

TELEMARK 539 UHV E-Beam Source Drawings

The current version of this drawing pdf can be found at

<https://telemark.com/uhv-e-beam-sources/compact-linear-uhv-sources/>

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Reference Dimensions

E-Beam Source

1

2

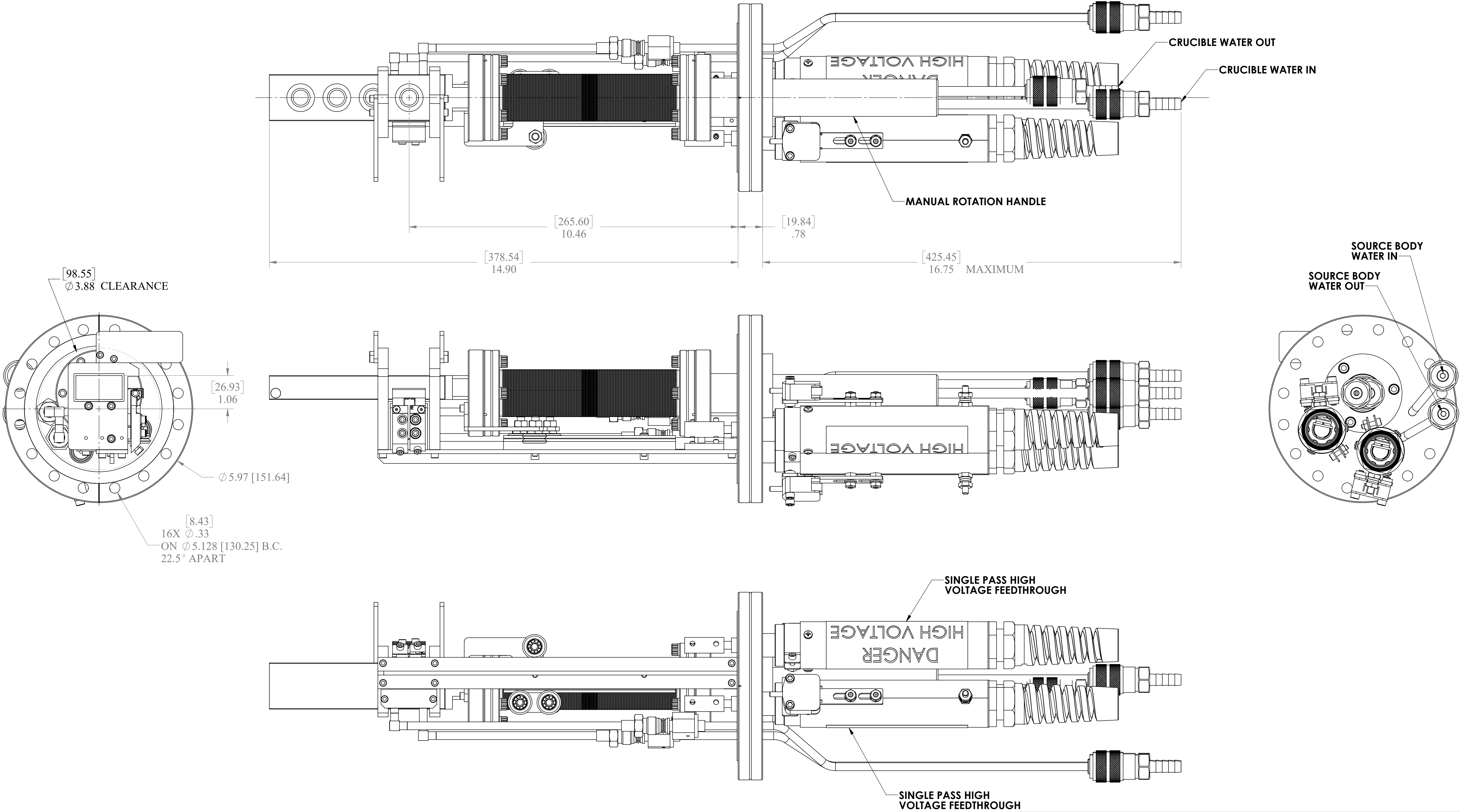
3

4

5

A B C D E F G H I

ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE	GPD	10/16/2024

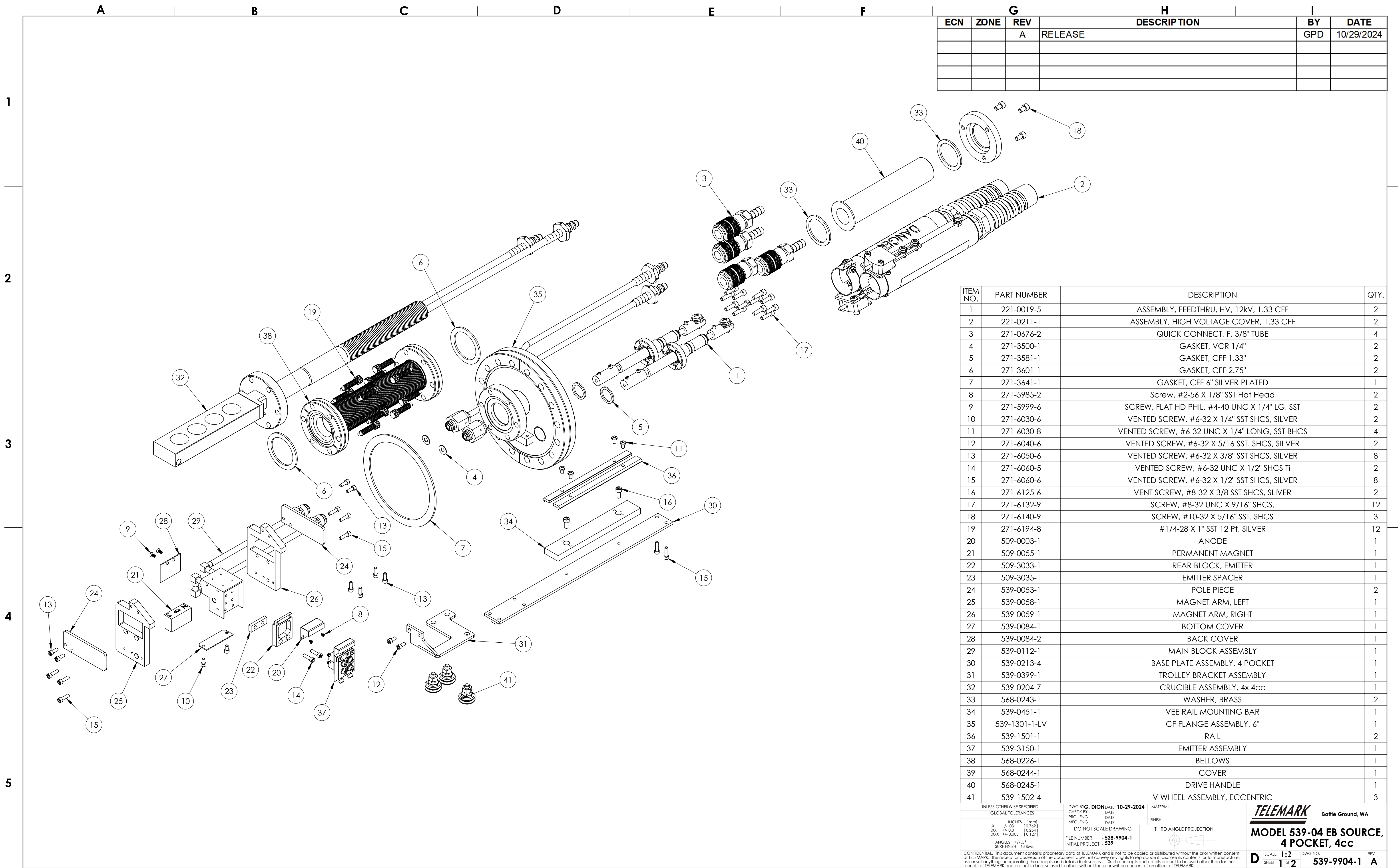


UNLESS OTHERWISE SPECIFIED GLOBAL TOLERANCES		DWG BY: G. DION DATE: 10-14-2024	MATERIAL:			
