

Ex

PARTS	
ITEM	DESCRIPTION
1	STD BODY
2	RF LL BODY
3	RF LL FO BODY
4	ADAPTOR FLANGE
5	UNARMoured GLAND
6	ARMoured GLAND
7	INSULATED END COVER
8	PHASE CONNECTORS & PILOT

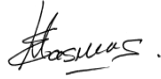
Ex



Document Number:

MASC M/24-2113X

Technical Specialist:



M. Erasmus

Date: 08/08/2024

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A.CASTLE

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C.TAYLOR

SIZE

A3

DRAWING NUMBER

Ex124B_C000

PRODUCT NAME

12kV 400AMP COUPLER & ADAPTOR SYSTEM
CUSTOMER COPY

1

20/04/2023

AC

REVISION NUMBER

REVISION DATE

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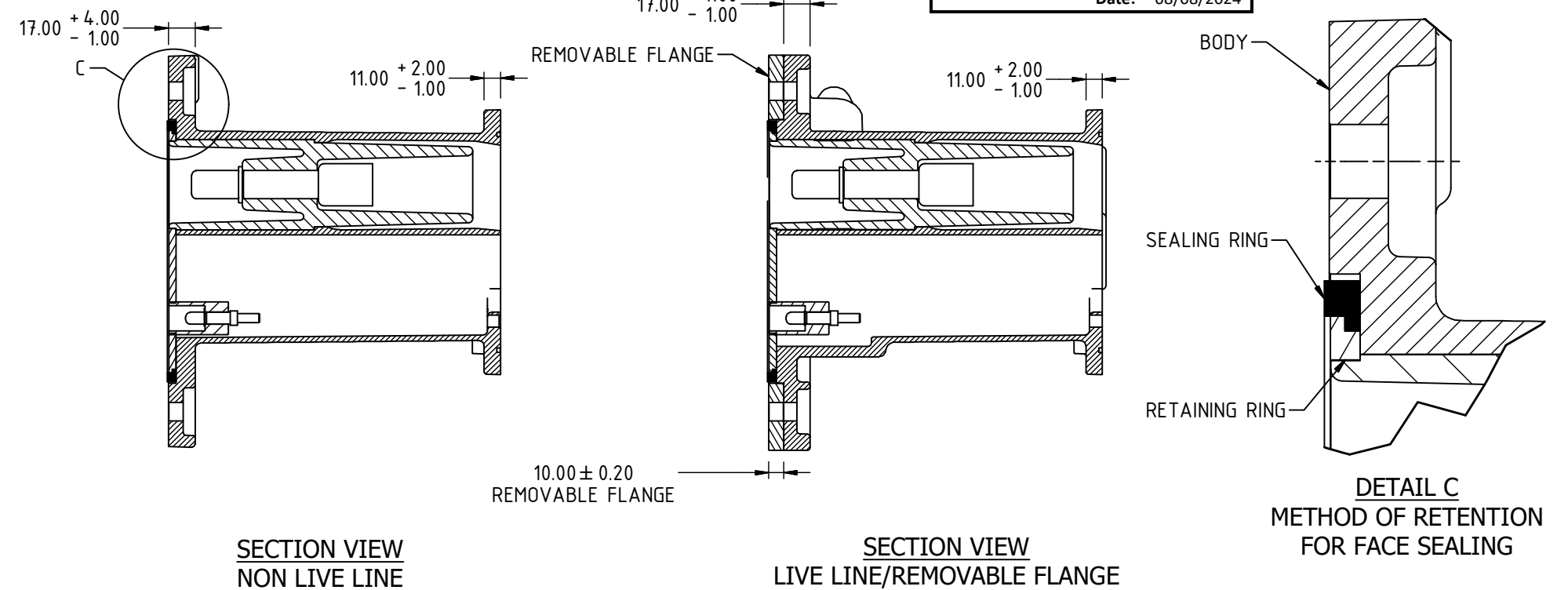
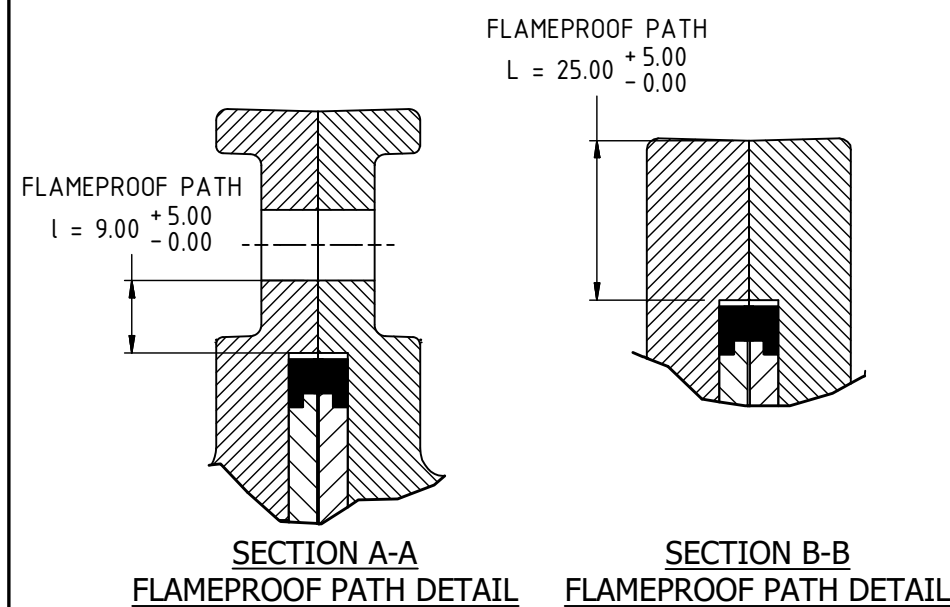
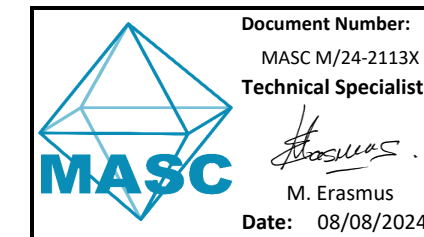
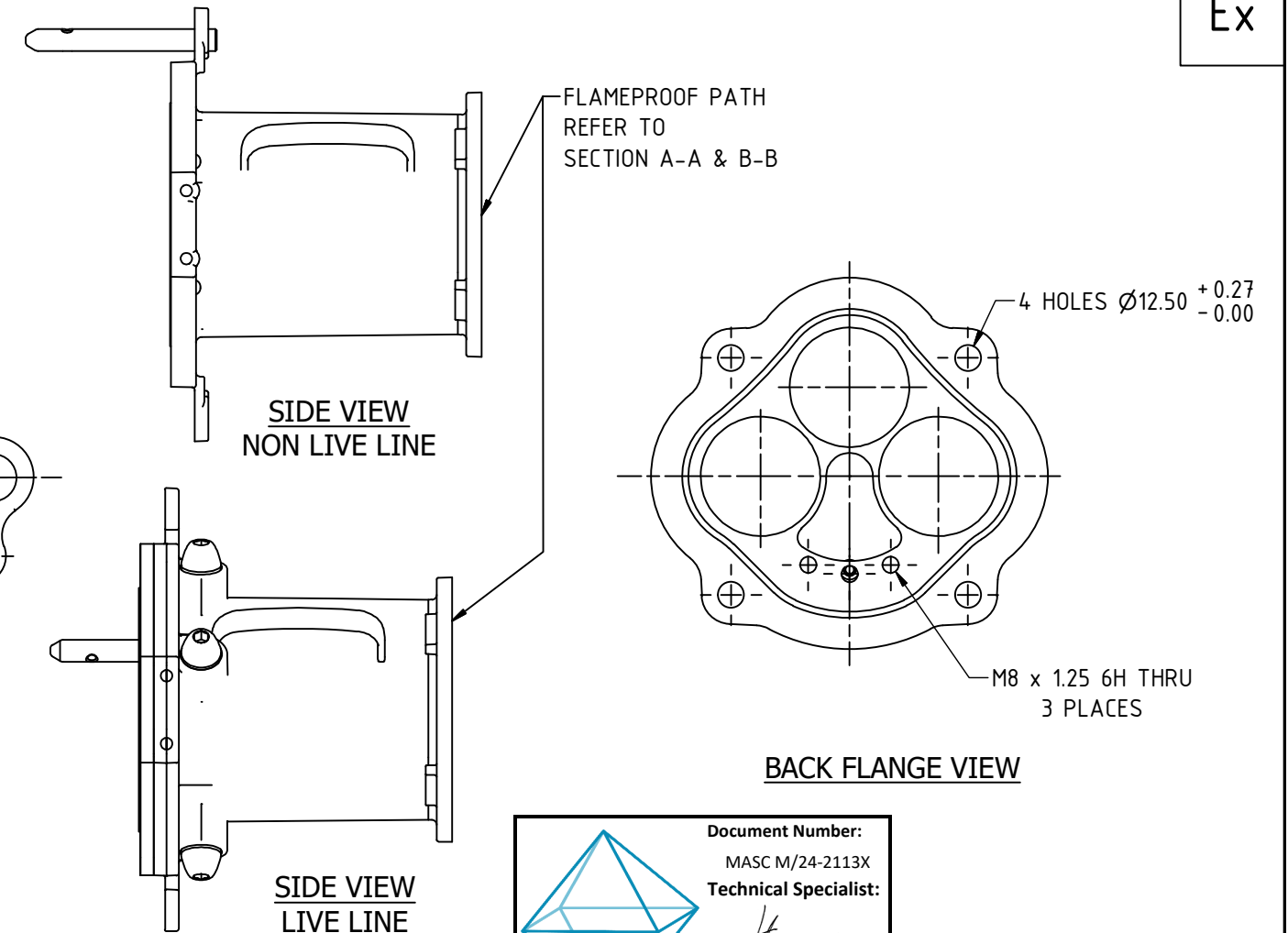
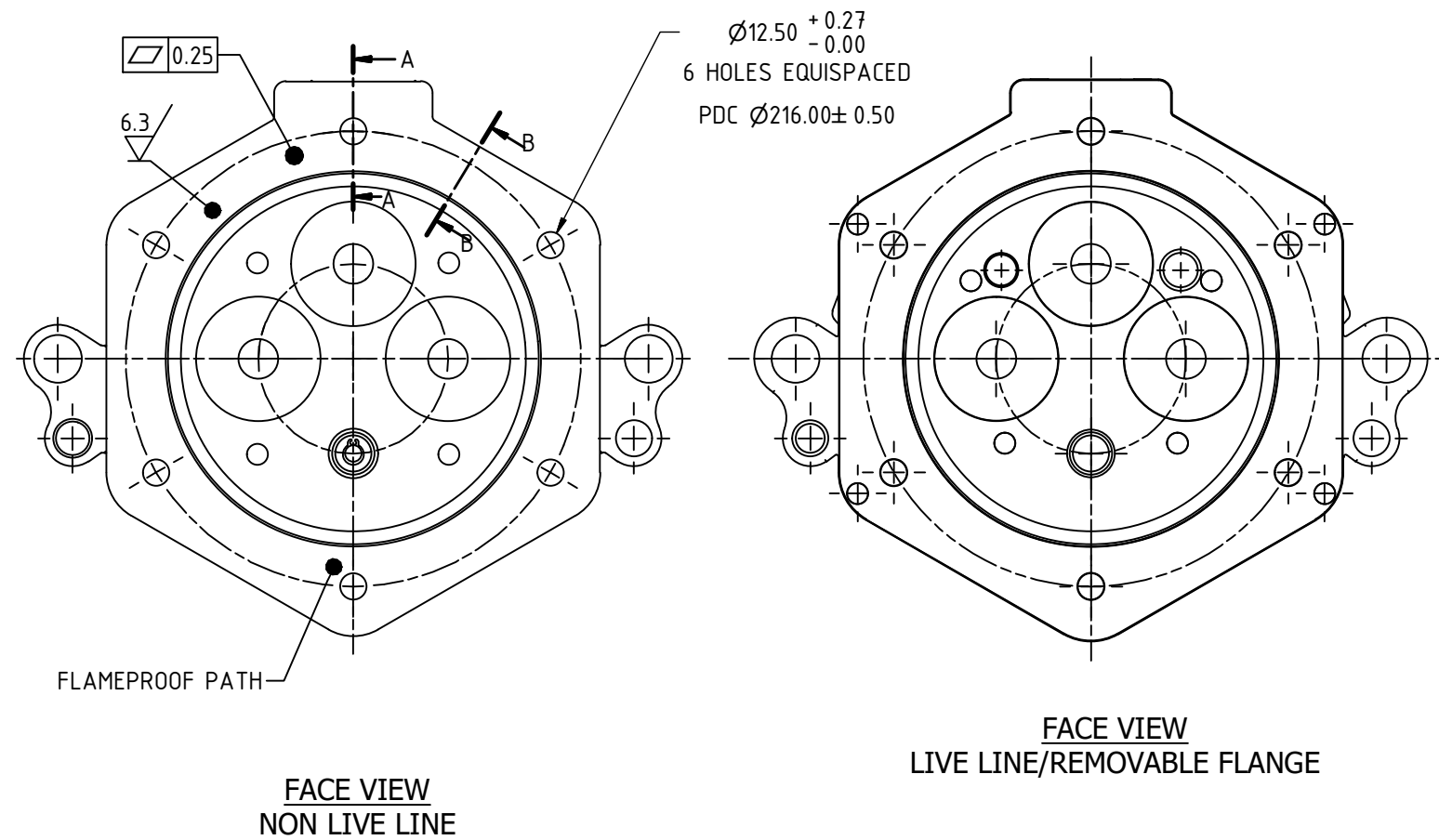
NEW REVISION

