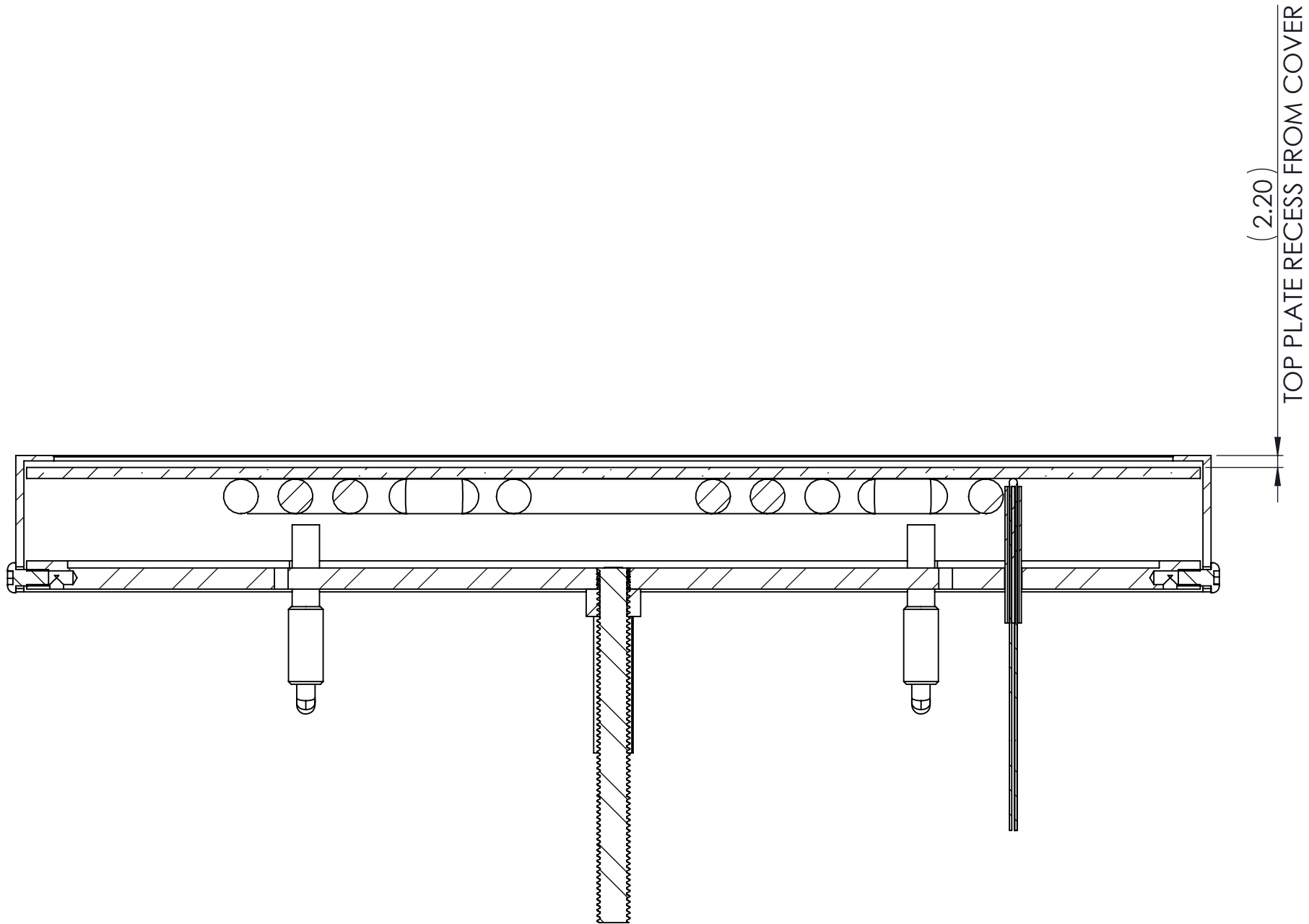
