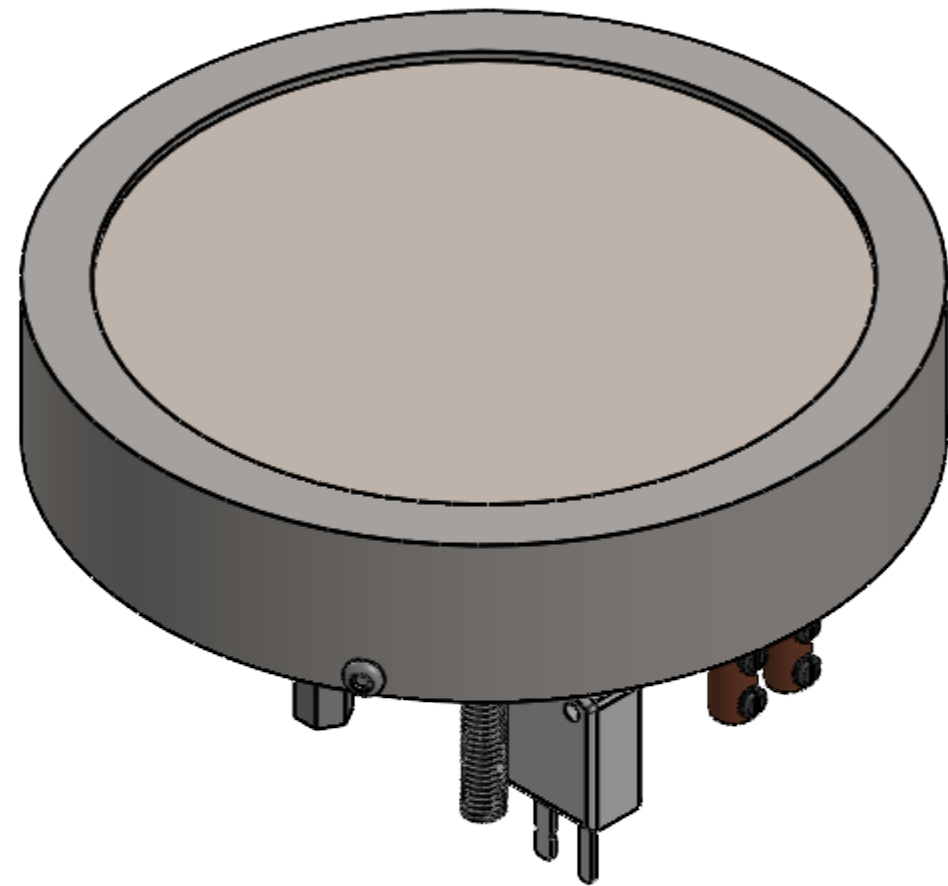