REVISION DESCRIPTION

Drawings	
Description	Drawing Number
12kV 400AMP COUPLER & ADAPTER SYSTEM	Ex124B-C000
BODY ASSEMBLIES	Ex124B-C001
RETAINING RINGS & REMOVABLE FLANGE	Ex124B-C002
LIVE LINE INDICATORS	Ex124B-C003
ADAPTOR FLANGE	Ex124B-C004
UNARMoured GLAND	Ex124B-C005
ARMoured GLAND	Ex124B-C006
INSULATED END COVER	Ex124B-C007
LABELS	Ex124B-C009
FASTENER SCHEDULE	Ex124B-C010
EARTHING DETAILS	Ex124B-C012
EARTHING DETAILS	Ex124B-C013
FIBER OPTICS	Ex124B-C014

Ex

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DRAWING NUMBER

Ex124B_C001

PRODUCT NAME

BODY ASSEMBLIES
CUSTOMER COPY

1

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20/04/2023

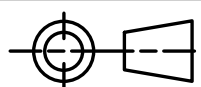
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NEW REVISION

REVISION DESCRIPTION

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UNLESS OTHERWISE SPECIFIEDX.X
X.XXALL SURFACES TO
UNLESS OTHERWISE NOTED

Ex

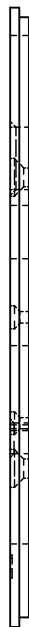
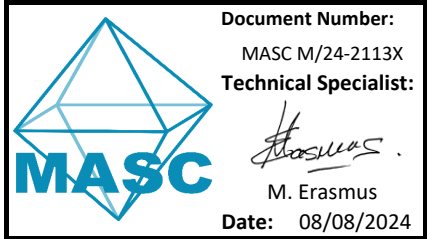
Ex



SIDE VIEW



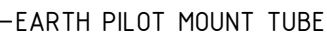
SIDE VIEW



SIDE VIEW



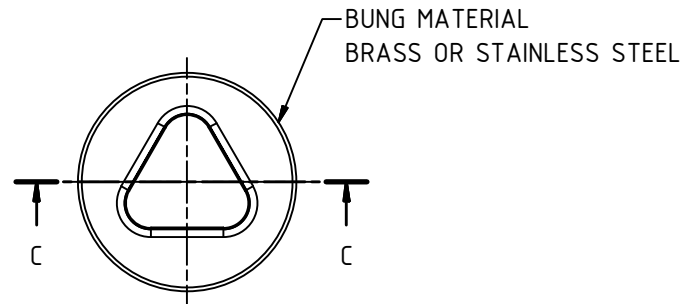
SIDE VIEW



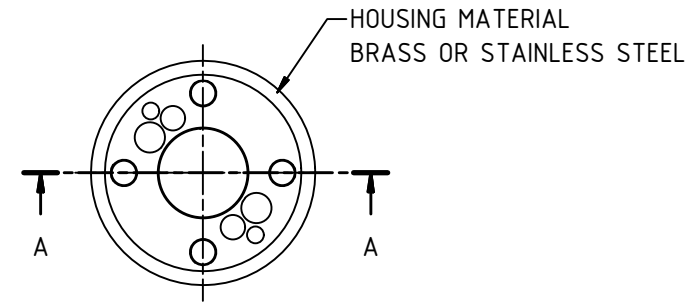
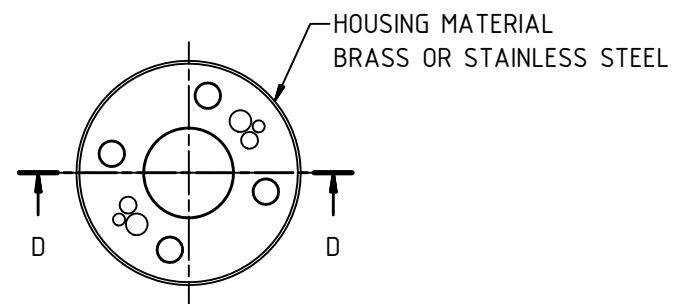
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ALL SURFACES TO UNLESS OTHERWISE NOTED				SIZE A3				REVISION NUMBER	REVISION DATE	REVISION BY	REVISION DESCRIPTION	

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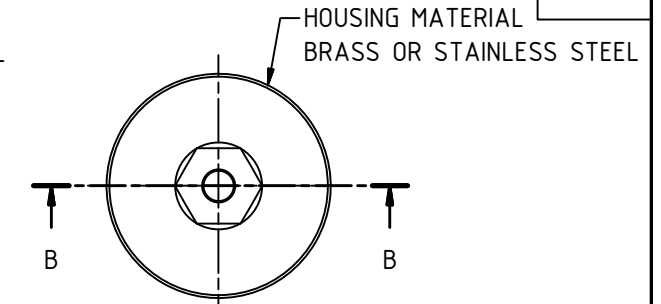
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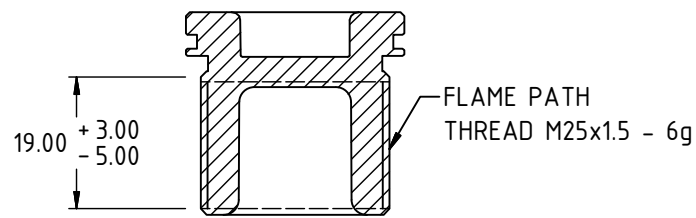
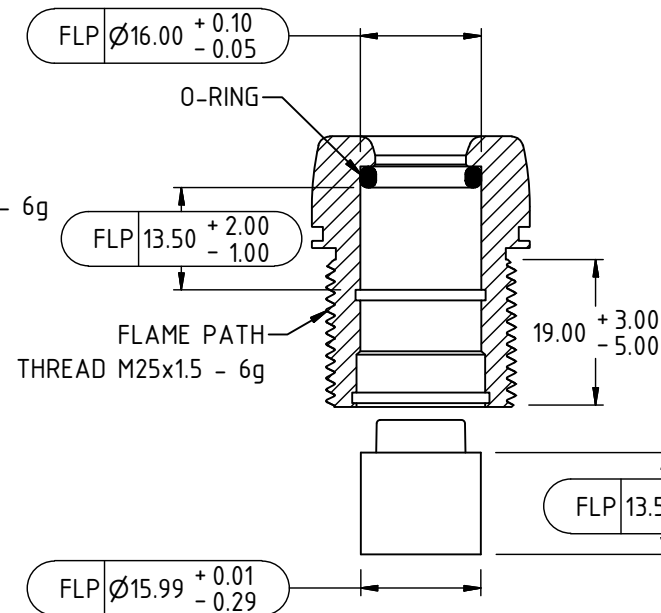
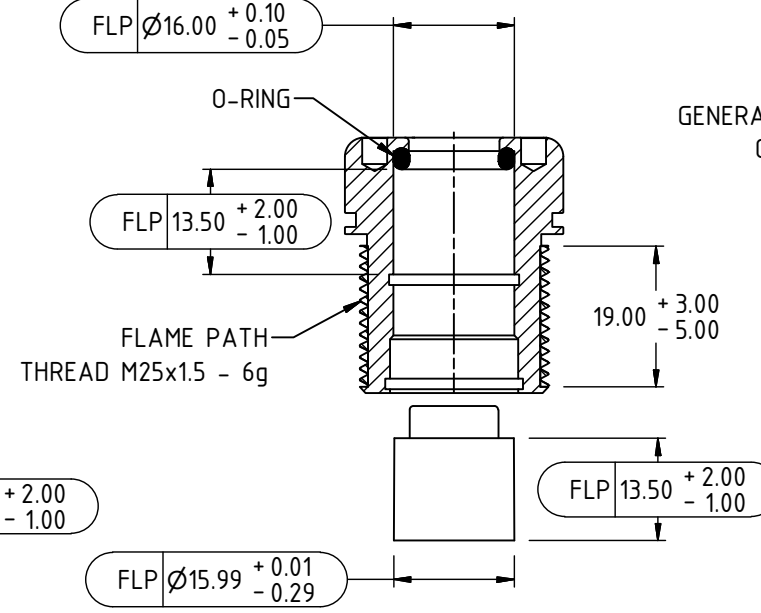
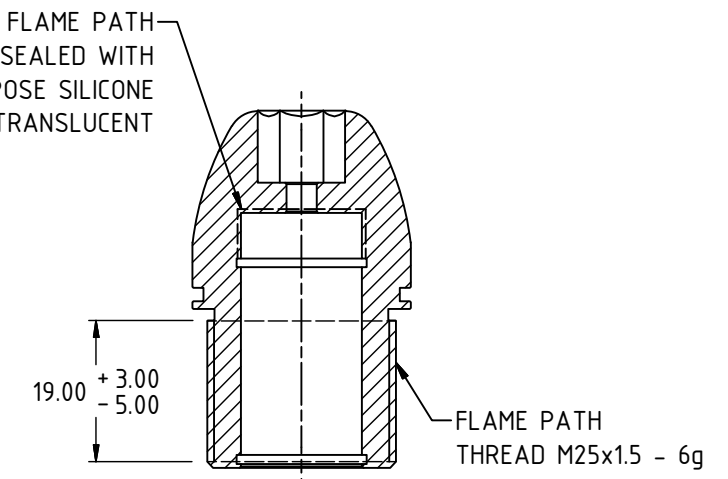
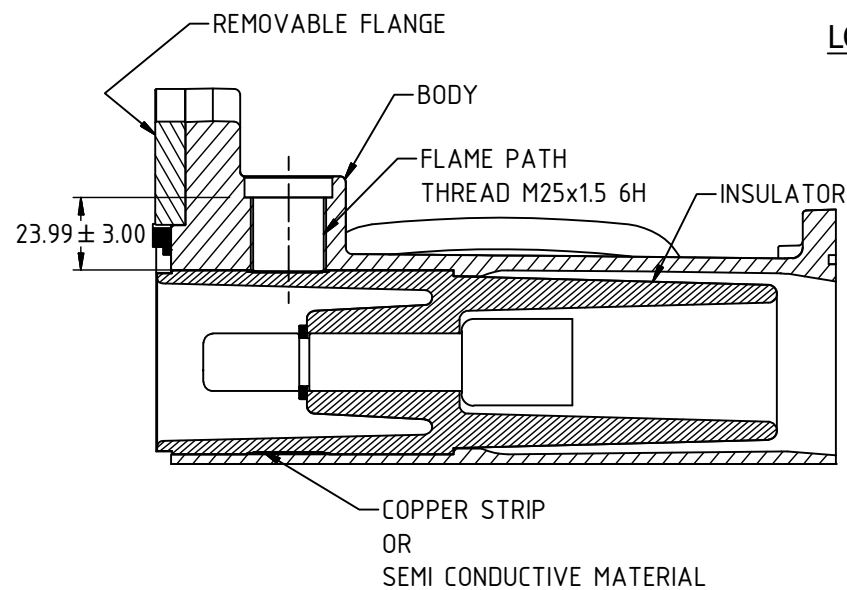
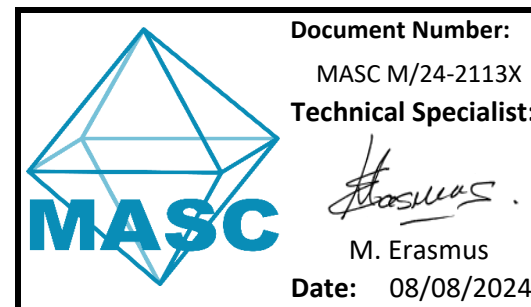
TOP VIEW



TOP VIEW



TOP VIEW

SECTION C-C
LIVE LINE BUNGSECTION D-D
LOW PROFILE LIVE LINE INDICATOR ASSEMBLY
WITH IMPACT PROTECTIONSECTION A-A
LOW PROFILE LIVE LINE INDICATOR ASSEMBLYSECTION B-B
LIVE LINE BULLET ASSEMBLYSECTION VIEW
LIVE LINE INDICATOR