		CHECK BY: DATE	FINISH:			
INCHES [mm]		PROJ ENG DATE	THIRD ANGLE PROJECTION			
.X +/- .03 [0.762]		MFG ENG DATE				
.XX +/- 0.01 [0.254]		DO NOT SCALE DRAWING				
.XXX +/- 0.005 [0.127]		FILE NUMBER R539-0001				
ANGLES +/- .5°		INITIAL PROJECT 539				
SURF FINISH 63 RMS		CONFIDENTIAL: This document contains proprietary data of TELEMARK and is not to be copied or distributed without the prior written consent of TELEMARK. The receipt or possession of this document does not convey any rights to reproduce it, disclose its contents, or to manufacture, use or sell anything incorporating the concepts and details disclosed by it. Such concepts and details are not to be used other than for the benefit of TELEMARK and are not to be disclosed to others without the prior written consent of an officer of TELEMARK.				
TELEMARK Battle Ground, WA		MODEL 539-04 EB SOURCE, 4 POCKET, 4cc				
D	SCALE 2:3 SHEET 1 of 1	DWG NO. R539-0001	REV A			



Model Assemblies

E-Beam Sources



1

2

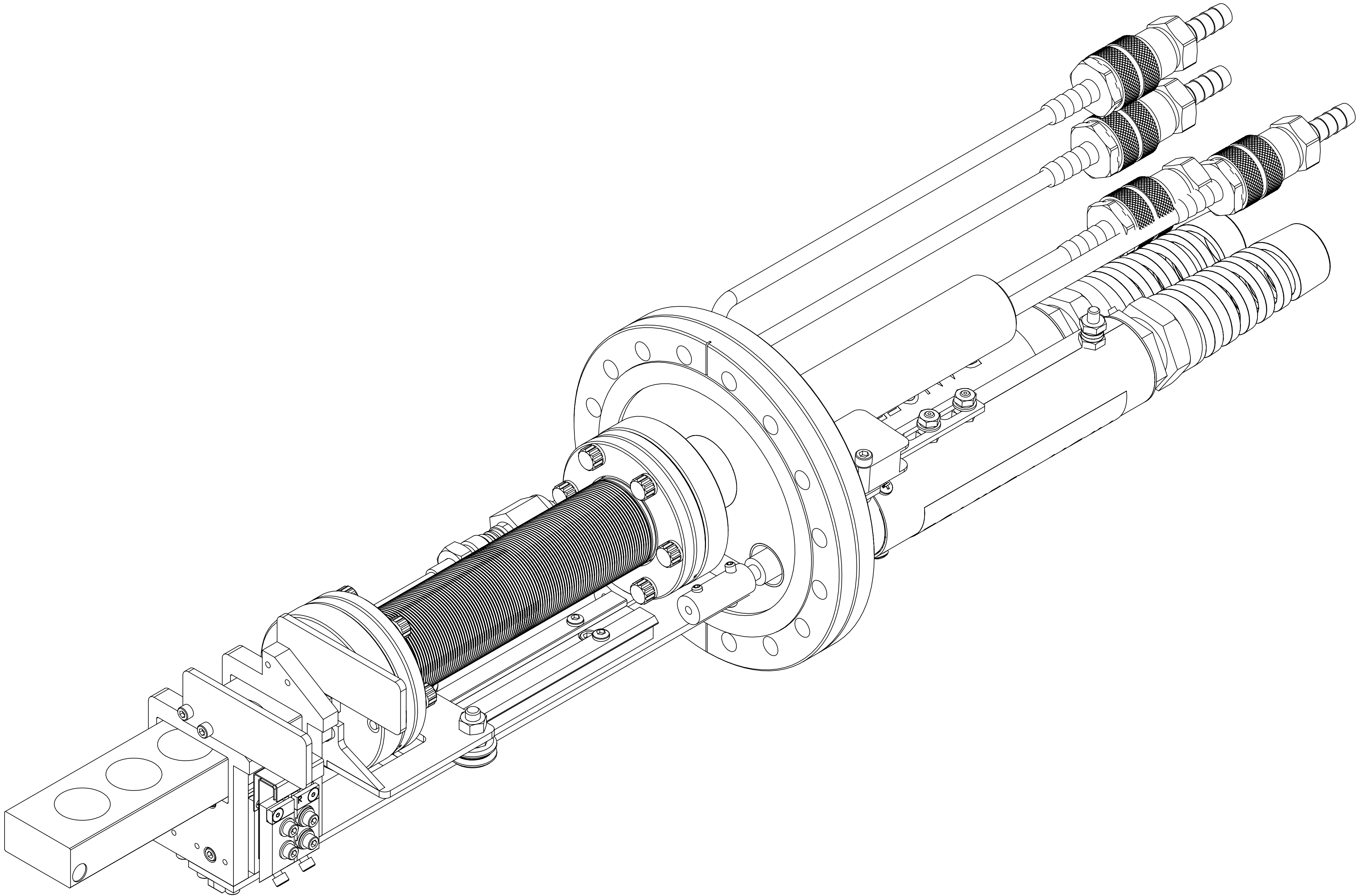
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A B C D E F G H I

