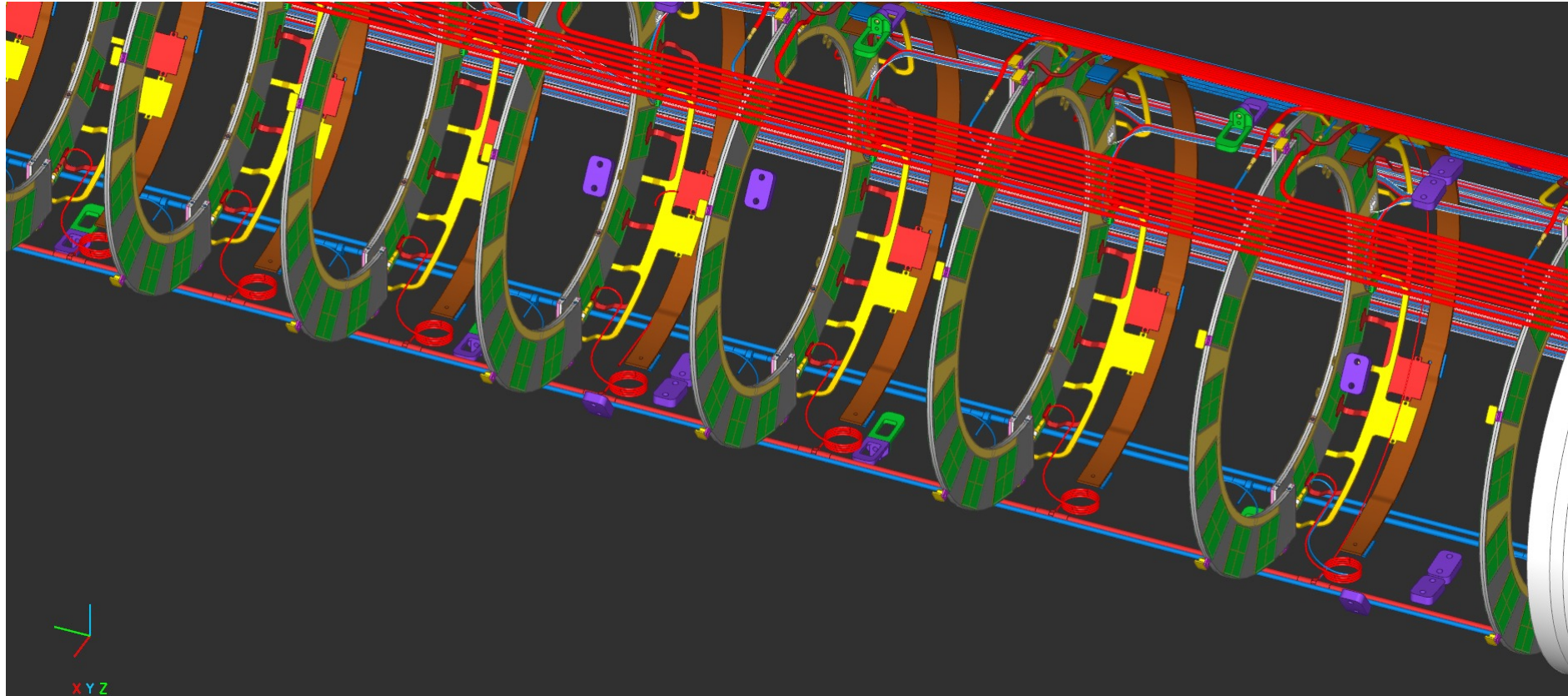

INLET CO₂ COOLING LINE

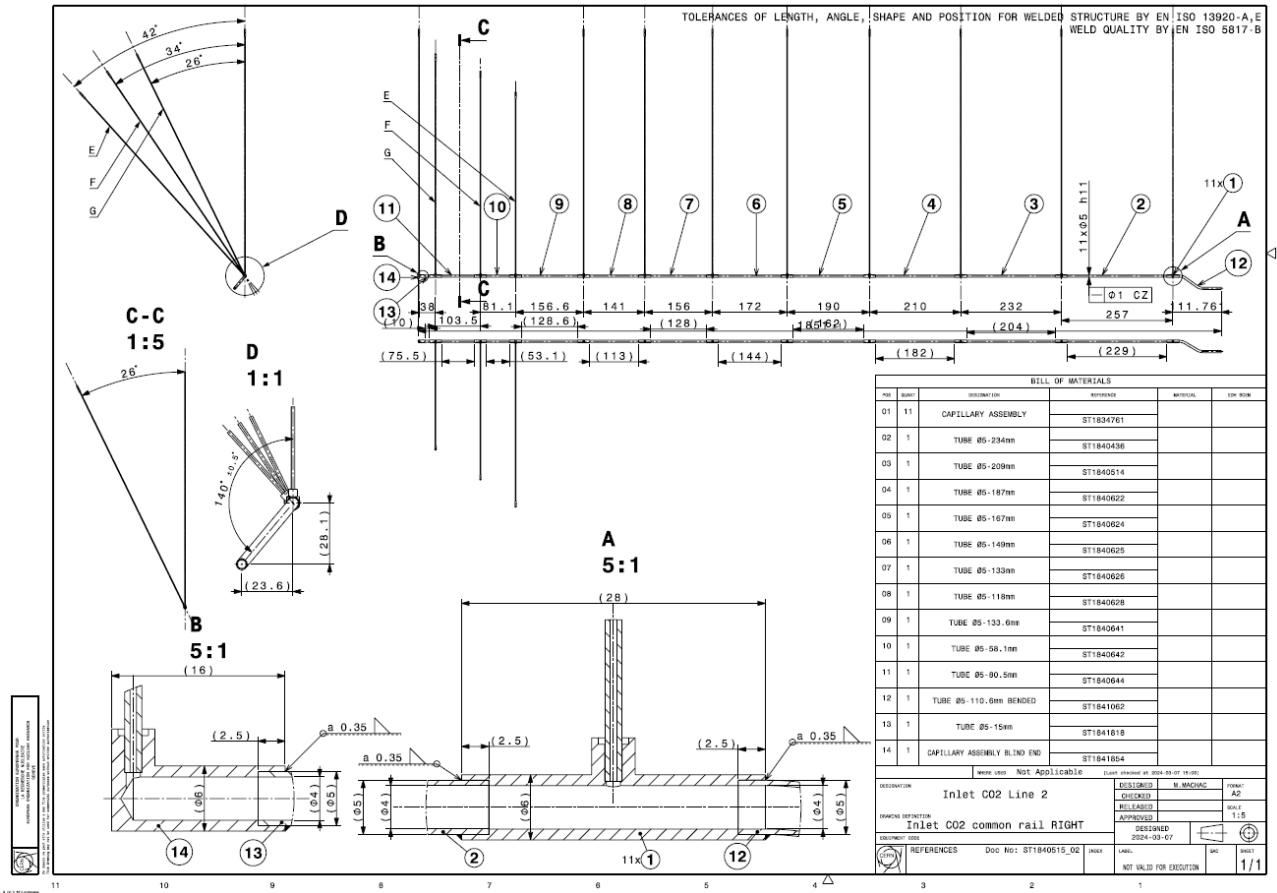
Martin MACHAČ, Danilo GIUGNI