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A3

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Ex124B_C003

PRODUCT NAME

LIVE LINE INDICATOR
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1

REVISION NUMBER

20/04/2023

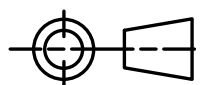
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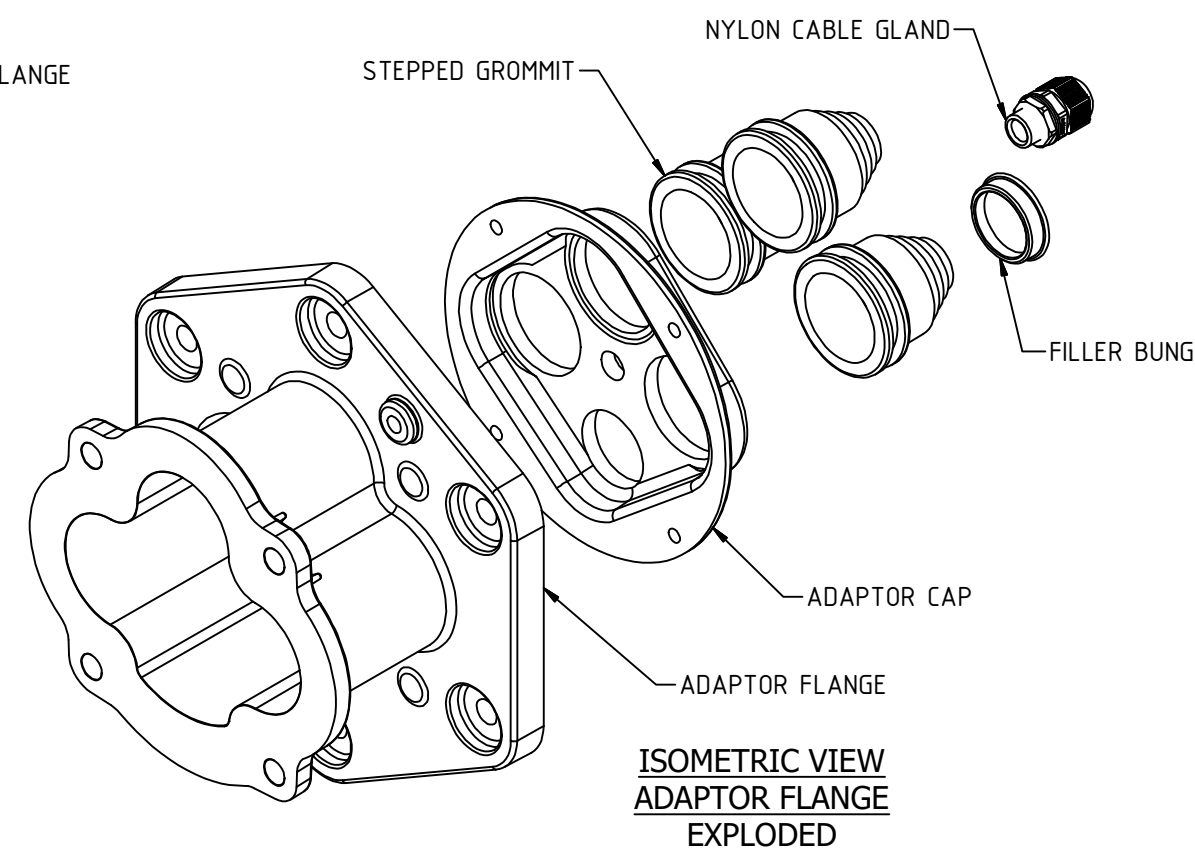
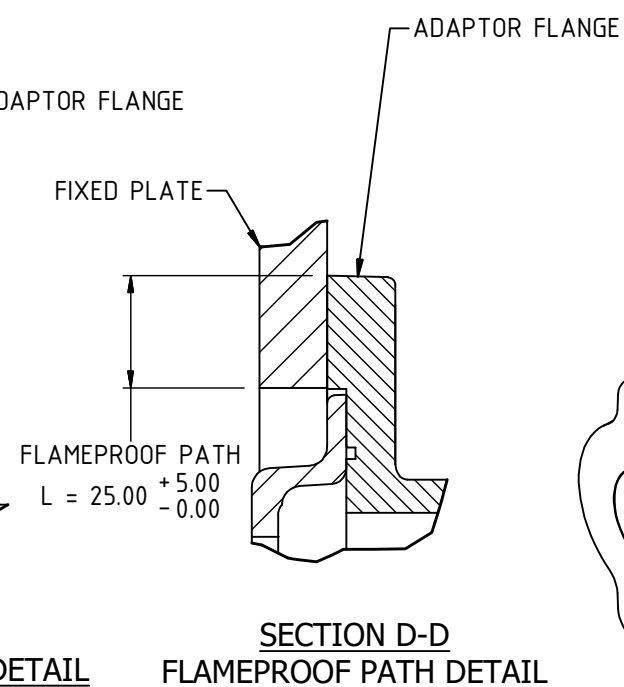
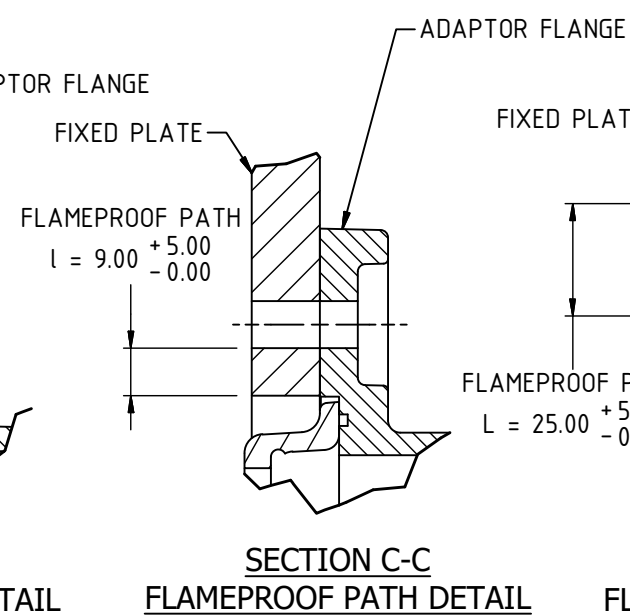
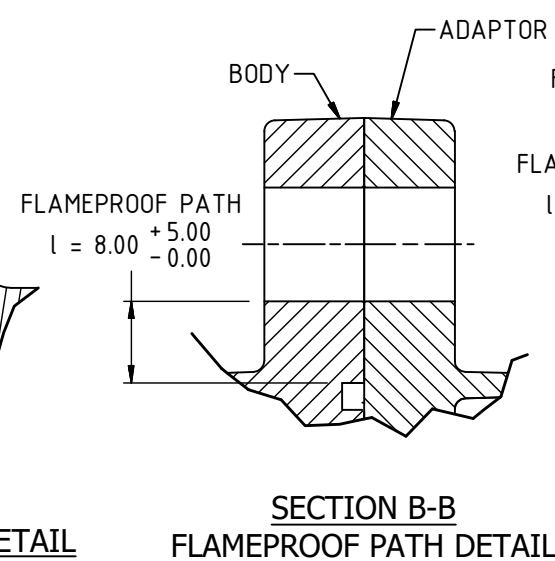
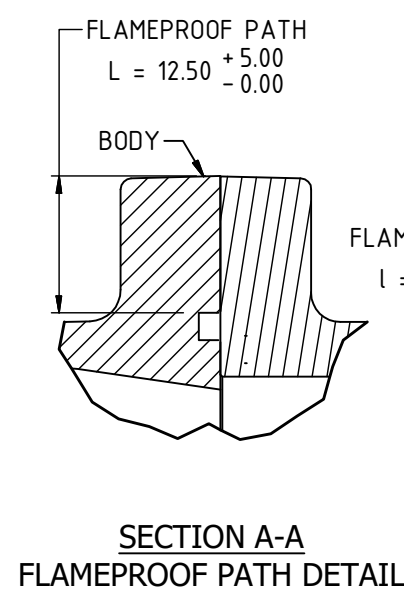
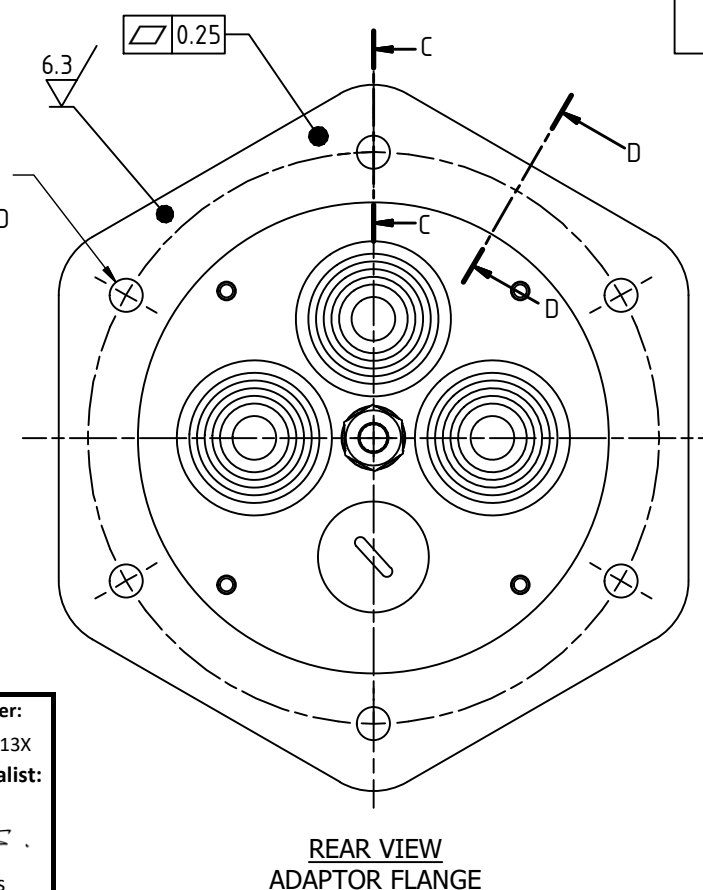
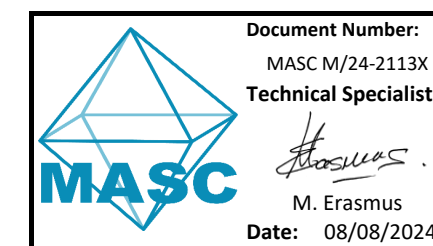
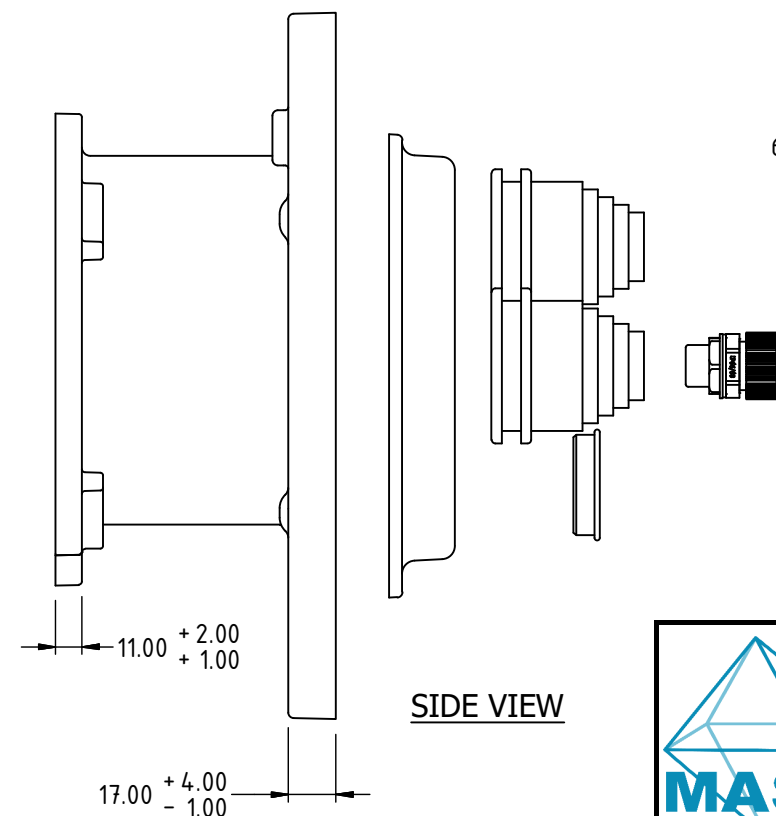
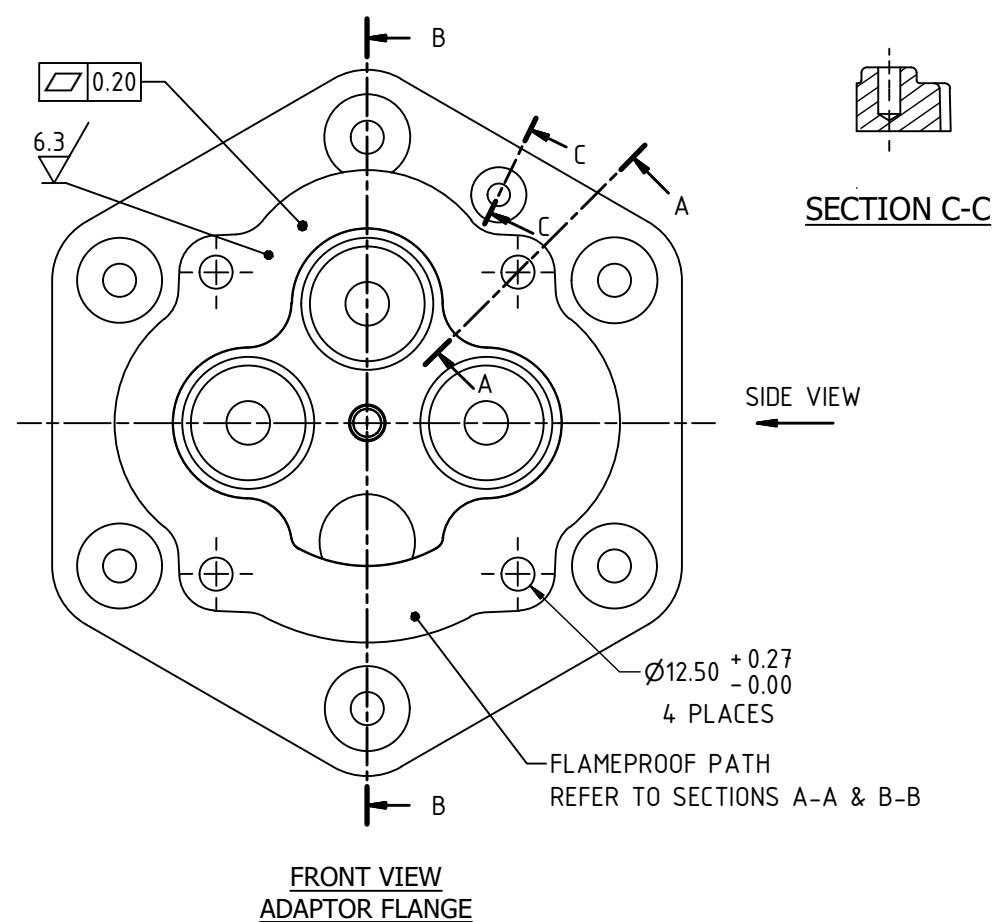
NEW REVISION