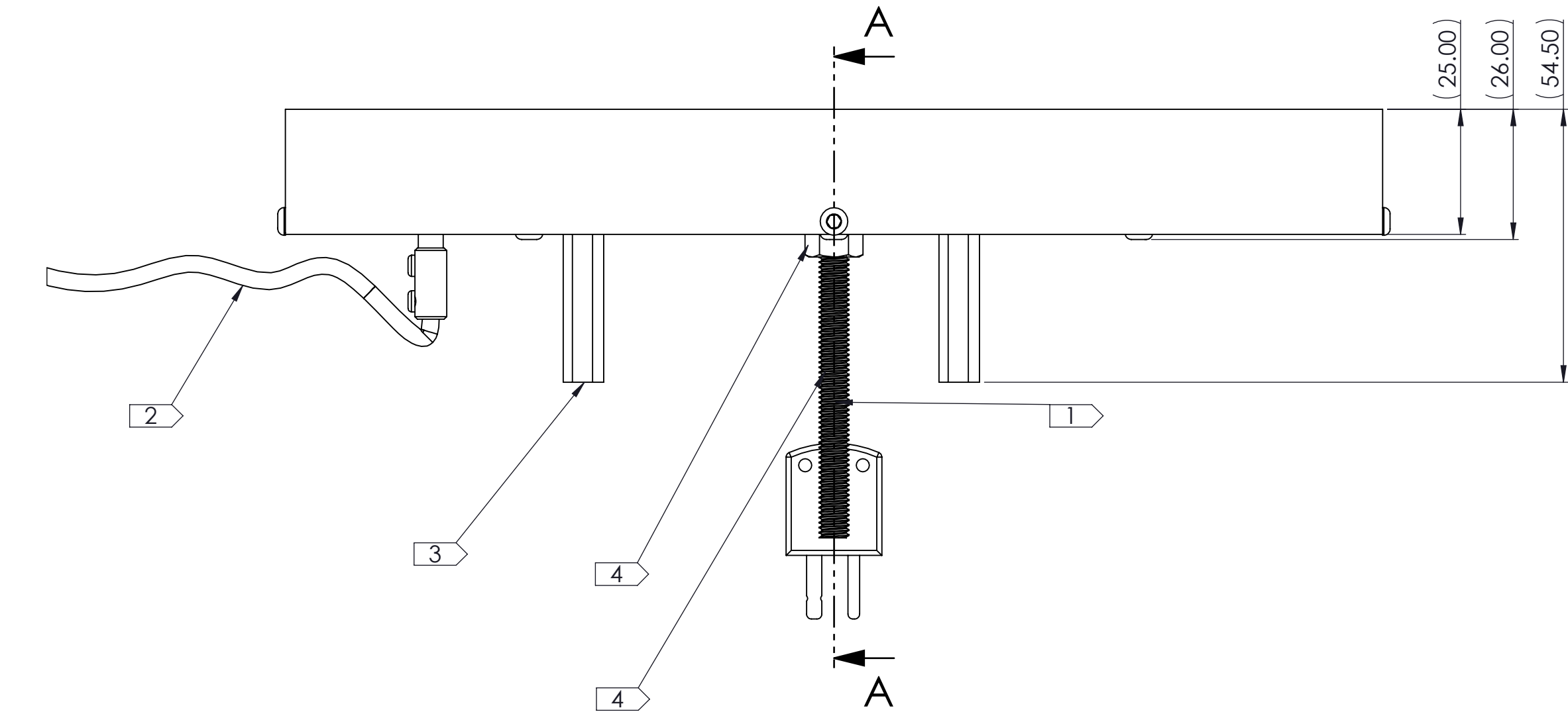
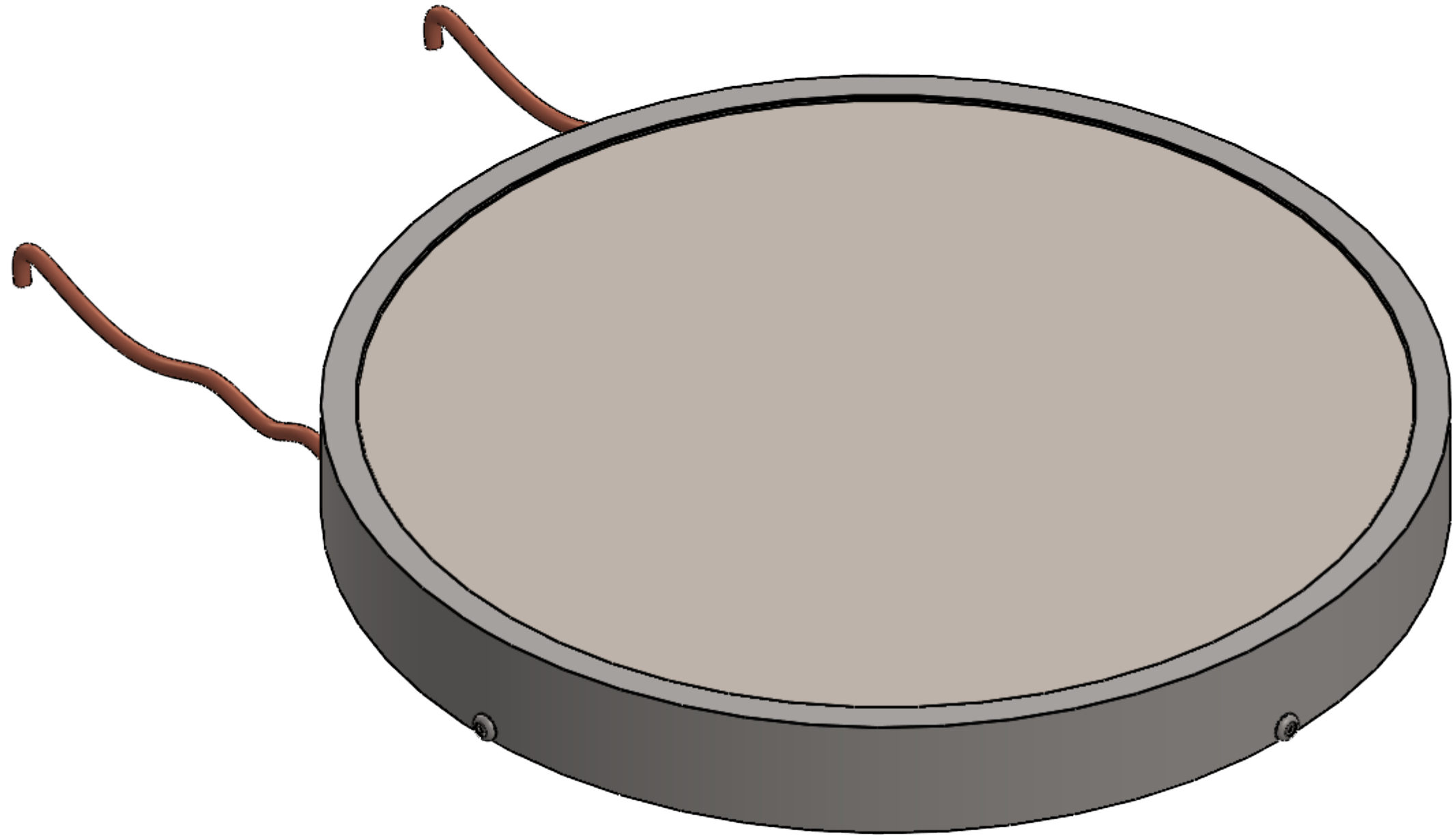