08 May 2024

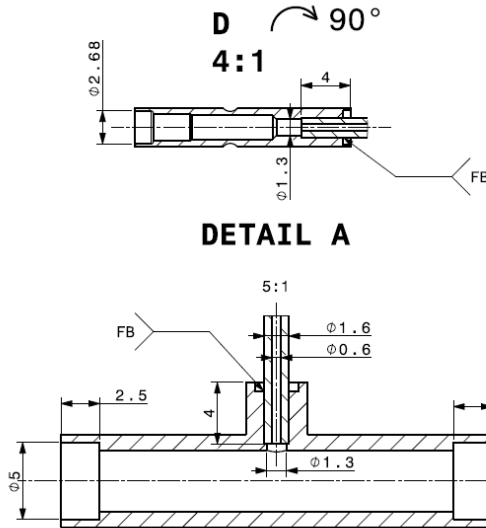
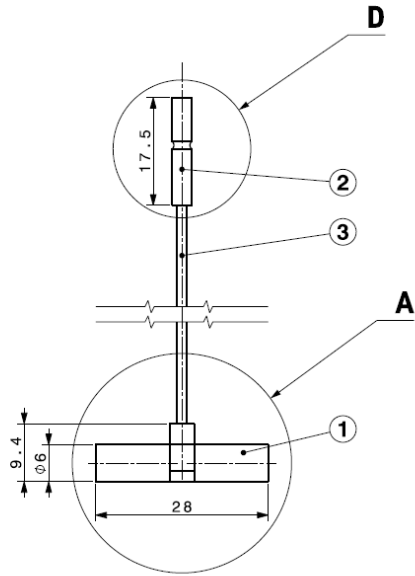
The inlet CO2 cooling rail