REVISION DESCRIPTION

DIMENSIONS (Metric-millimetre-mm)
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UNLESS OTHERWISE NOTEDX.X
X.XX

Ex

Ex



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C.TAYLOR

A3

DRAWING NUMBER

Ex124B C004

PRODUCT NAME

ADAPTOR FLANGE
CUSTOMER COPY

1

REVISION NUMBER

20/04/2023

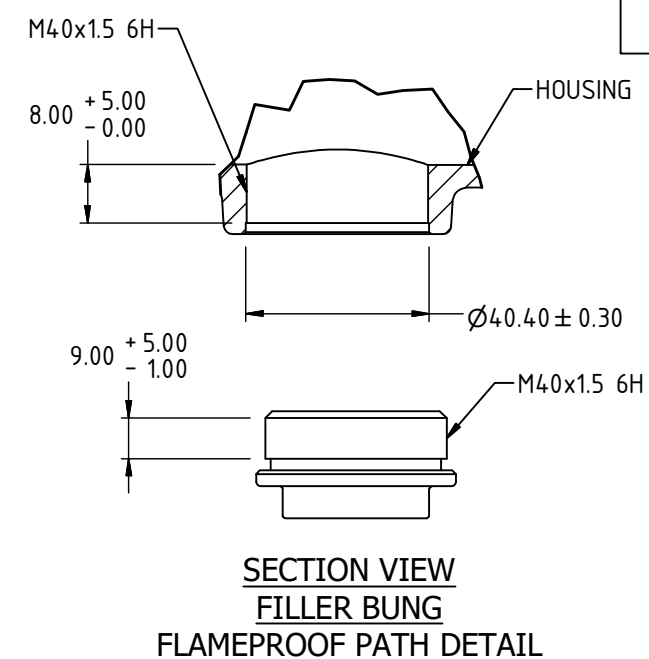
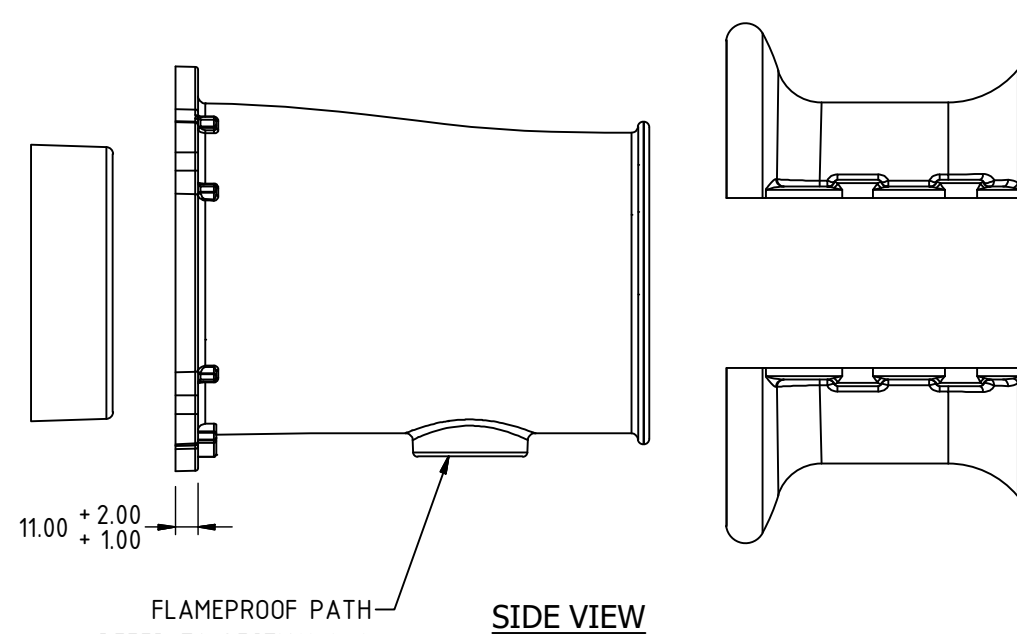
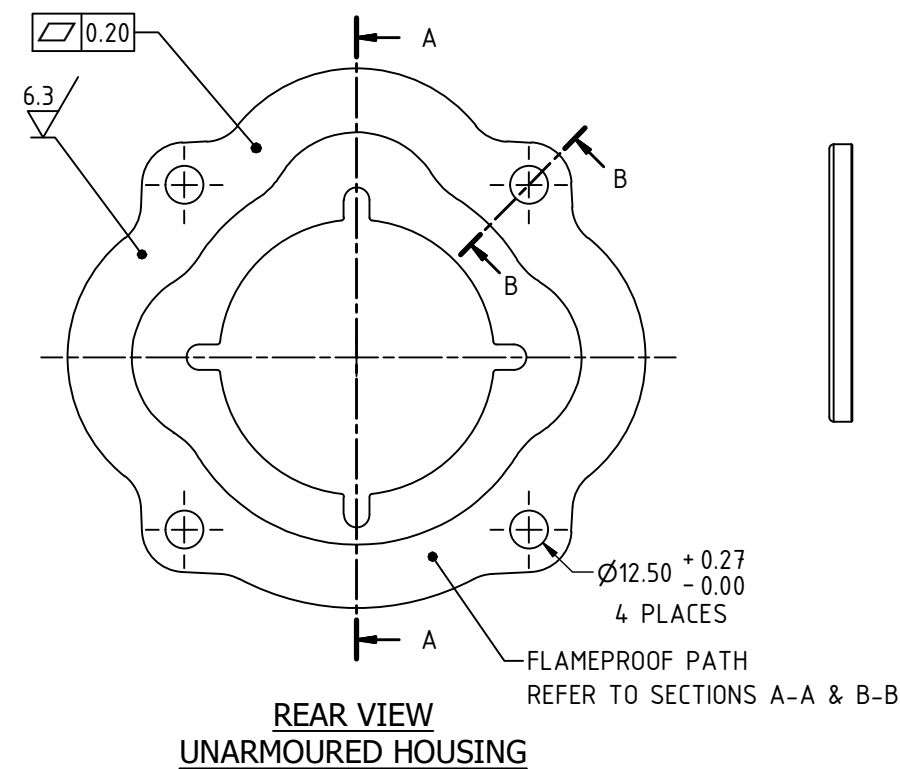
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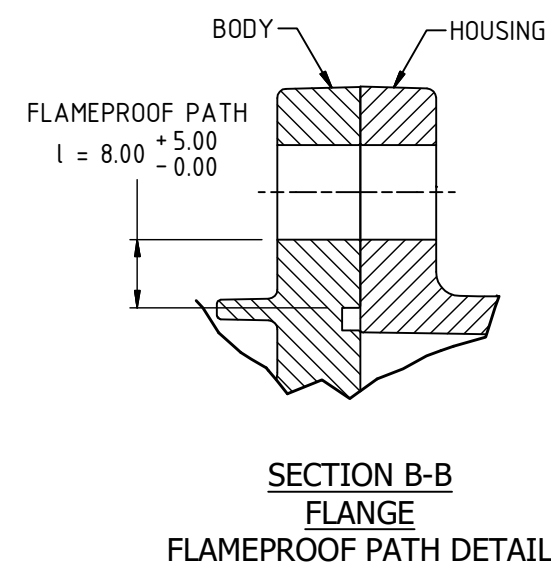
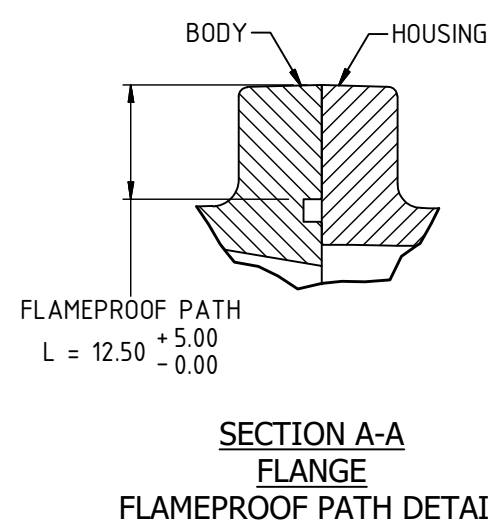
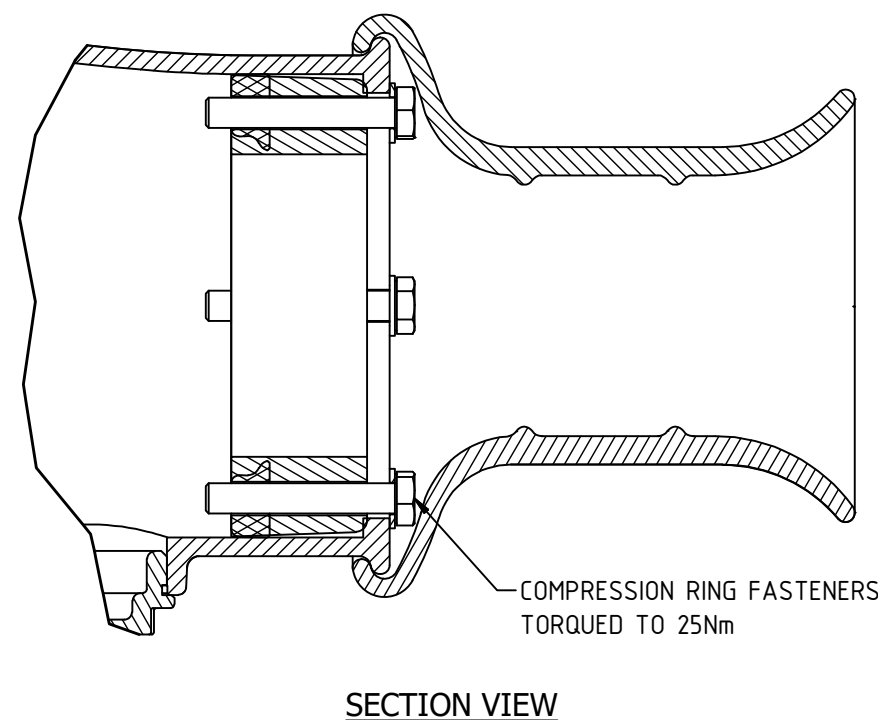
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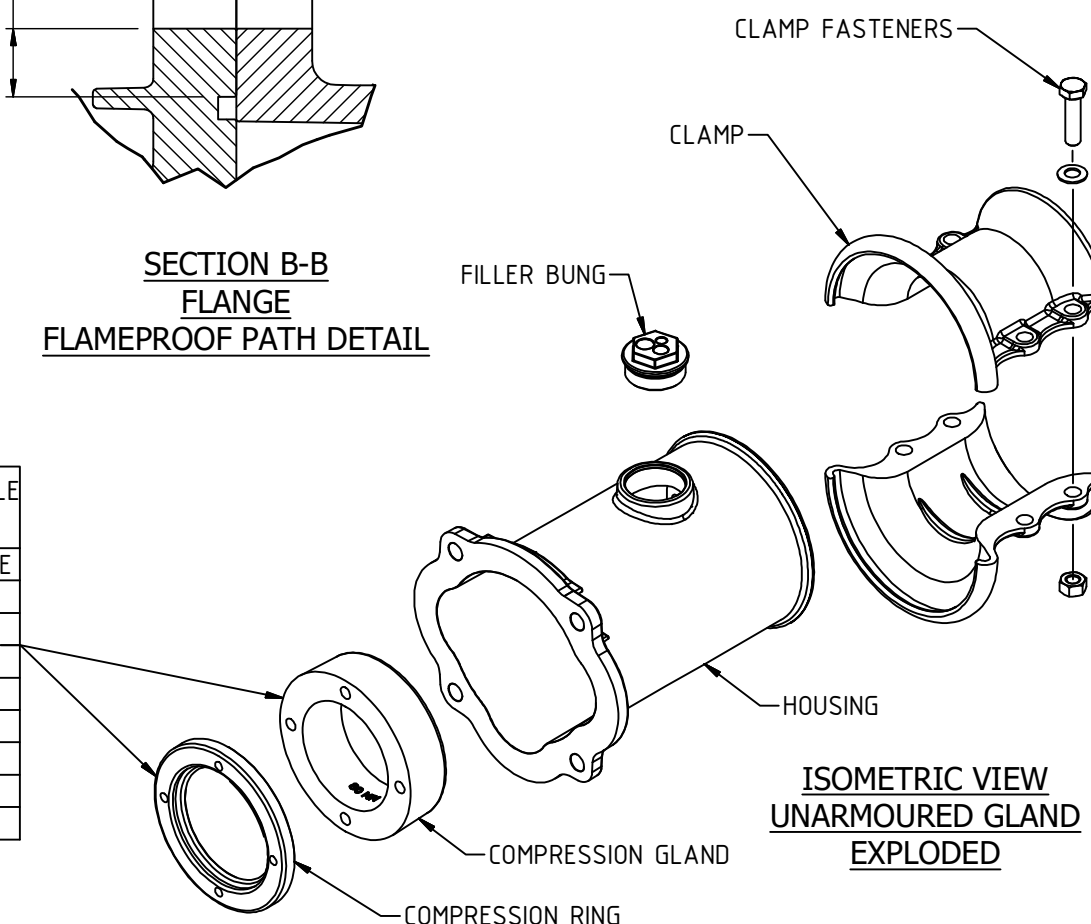