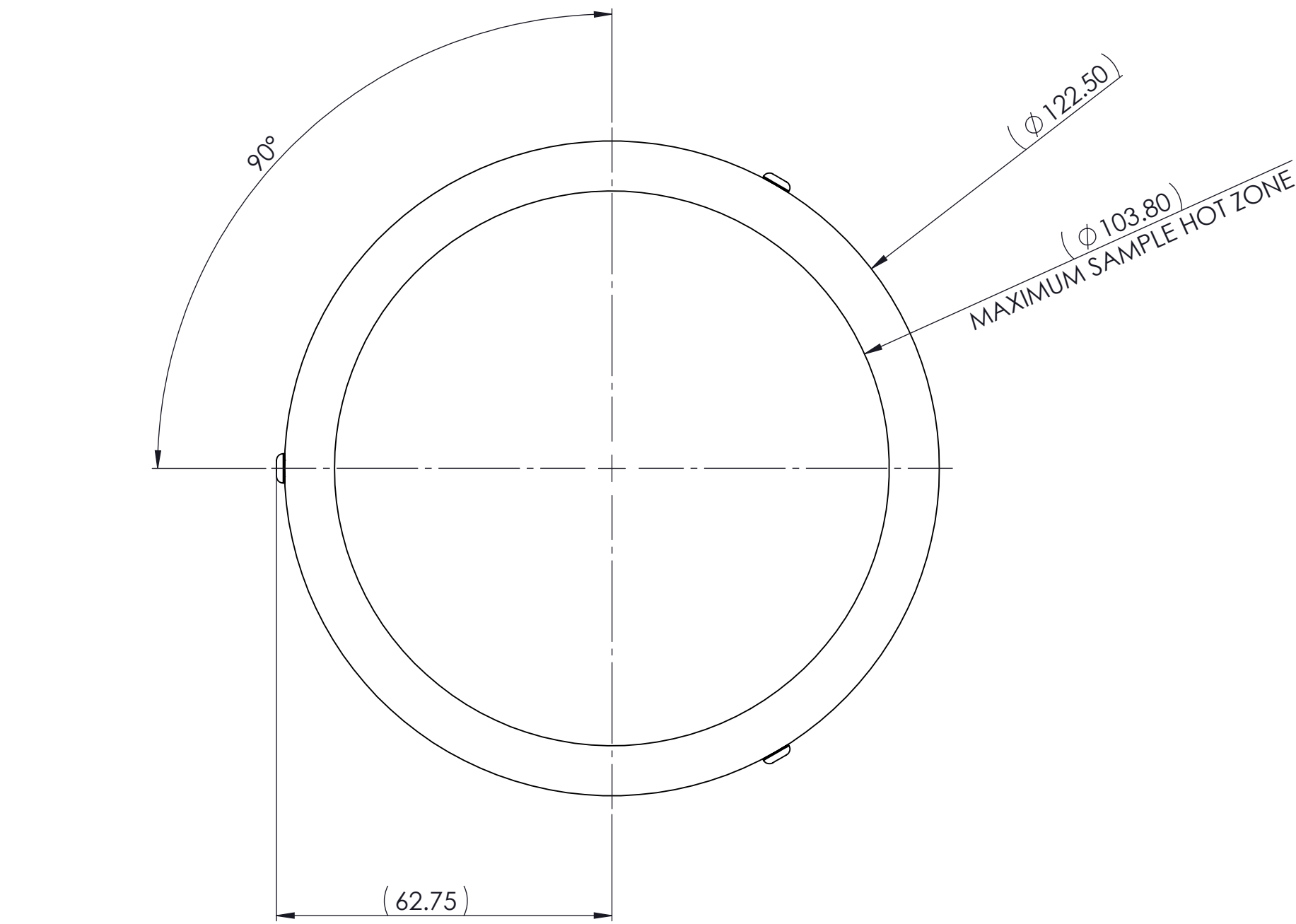
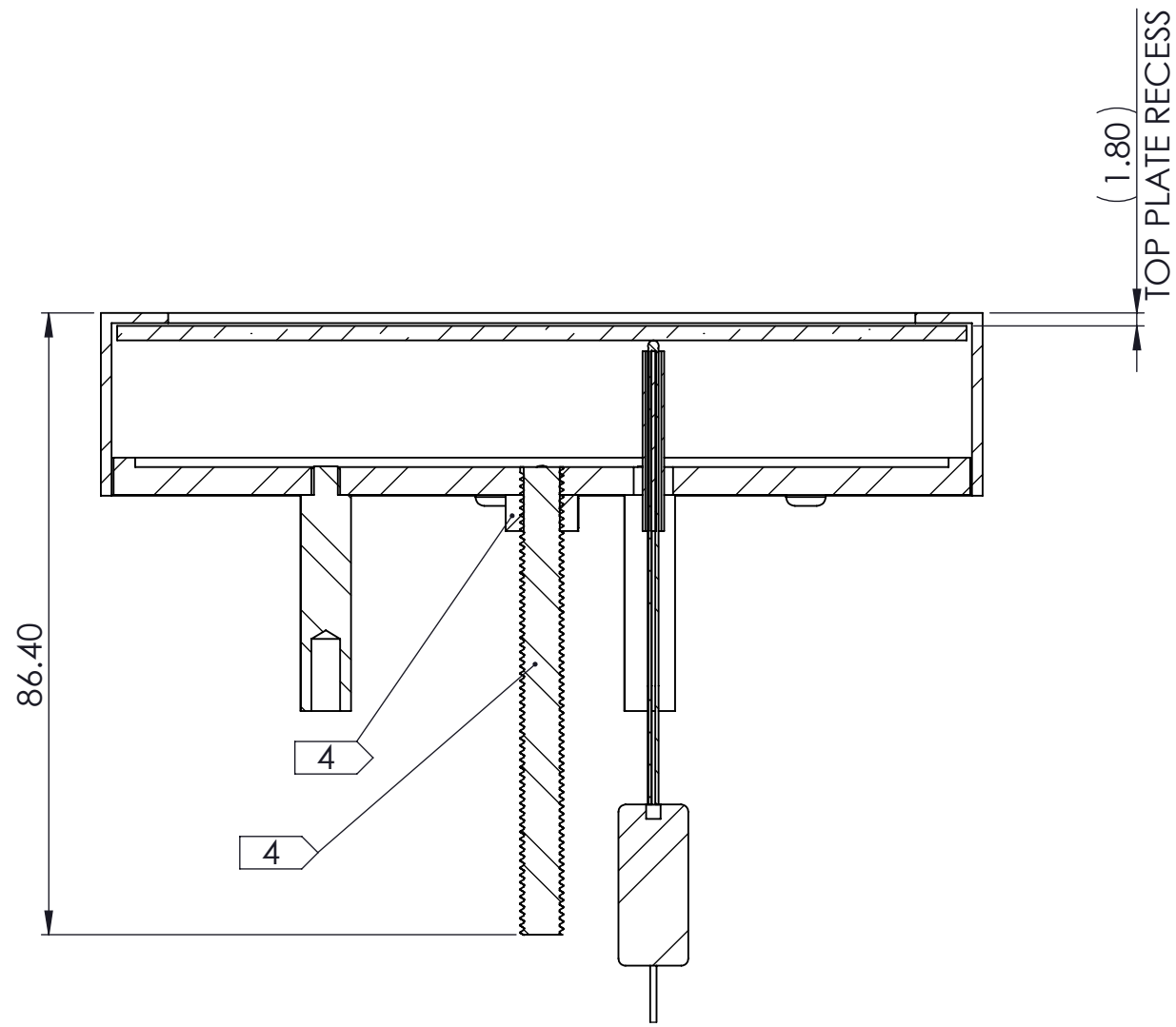
