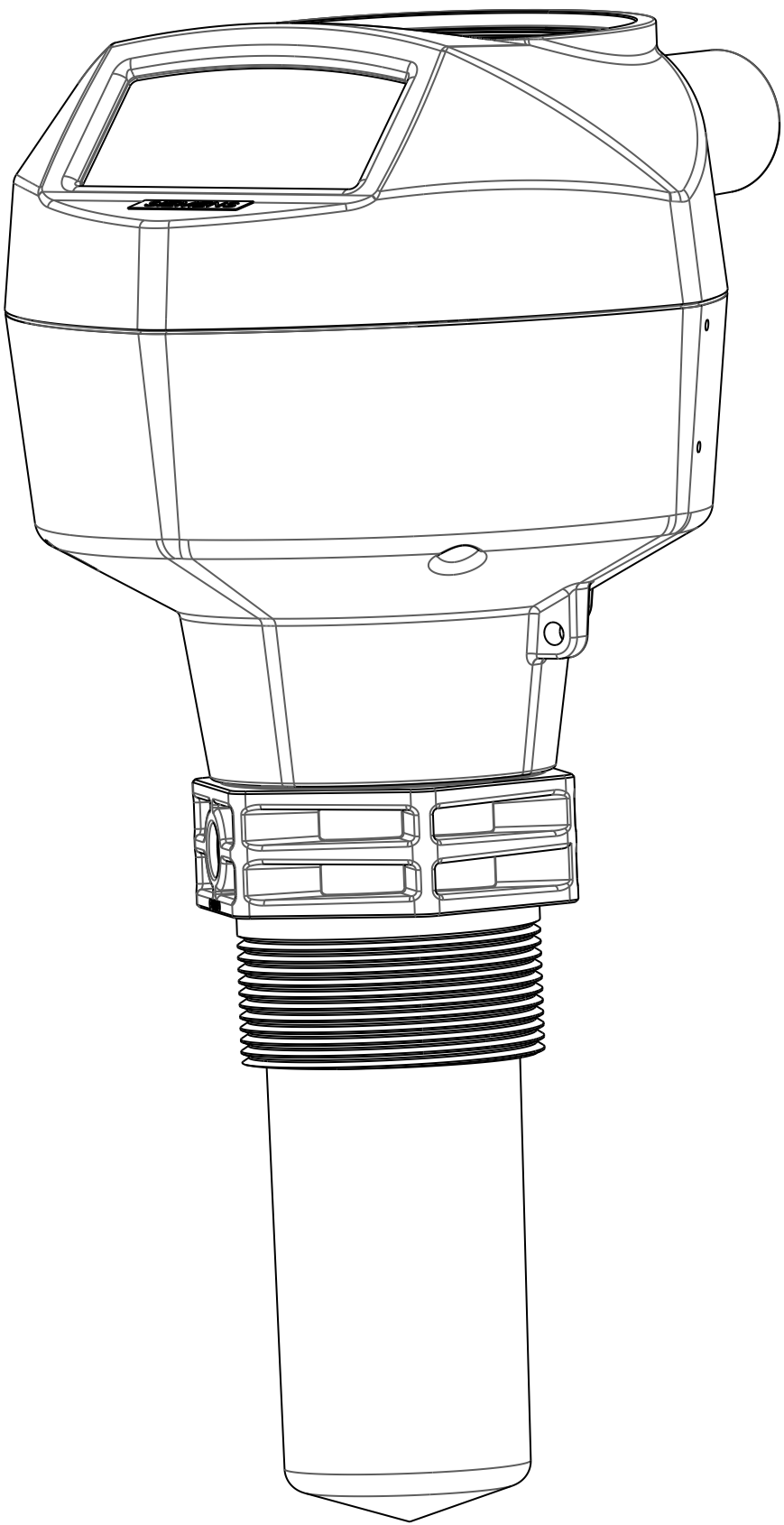
ITEM	DESIGN PART NUMBER	DESCRIPTION	QTY
1	PBD-25786-XX	2" THREAD CONNECTION, PVDF	1
2	A5E02794467	POLYPROPYLENE EMITTER	1
3	A5E02798952	SHOULDER SCREW 1/4 x 0.375	2
4	A5E30229491	SPRING WASHER	1
5	A5E02825250	O-RING 35.5 x 3.0mm, FKM	1
6	A5E02825257	O-RING 59.0 x 2.5mm, FKM	1
7	PBD-51119-XXX	ELECTRONICS & HOUSING ASS'Y M20 POTTED LR250 HART	1
8	PBD-25300467	O-RING	1
9	A5E02794476	HORN ANTENNA	1
10	A5E02827042	O-RING 7.5 x 1.5	2
11	A5E03265176	M4 X 12MM SCREW	4
12	PBD-25300478	#139 O-RING - "G" THREAD ONLY	1
13	PBD-00050057	LOCTITE 242	0.001
PARTS TO BE REMOVED OFF OF THE 5119 ASSEMBLY			
	PBD-32850167	RETAINING NUT	1
	PBD-32950379	RETAINING PLATE	1
	SN60730-M4x8	SCREW, M4x8	4
	PBD-25300465	O-RING	1

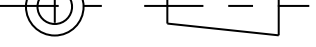


SECTION C-C
SCALE 0.625



SECTION A-A
SCALE 0.625



DIMENSIONS ARE IN MILLIMETERS		XX	SEE SHEET ONE		XX	XX	XXXX XX/XX
USE DIMENSIONS ONLY- DO NOT SCALE		Rev	ECO/Description		Drw	Appr	Date
THIRD ANGLE PROJECTION 		PRODUCT GROUP: RADAR		TOLERANCES UOS		SCALE	SIZE
DATE: 16 OCT 06		1 P L C D E C I M A L ± 0 . 8		0.8		D	
DRAWN: KRAGLIN / BPS		1 P L C D E C I M A L ± 0 . 3		0.3			
		2 P L C D E C I M A L ± 0 . 1 0		0.10			
		A N G L E S ± 0 . 5 °		0.5°			
CHECKED: TIM COUPLAND		TITLE		SITRANS LR250			
APPROVED: JOHN MARETT				25 GHZ PULSE RADAR			
LOCATION: PETERBOROUGH				GENREAL ASSEMBLY			
FOR INTERNAL USE ONLY		DRAWING No		7ML5431		REV	
FILE No 7ML5431 13				PLOT AT 1:1		SHEET 5 OF 5	
SIEMENS CANADA LIMITED							
SIEMENS MILLTRONICS							
PROCESS INSTRUMENTS							
PETERBOROUGH, ONTARIO CANADA							