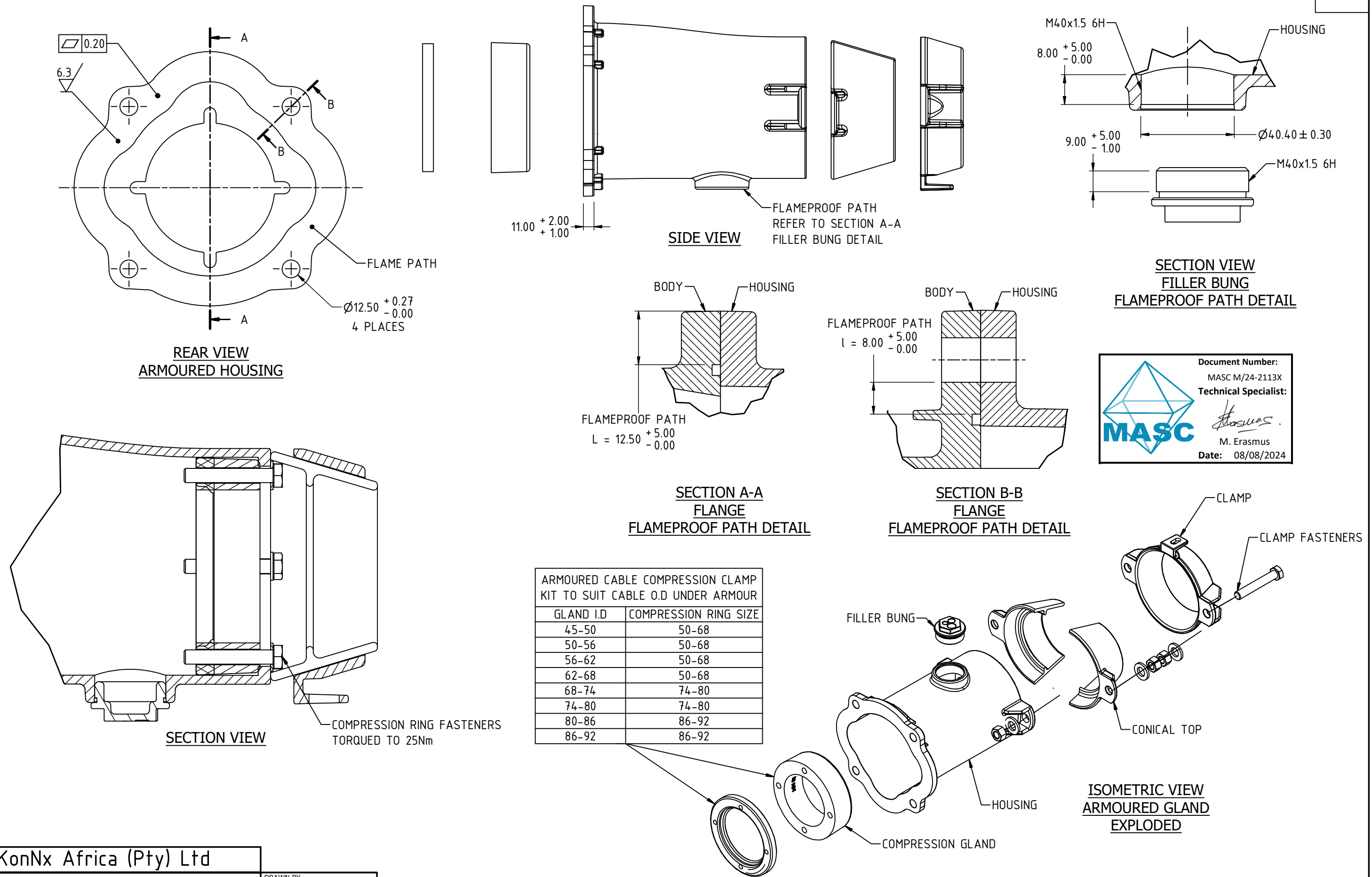
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MASC M/24-2113X
Technical Specialist:

M. Erasmus
Date: 08/08/2024



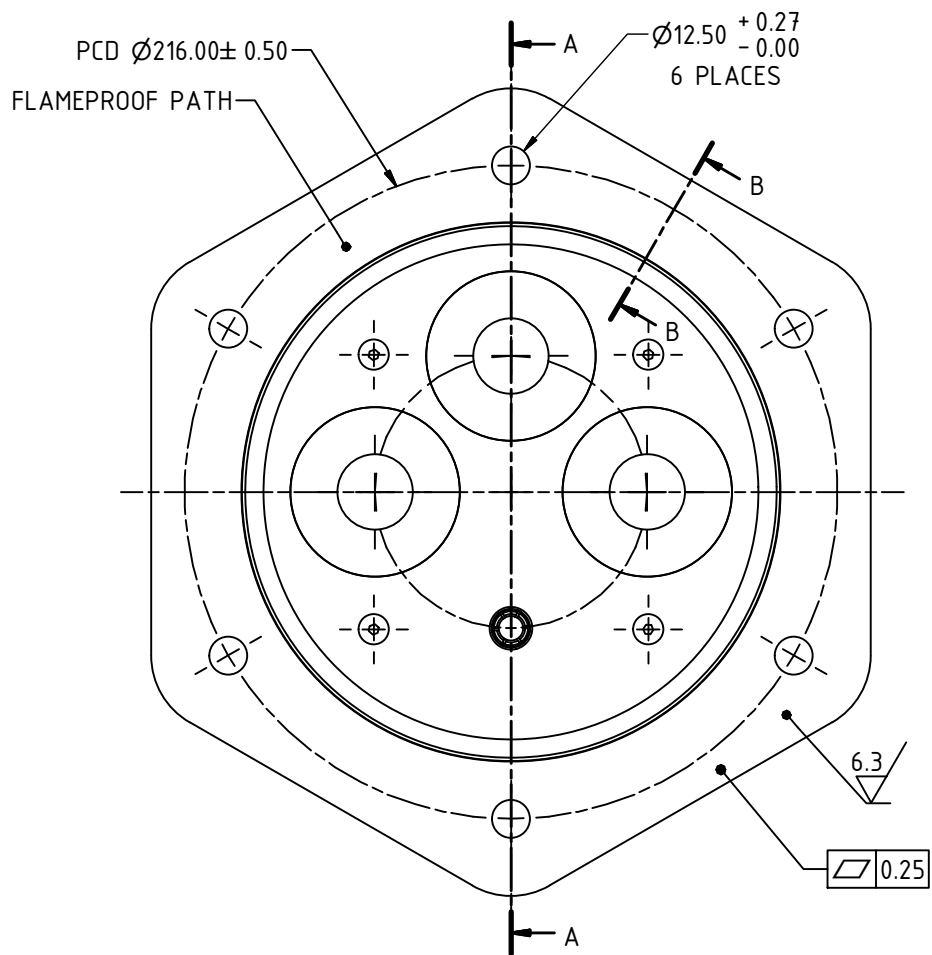
UNARMoured CABLE COMPRESSION CABLE KIT TO SUIT CABLE O.D	
GLAND I.D	COMPRESSION RING SIZE
45-50	50-68
50-56	50-68
56-62	50-68
62-68	50-68
68-74	74-80
74-80	74-80
80-86	86-92
86-92	86-92