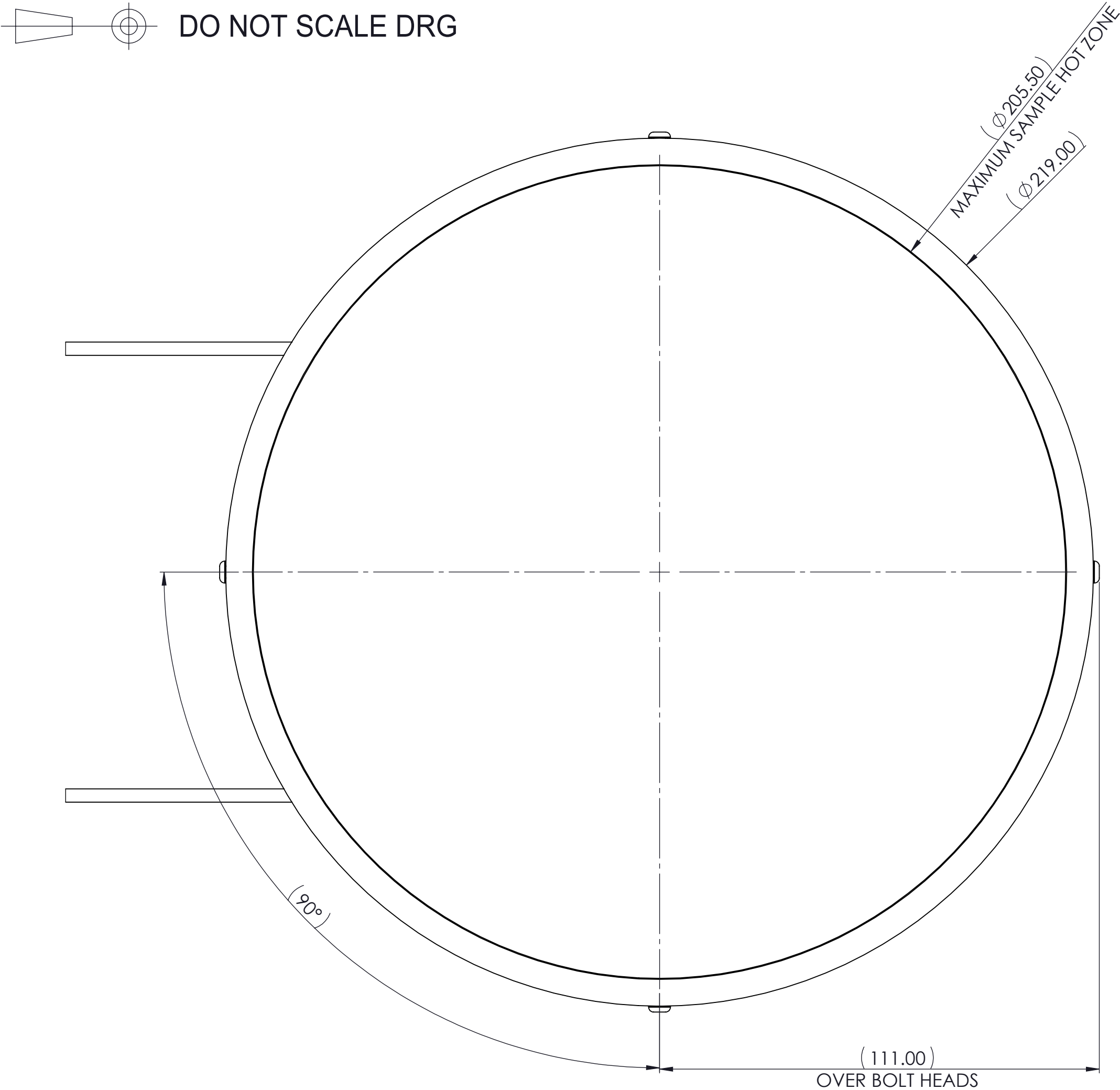