ECN	ZONE	REV	DESCRIPTION	BY	DATE
			SEE SHEET 1		



UNLESS OTHERWISE SPECIFIED		DWG BY: G. DION DATE: 10-29-2024	MATERIAL:	
GLOBAL TOLERANCES		CHECK BY: DATE	FINISH:	
INCHES [mm]		PROJ ENG DATE	THIRD ANGLE PROJECTION	
.X +/- .03 [0.762]		MFG ENG DATE	DO NOT SCALE DRAWING	
.XX +/- 0.01 [0.254]		FILE NUMBER 538-9904-1	INITIAL PROJECT -	
.XXX +/- 0.005 [0.127]				
ANGLES +/- .5°				
SURF FINISH 63 RMS				

TELEMARK Battle Ground, WA

MODEL 539-04 EB SOURCE, 4 POCKET, 4cc

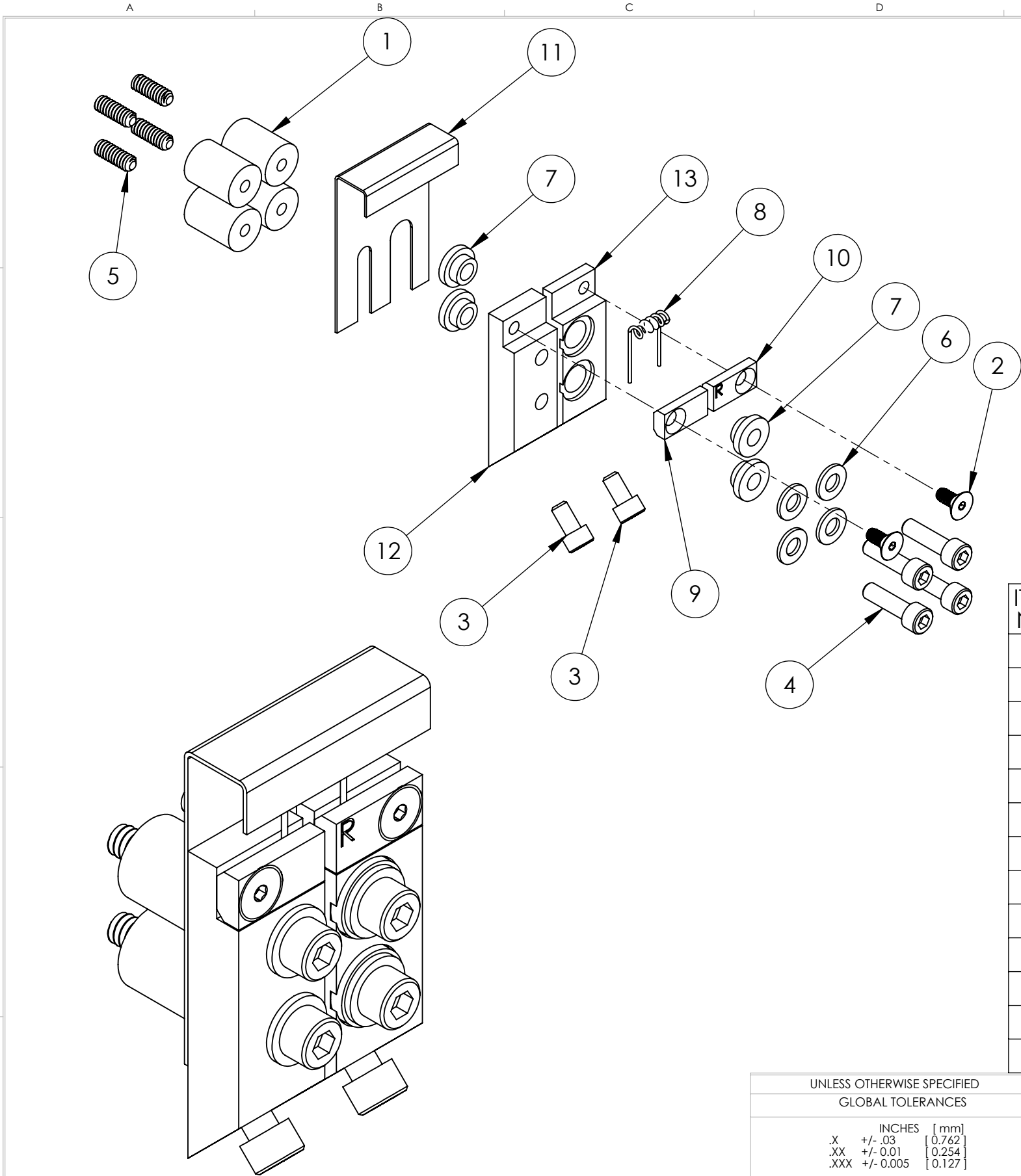
D	SCALE 1:1	DWG NO. 539-9904-1	REV A
	SHEET 2 of 2		

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Common Assemblies

E-Beam Source



ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE	GPD	10/15/2024

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	223-0010-1	HV INSULATOR	4
2	271-6006-5	Vented Screw, #4-40 X 1/4" Hex Flat Head,Ti	2
3	271-6030-1	VENTED SCREW, #6-32 UNC X 1/4" SST SHCS	2