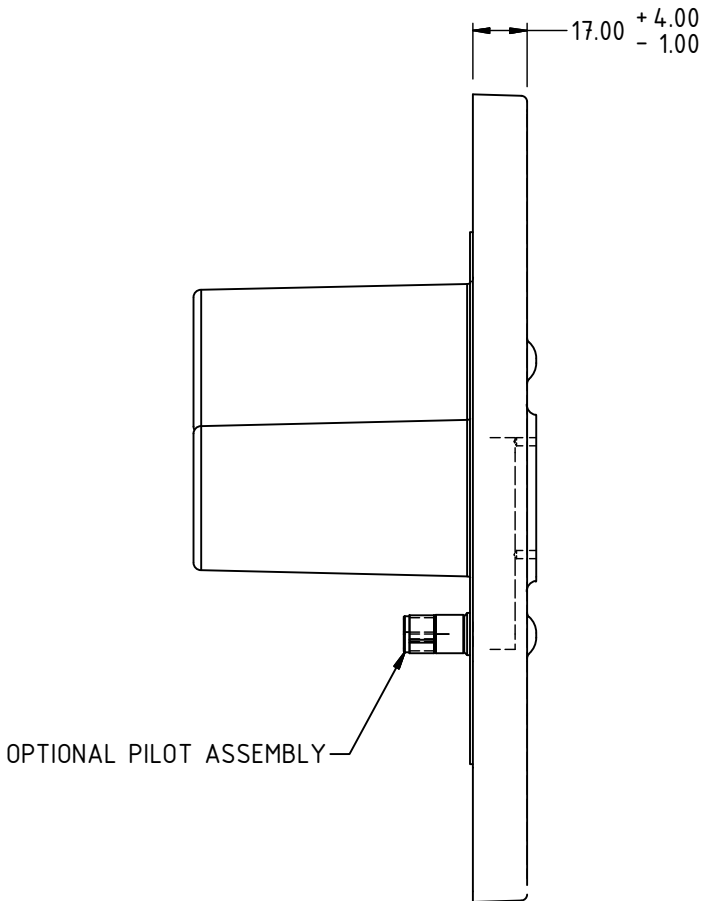


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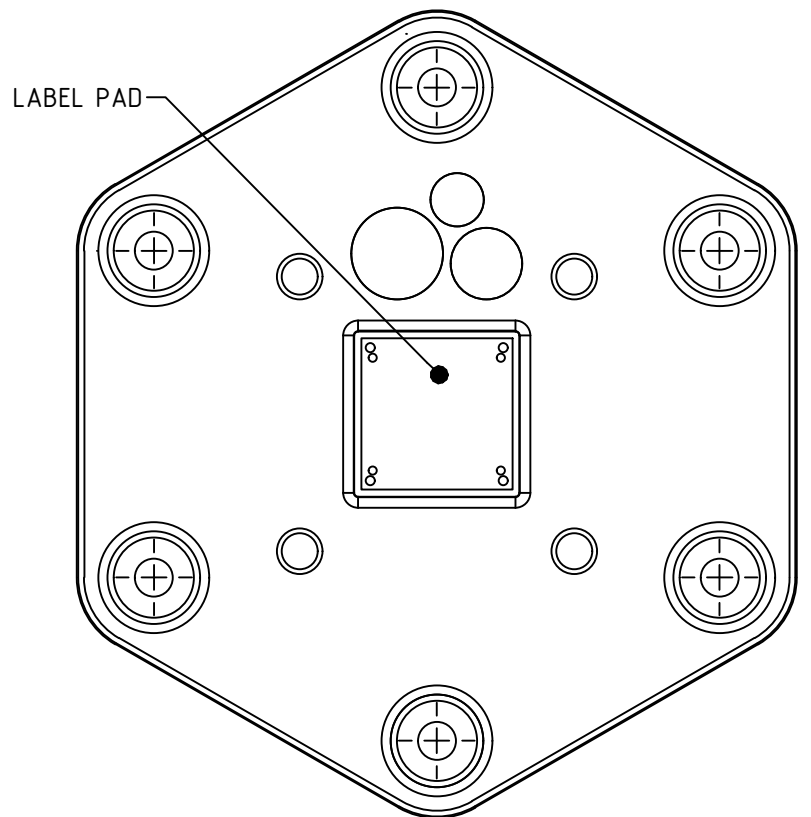
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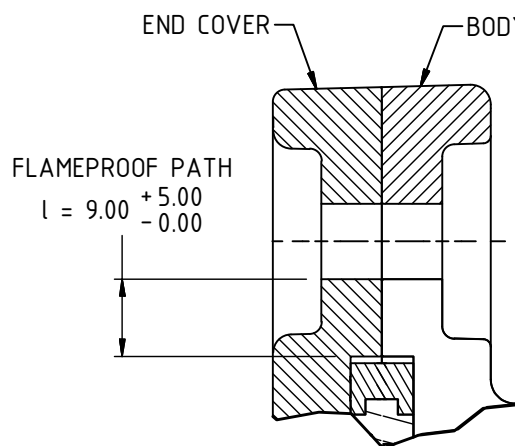
REAR VIEW
END COVER



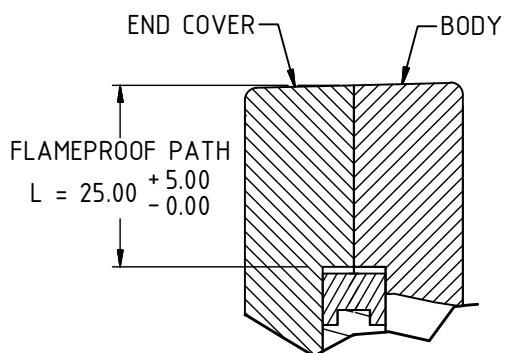
SIDE VIEW
END COVER



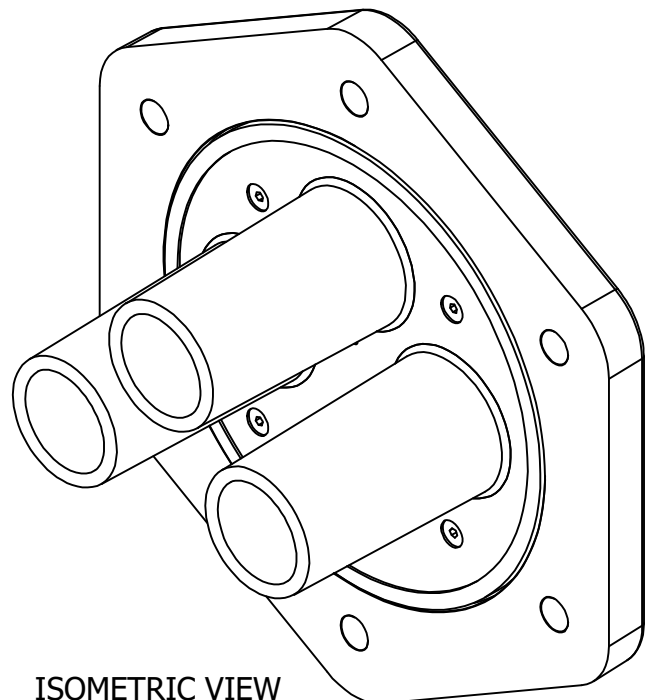
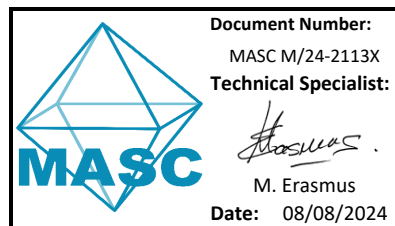
FRONT VIEW
END COVER



SECTION A-A
FLAMEPROOF PATH DETAIL



SECTION B-B
FLAMEPROOF PATH DETAIL



ISOMETRIC VIEW
END COVER

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42

DRAWING NUMBER

Ex124B C007

PRODUCT NAME

INSULATED END COVER
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1

REVISION NUMBER

20/04/2023

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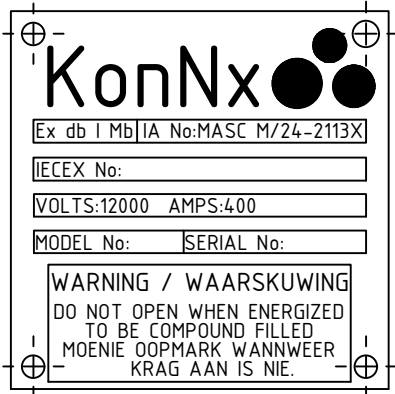
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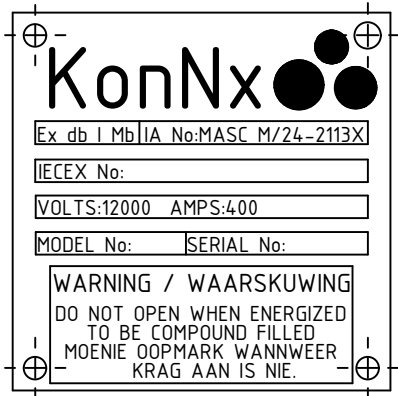
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STD BODY
PRODUCT DATA LABEL



END COVER
PRODUCT DATA LABEL



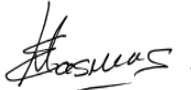
R/F L/L F/O BODY
PRODUCT DATA LABEL



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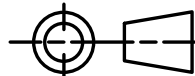
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Technical Specialist:

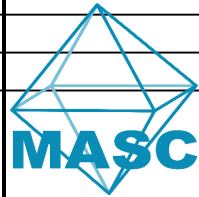


M. Erasmus

Date: 08/08/2024

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DIMENSIONS (Metric-millimetre-mm) UNLESS OTHERWISE SPECIFIED	X.X X.XX		APPROVED BY C.TAYLOR	DRAWING NUMBER Ex124B_C009	PRODUCT NAME LABELS CUSTOMER COPY	1	20/04/2023	AC	NEW REVISION
			SIZE A3			REVISION NUMBER	REVISION DATE	REVISION BY	REVISION DESCRIPTION

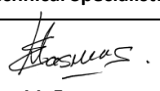
FASTENER SCHEDULE				
FASTENER TYPE	ISO	PN S/S (A2/A4-70 STAINLESS STEEL)	PN ZINC PLATED	NOTES
M2x0.4 x 3 GRUB SCREW (MIN Class 8.8) (6g)	ISO 4026	PN1549	PN10215	TO ALIGN FIBER OPTIC LENSE INTO MOUNTING BLOCK
M3x0.5 x 6 BHSCS (MIN Class 8.8) (6g)	ISO 7380	PN10195	PN10196	TO CONNECT DIODE/ RESISTOR WIRE TO RETAINING PLATE
M3x0.5 x 16 CSSHS (MIN Class 8.8) (6g)	ISO 10642	PN10191	PN10197	TO FIX FIBER OPTIC MOUNT BLOCK TO RETAINING PLATE
M5x0.8 x 12 CSSHS (MIN Class 8.8) (6g)	ISO 10642	PN1076	PN10198	TO FIX RETAINING PLATE TO BODY/END COVER
M5x0.8 x 16 CSSHS (MIN Class 8.8) (6g)	ISO 10642	PN10192	PN10199	TO FIX REMOVABLE FLANGE TO BODY
M6x1.0 x 12 BHSCS (MIN Class 8.8) (6g)	ISO 7380	PN10200	PN10201	TO FIX DMC ADAPTER CAP TO ADAPTER FLANGE
M8x1.25 x 8 GRUB SCREW (MIN Class 8.8) (6g)	ISO 4026	PN10202	PN10203	TO FIX CABLE INTO CONTACT (PN1095 BLACK GRUB SCREW ALSO USED)
M8x1.25 x 12 BHSCS (MIN Class 8.8) (6g)	ISO 7380	PN1180	PN10204	TO FIX INTERNAL EARTH BRACKET TO BODY & EARTH LUGS TO EARTH BRACKET
M8x1.25 x 16 SET SCREW (MIN Class 8.8) (6g)	ISO 4017	PN10205	PN1742	TO FIX EARTH TO SWA CLAMP
M8x1.25 x 50 BOLT (MIN Class 4.6) (6g)	ISO 4017	PN10206	PN1119	TO FIX COMPRESSION RING
M10x1.5 x 20 SHCS (MIN Class 8.8) (6g)	ISO 4762	PN1391	PN10207	EARTH FIXING POINT BOLTS ON MAIN FLANGE FACE
M10x1.5 x 35 SET SCREW (MIN Class 4.6) (6g)	ISO 4017	PN10208	PN1460	TO BOLT ALL HOUSINGS & ADAPTOR FLANGE TO BODY
M10x1.5 x 35 GRUB SCREW (MIN Class 8.8) (6g)	ISO 4026	PN1281	PN10209	EARTH STUDS ON ADAPTER FLANGE
M10x1.5 x 40 SET SCREW (MIN Class 4.6) (6g)	ISO 4017	PN10210	PN1171	TO FIX THE UA CABLE CLAMP TO HOUSING
M12x1.75 x 55 SET SCREW (MIN Class 4.6) (6g)	ISO 4017	PN10211	PN1307	TO BOLT TWO BODY TOGETHER,BODY TO ADAPTER,BODY TO END COVER
M12x1.75 x 75 SET SCREW (MIN Class 4.6) (6g)	ISO 4017	PN10212	PN1117	TO BOLT SWA CABLE CLAMP TO HOUSING
M3 WASHER (MIN Class 5) (140HV,200HV)	ISO 7089	PN10213	PN10214	TO CONNECT DIODE/ RESISTOR WIRE TO RETAINING PLATE
M8 BELLEVILLE LOCK WASHER	DIN 2093A	PN1466	PN10113	TO FIX INTERNAL EARTH BRACKET TO BODY & EARTH LUGS TO EARTH BRACKET
M10 BELLEVILLE LOCK WASHER	DIN 2093A	PN1473	PN10144	TO FIX EARTH TO MAIN FLANGE FACE & ADAPTER FLANGE
M10 WASHER (MIN Class 5) (140HV,200HV)	ISO 7089	PN10149	PN1091	TO FIX THE UA CABLE CLAMP TO HOUSING
M12 WASHER (MIN Class 5) (140HV,200HV)	ISO 7089	PN10142	PN1500	TO BOLT SWA CABLE CLAMP TO HOUSING
M8x1.25 NUTS (MIN Class 5) (6H)	ISO 4032	PN10125	PN1465	TO FIX EARTHS TO BODY AND SWA CLAMPS
M10x1.5 NUTS (MIN Class 5) (6H)	ISO 4032	PN1472	PN1461	TO FIX HOUSINGS,ADAPTER FLANGE TO BODY
M12x1.75 NUTS (MIN Class 5) (6H)	ISO 4032	PN10143	PN1463	TO BOLT TWO BODY TOGETHER,BODY TO ADAPTER,BODY TO END COVER
4G x 1/4" HAMMER DRIVES	ASME B18.6.4	PN10151	PN1366	TO FIX LABEL TO BODY,END COVER
8mm x 36mm GROUND DOWEL PIN	ISO 8734	N/A	PN1601 (HARDENED PIN ONLY)	TO ALIGN FIBER OPTIC LENSE



Document Number:

MASC M/24-2113X

Technical Specialist:



M. Erasmus

Date: 08/08/2024

NOTE

OPTIONAL M12x1.75 HARDWARE MAY BE USED
MUST HAVE A MINIMUM YIELD OF 240MPa

THREAD CLASS TO ISO 965

COARSE THREAD PITCH TO ISO 262

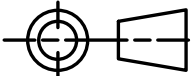
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DIMENSIONS (Metric-millimetre-mm)
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X.X

X.XX



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A.CASTLE

APPROVED BY
C.TAYLOR

SIZE
A3

DRAWING NUMBER
Ex124B_C010

PRODUCT NAME
FASTENER SCHEDULE
CUSTOMER COPY

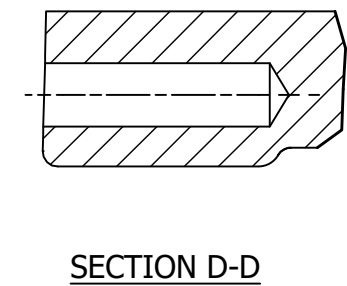
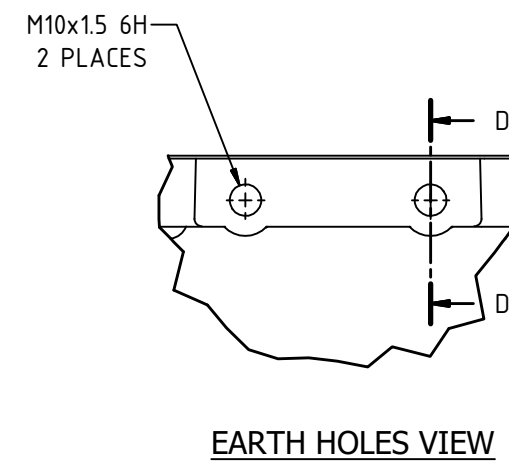
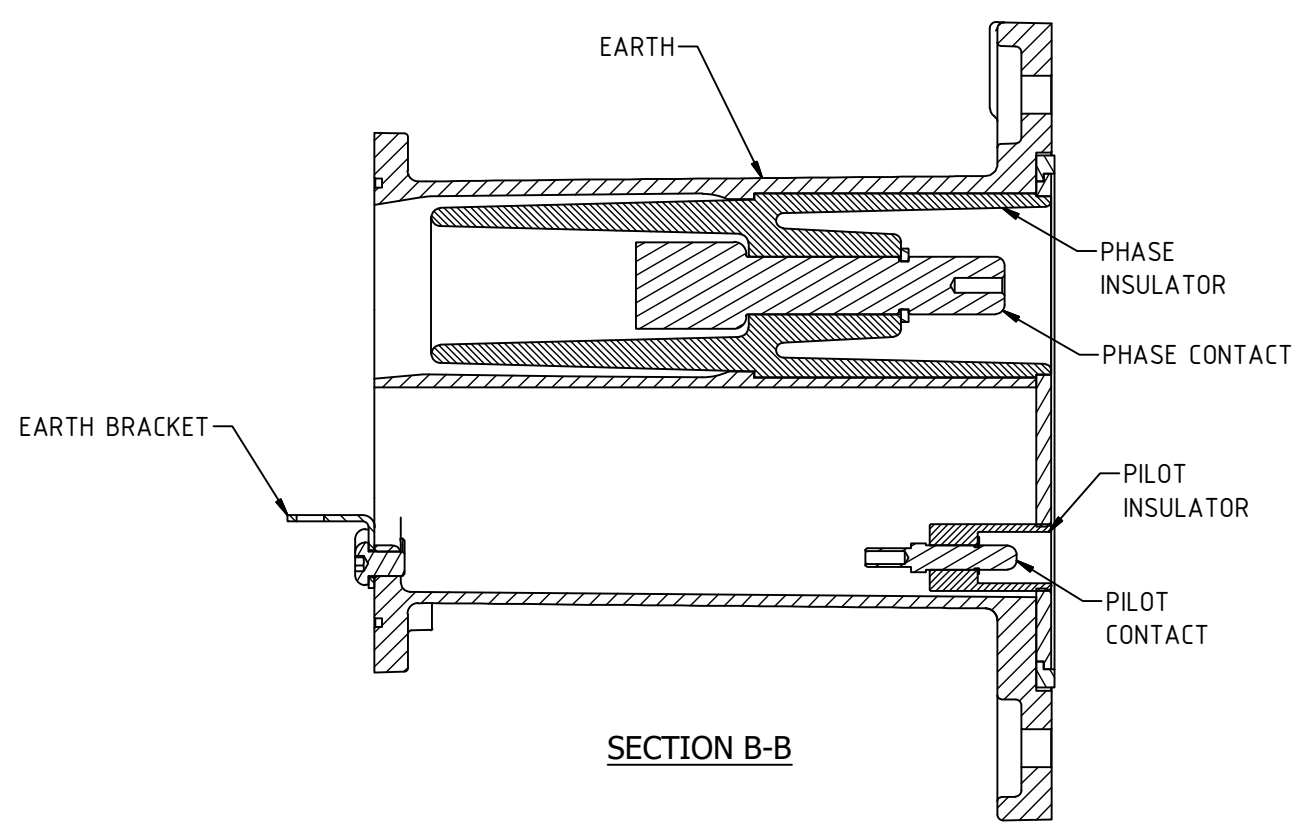
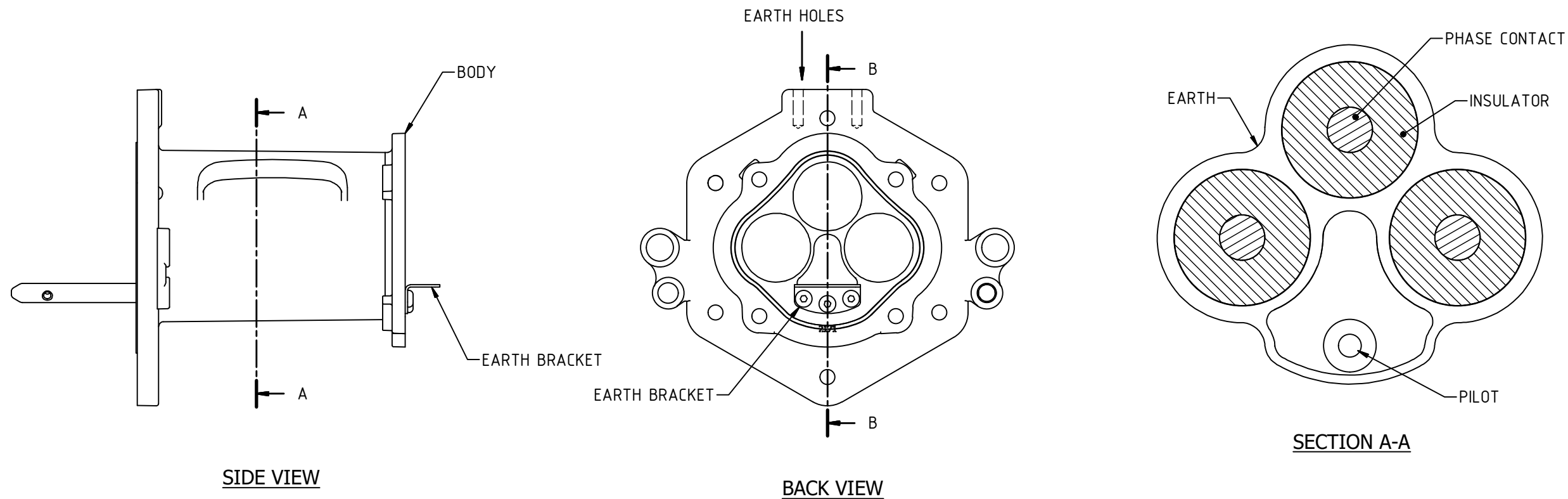
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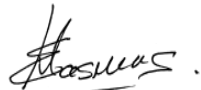
NEW REVISION

REVISION DESCRIPTION

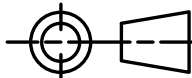




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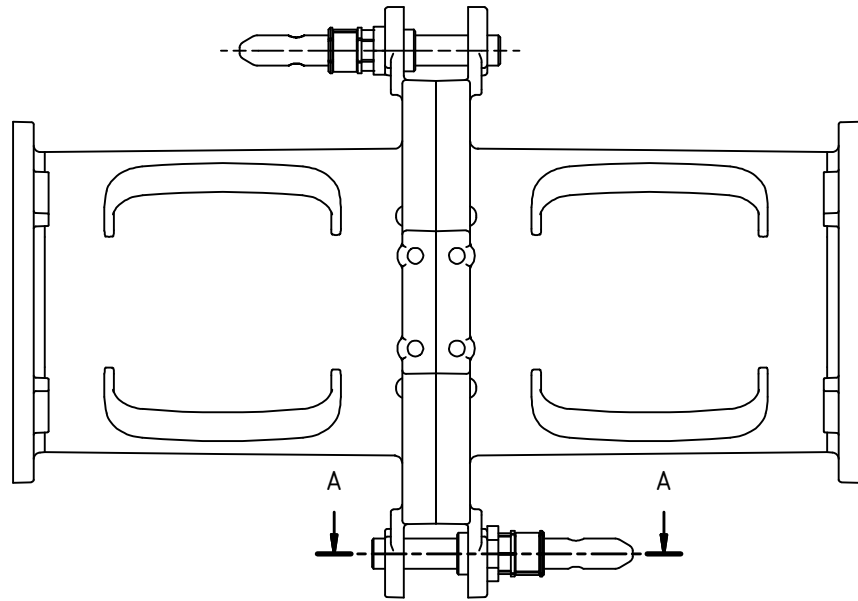
Technical Specialist:

M. Erasmus

Date: 08/08/2024

KonNx Africa (Pty) Ltd											
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DIMENSIONS (Metric-millimetre-mm) UNLESS OTHERWISE SPECIFIED		X.X X.XX		APPROVED BY C.TAYLOR		DRAWING NUMBER Ex124B_C012	PRODUCT NAME EARTHING DETAILS CUSTOMER COPY	1	20/04/2023	AC	NEW REVISION
ALL SURFACES TO UNLESS OTHERWISE NOTED				SIZE A3				REVISION NUMBER	REVISION DATE	REVISION BY	REVISION DESCRIPTION

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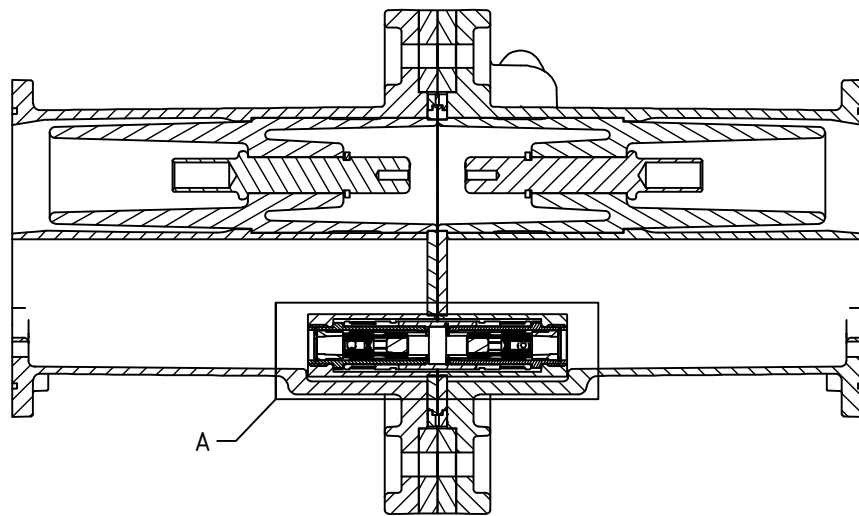
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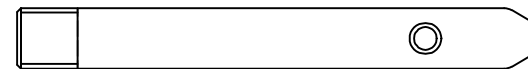
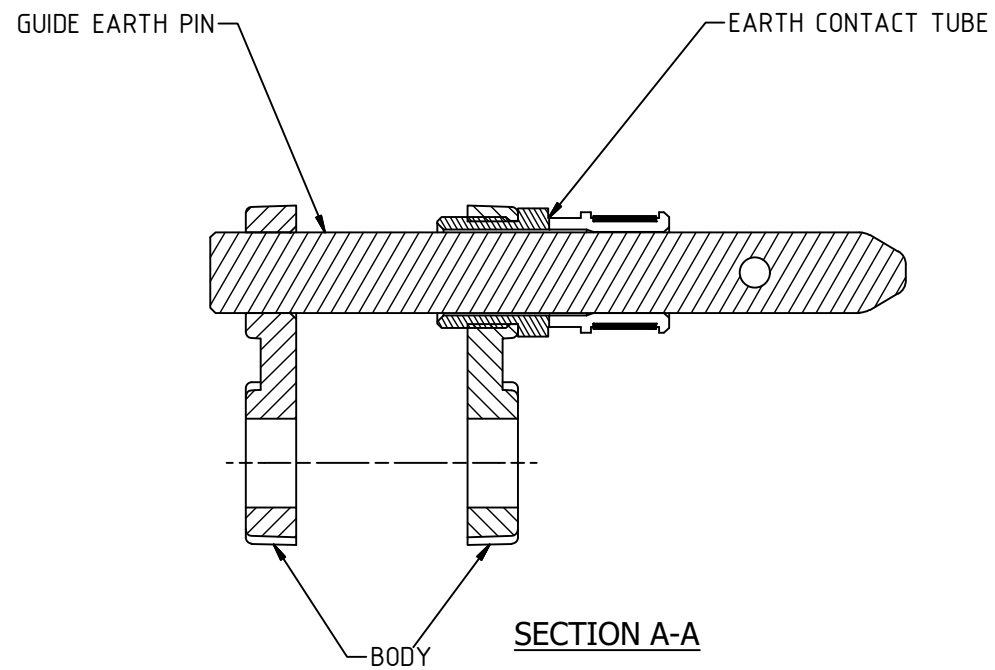
TOP VIEW
GUIDE PIN EARTH OPTION