The inlet CO2 cooling line assembly

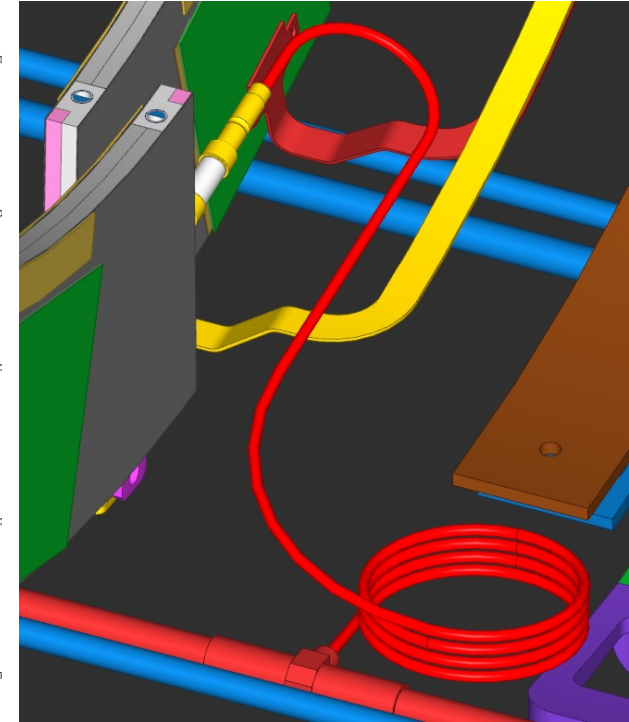


The capillary assembly

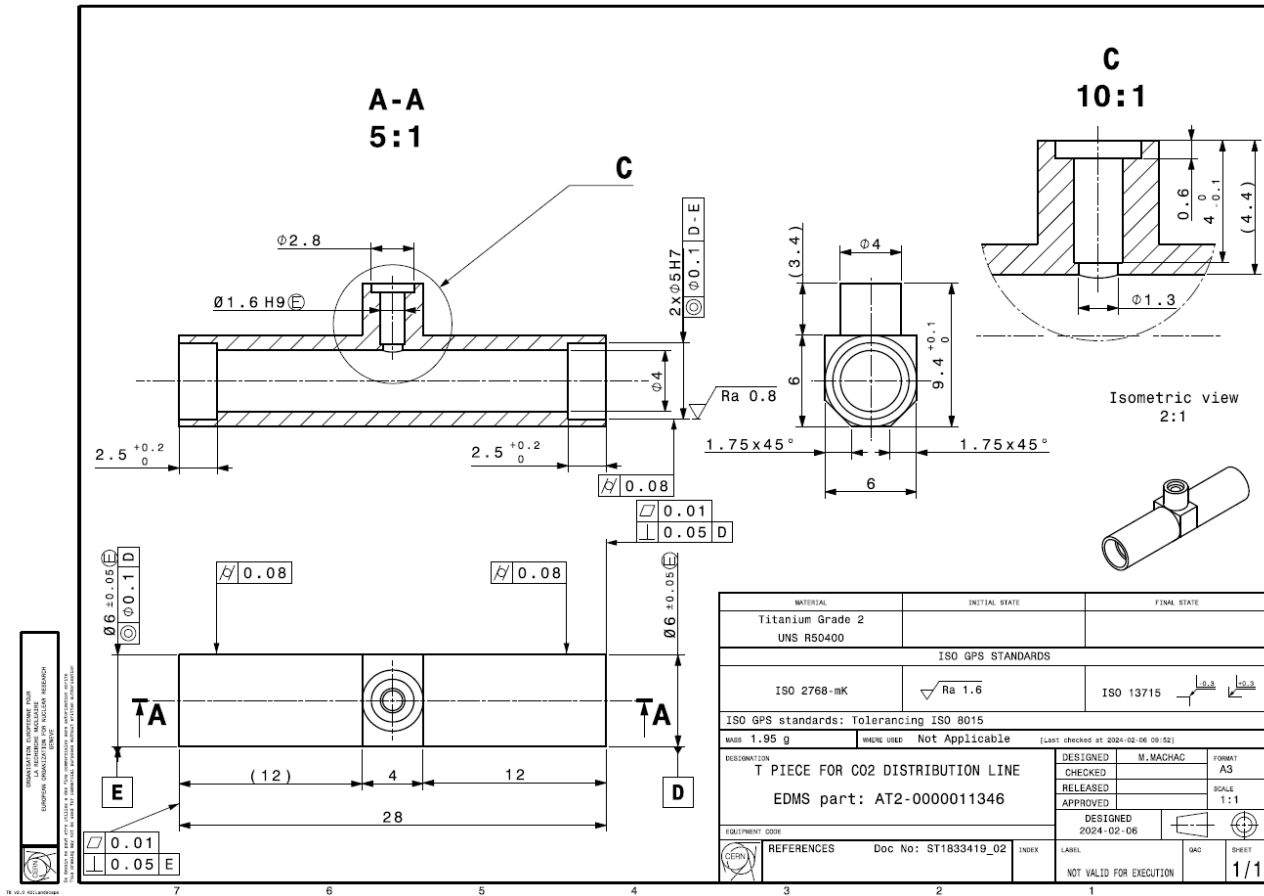


BILL OF MATERIALS					
POB	QUANT	DESIGNATION	REFERENCE	MATERIAL	EDM SCOP
01	1	T PIECE FOR CO2 DISTRIBUTION LINE	ST1833419	Titanium Grade 2 UNS R50400	
02	1	CAPILLARY WELD SLEEVE	ST1834077	Titanium Grade 2 UNS R50400	
03	1	CAPILLARY	ST1834800	Titanium Grade 2 UNS R50400	
		WHERE USED	Not Applicable (Last checked at 2024-02-09 14:08)		