DO NOT SCALE DRG



SECTION A-A

NOTES:

- 1 - 0.5M K-TYPE THERMOCOUPLE, FIBREGLASS INSULATED
- 2 - 0.5M CERAMIC FISH SPINE BED INSULATED POWER CABLES
- 3 - BUILT WITH 3X M4 MALE TO FEMALE STANDOFFS
- 4 - M6 STUD AND NUT TO BE PACKED SEPARATELY

3	ECN0870	BS
	SUB ASSY UPDATED FOR SPLIT ELEMENT DESIGN	
NO.	REVISION DESCRIPTION	BY
©THERMIC EDGE		
NOTE: THIS DRAWING CONTAINS PROPRIETORY INFORMATION WHICH MAY NOT BE DISCLOSED TO OTHERS NOR USED FOR MANUFACTURE WITHOUT WRITTEN PERMISSION FROM THERMIC EDGE.		

DEBURR ALL SHARP EDGES ALL SURFACES TO BE FREE FROM NICKS AND SCRATCHES				
TOLERANCES (EXCEPT AS NOTED):				
DIM	UNDER 250mm	250-500mm	500-1500mm	ABOVE 1500
X =	±0.5mm	±1.0mm	±1.5mm	±2.0mm
X.X =	±0.2mm	±0.5mm	±0.75mm	±1.5mm
X.XX =	±0.1mm	±0.2mm	±0.4mm	±0.75mm

HEATER SPECIFICATION

HEATER/STAGE DETAILS

HEATER TYPE:	NICKEL CHROME
TOP PLATE TEMPERATURE:	800°C MAX
ENVIRONMENT:	HIGH VACUUM, O2, INERT
ELEMENT:	NiCr
THERMOCOUPLE:	TYPE 'K'
UNIFORMITY:	N/A
SUBSTRATE:	N/A
LEAK RATE:	N/A

ELECTRICAL

HEATER COLD RESISTANCE:	APPROX. 34.7Ω
RAMP RATE:	40°C MIN
POWER REQUIREMENTS:	APPROX. 190V 6A
CABLE LENGTH & INSULATION:	0.5M THERMOCOUPLE FIBREGLASS INSULATED, 0.5M COPPER POWER CABLE CERAMIC FISH SPINE INSULATED (NOT SHOWN)

COOLING

WATER COOLING:	N/A N/A
GAS COOLING:	N/A

EXTRAS

ROTATION SPEED:	N/A
BIAS TYPE & POWER:	N/A
TRAVEL DISTANCE:	N/A
ADDITIONAL EXTERNAL HEAT SHIELDING:	N/A

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Vacuum Heating Technology

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EAST SUSSEX
TN38 9RT
UNITED KINGDOM

SCALE: 1:1	DRAWN: GW	CHECKED: PB	PAGE 1 OF 1
A1	DATE: 20 Aug 24	DATE: 04 Jun 26	
TITLE: 8 INCH NICR HEATER WITH M4 MALE TO FEMALE STANDOFFS			
DWG NO: HCM6-NCR-08-GA			REVISION: 2