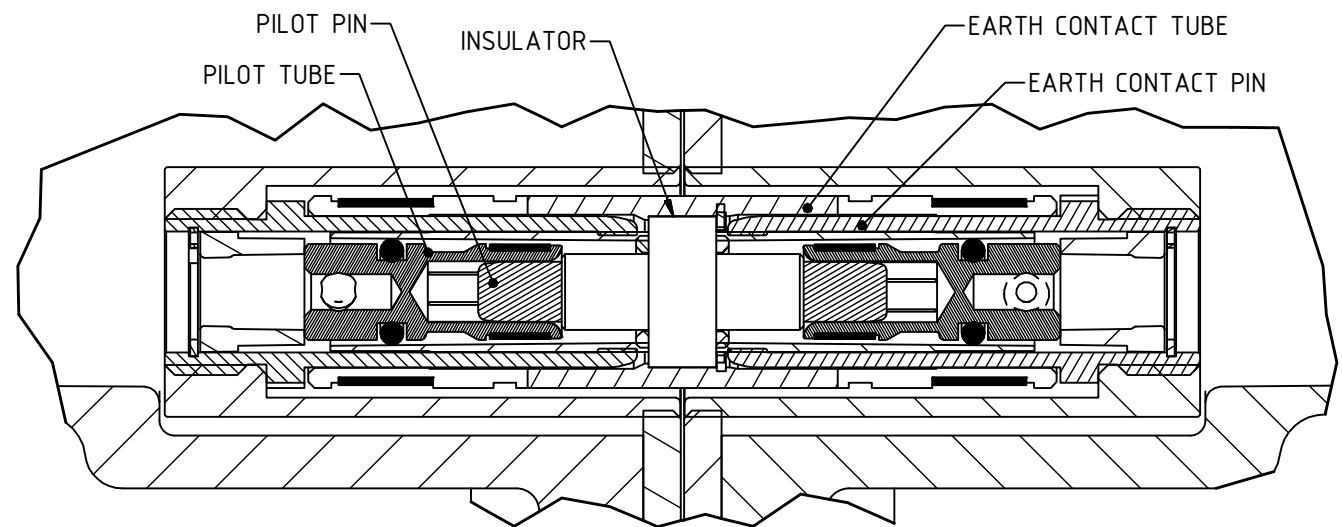
EARTH CONTACT TUBE



SECTION VIEW COUPLER WITH EARTH PILOT CONNECTION



EARTH CONTACT PIN



SECTION VIEW EARTH PILOT CONNECTION

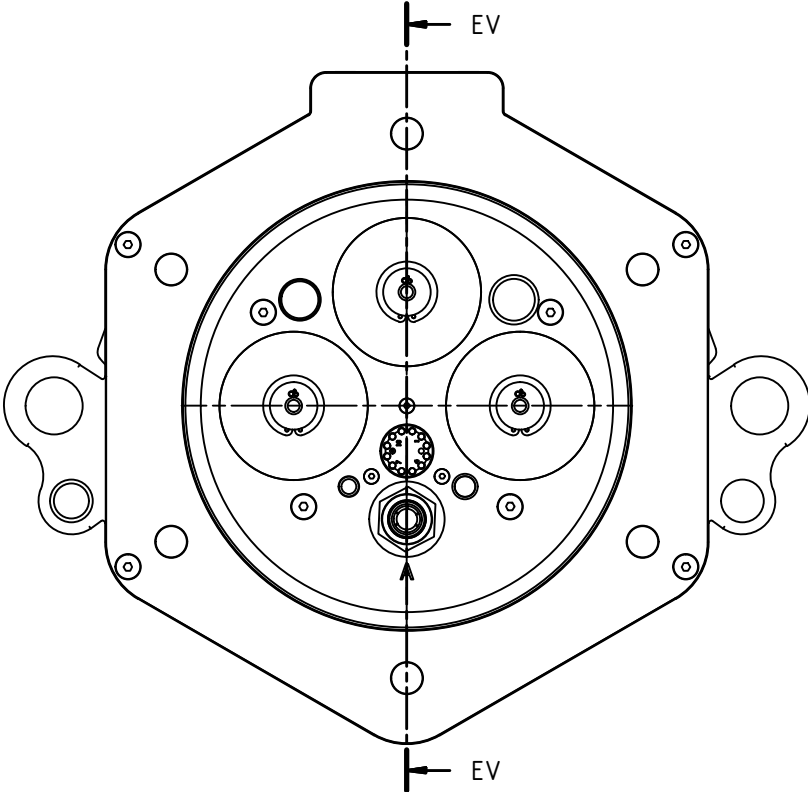
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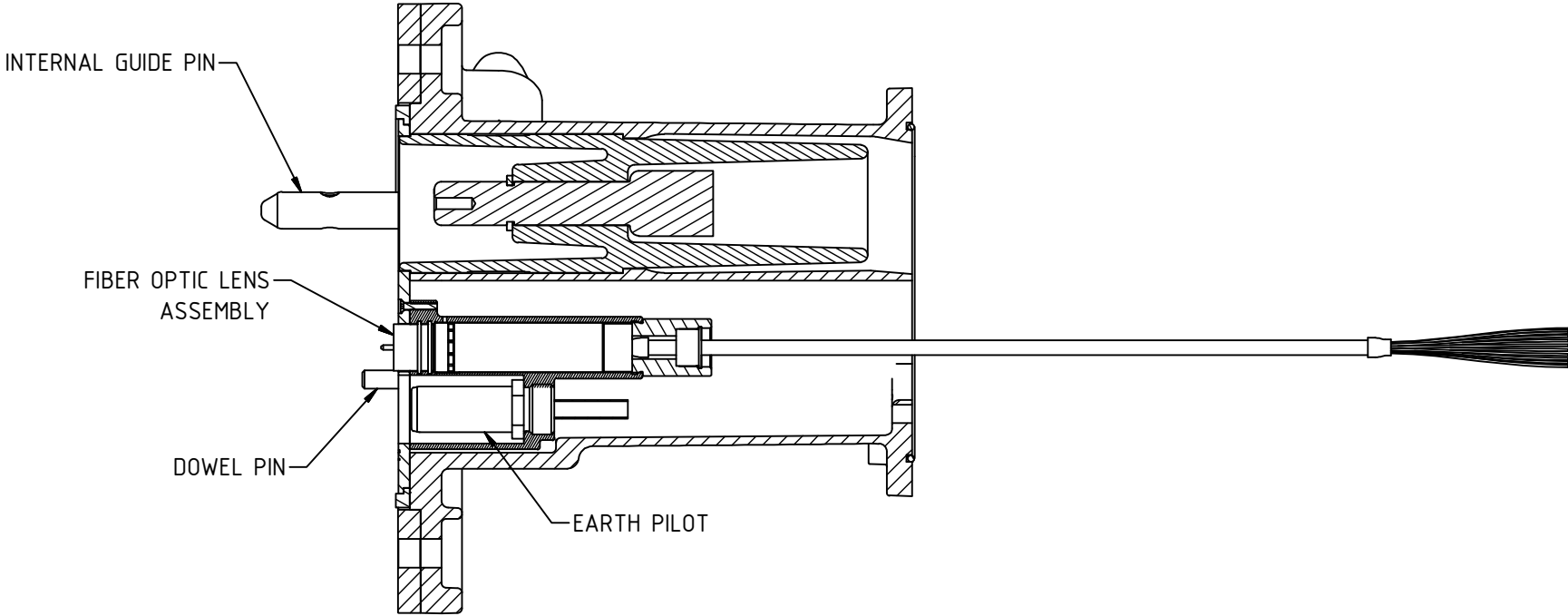
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Date: 08/08/2024

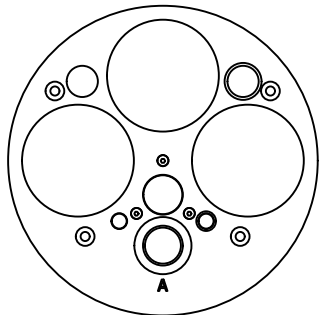
KonNx Africa (Pty) Ltd											
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DIMENSIONS (Metric-millimetre-mm) UNLESS OTHERWISE SPECIFIED		X.X X.XX		APPROVED BY C.TAYLOR		DRAWING NUMBER Ex124B_C013	PRODUCT NAME EARTHING DETAILS CUSTOMER COPY	1	20/04/2023	AC	NEW REVISION
ALL SURFACES TO UNLESS OTHERWISE NOTED				SIZE A3				REVISION NUMBER	REVISION DATE	REVISION BY	REVISION DESCRIPTION



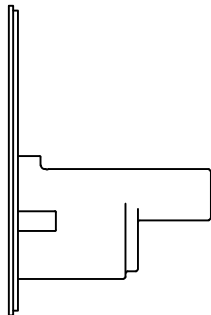
FRONT VIEW



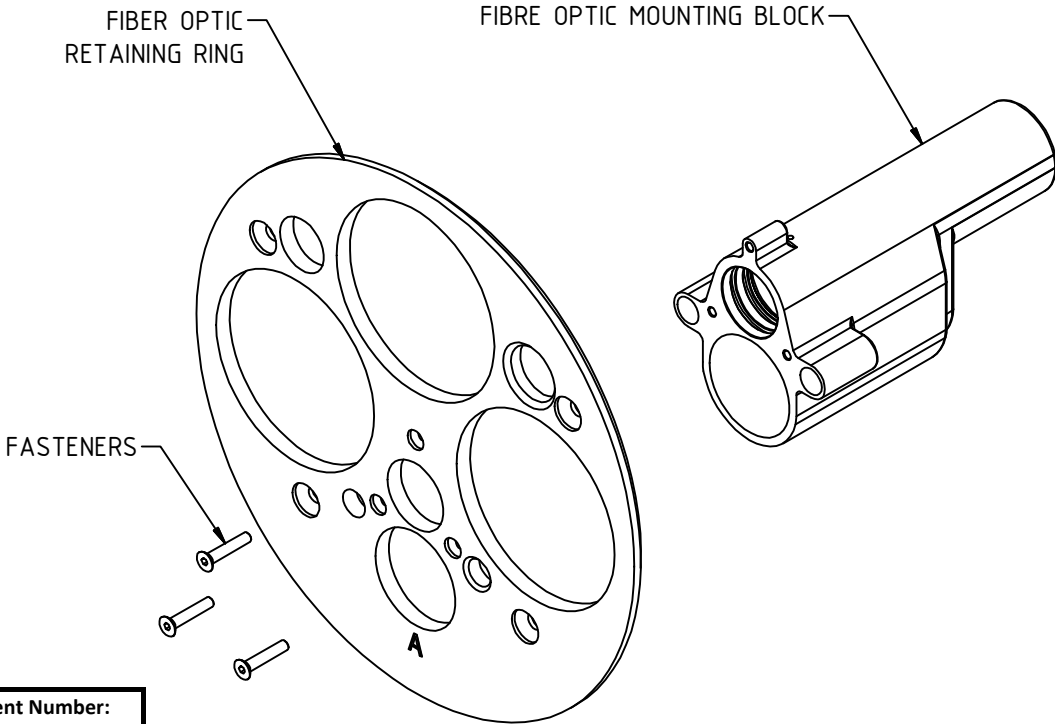
SECTION EV-EV



FRONT VIEW
FIBER OPTIC RETAINING RING



SIDE VIEW
RETAINING RING WITH
FIBER OPTIC MOUNT BLOCK



EXPLODED VIEW
RETAINING RING WITH FIBER OPTIC MOUNT