4	271-6060-5	VENTED SCREW, #6-32 UNC X 1/2" SHCS Ti	4
5	271-6199-4	VENTED SCREW, HEX SOC SET, #6-32 UNC X 3/8" LONG, SST	4
6	271-6242-1	FLAT WASHER, #6 SST	4
7	273-0006-1	INSULATOR, COLLAR	4
8	509-0002-1	FILAMENT, 5-1/2 TURN	1
9	509-0033-1	FILAMENT CLAMP, LEFT	1
10	509-0033-2	FILAMENT CLAMP, RIGHT	1
11	509-3004-1	BEAM FORMER	1
12	539-3031-1	CATHODE BLOCK, LEFT	1
13	539-3032-1	CATHODE BLOCK, RIGHT	1

UNLESS OTHERWISE SPECIFIED
GLOBAL TOLERANCES

INCHES [mm]

.X +/- .03 [0.762]

.XX +/- 0.01 [0.254]

.XXX +/- 0.005 [0.127]

ANGLES +/- .5°

SURF FINISH 63 RMS

DWG BY **G. DION** DATE **10-15-2024**

CHECK BY DATE

PROJ ENG DATE

MFG ENG DATE

DO NOT SCALE DRAWING

FILE NUMBER - 539-3150-1

INITIAL PROJECT -

MATERIAL: SEE PARTS LIST

FINISH: SEE NOTES

THIRD ANGLE PROJECTION

TELEMARK

Battle Ground, WA

EMITTER ASSEMBLY

B

SCALE 1:1

SHEET 1 of 1

DWG NO.

539-3150-1

REV

A

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