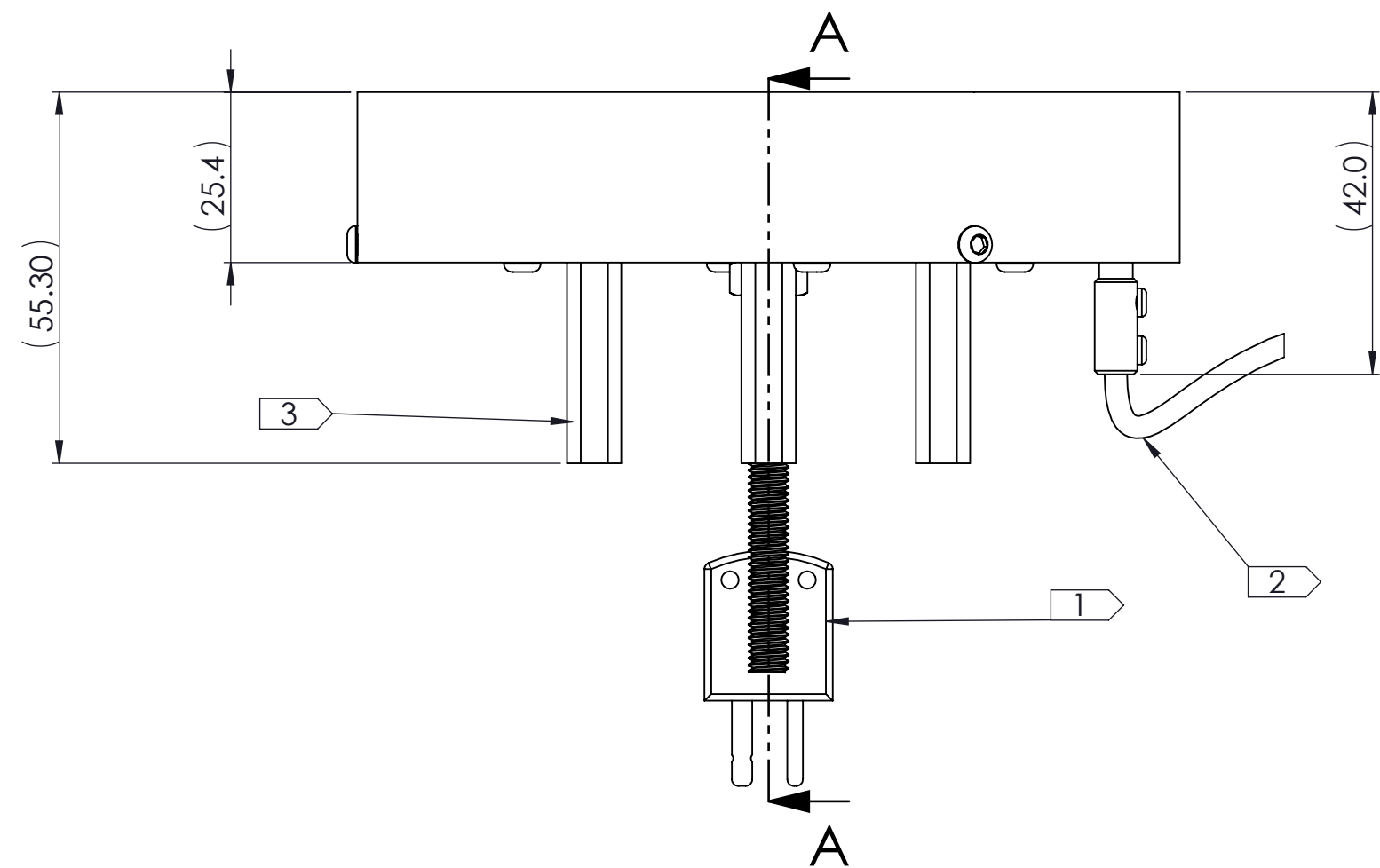




ISO VIEW



SECTION A-A

HEATER SPECIFICATION

HEATER/STAGE DETAILS

HEATER TYPE:	Nickel Chrome
TOP PLATE TEMPERATURE:	800°C
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. 10.9 Ω
RAMP RATE:	50°C / MIN
POWER REQUIREMENTS:	APPROX. 67V, 7A
CABLE LENGTH & INSULATION:	THERMOCOUPLE FIBREGLASS SLEEVE INSULATED, COPPER POWER CABLES CERAMIC FISH SPINE BEAD INSULATED (NOT SHOWN)

COOLING

WATER COOLING:	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

NOTES:

- 1 THERMOCOUPLE 0.5M
- 2 0.5M COPPER POWER CABLES
- 3 BUILT WITH 3X M4 STANDOFFS
- 4 M6 STUD AND M6 NUT TO BE PACKED SEPARATELY

5	ECN 0848	BS	DEBURR ALL SHARP EDGES ALL SURFACES TO BE FREE FROM NICKS AND SCRATCHES			
	Heater case hot zone modified to suit range		TOLERANCES (EXCEPT AS NOTED):			
				ANGULAR: ± 30'		
			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		

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SCALE: 1:1	DRAWN: GW	CHECKED: PB	PAGE 1 OF 1
A1	DATE: 05 Aug 24	DATE: 01 Sep 25	
TITLE: 4 INCH NICR HEATER WITH M4 MALE TO FEMALE STANDOFFS			
DWG NO: HCM6-NCR-04-GA			REVISION: 5