DESIGNATION			DESIGNED	M. MACHAC	FORMAT
CAPILLARY ASSEMBLY			CHECKED		A3
EDMS part: AT2-0000011314			RELEASED		SCALE
			APPROVED		2:1
			DESIGNED	2024-02-09	
EQUIPMENT CODE	REFERENCES	Doc No: ST1834761_02	INDEX	LABEL	QAC
					SHEET
				NOT VALID FOR EXECUTION	1/1

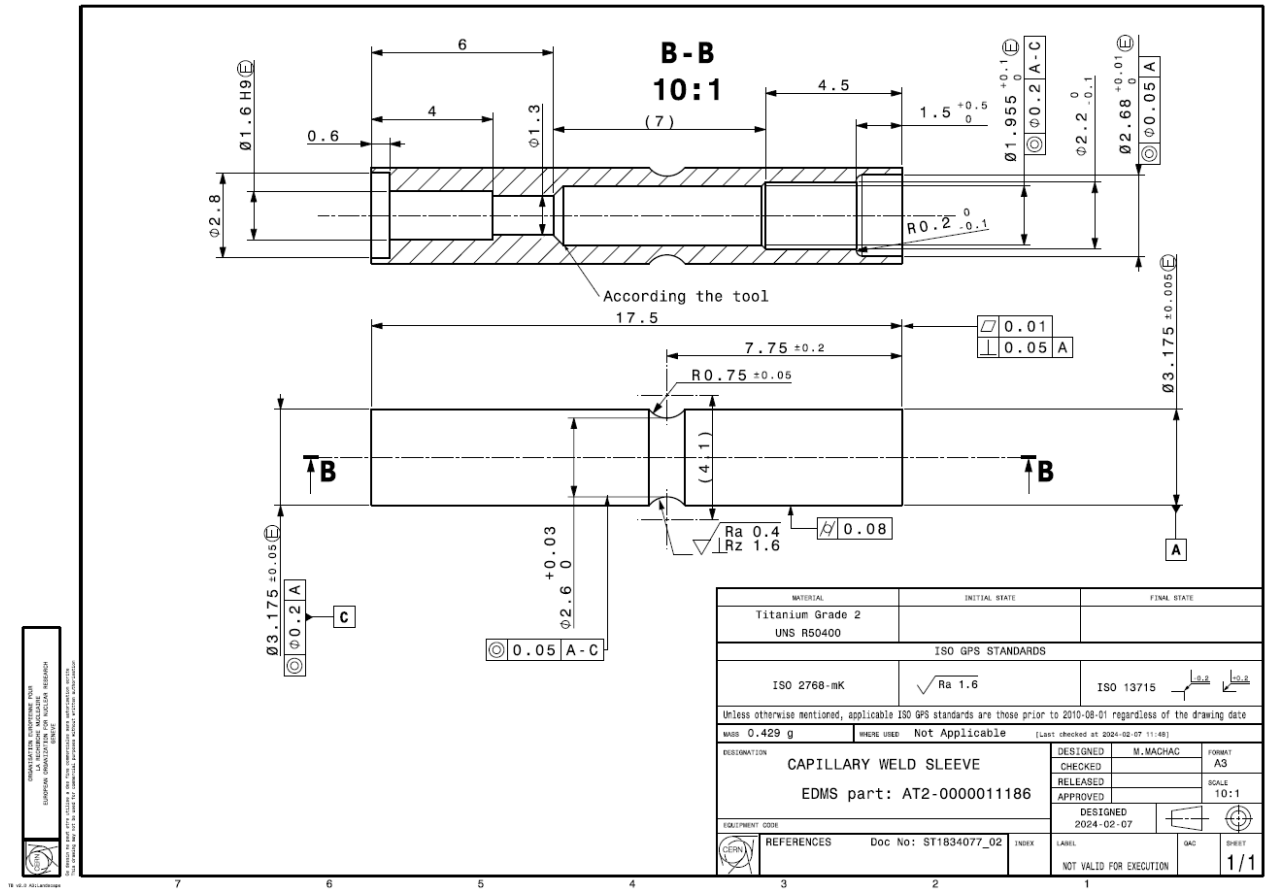
According to the pressure drop testing, capillary length will be specified for L4, L3, and L2 in the future.
 Preliminary lengths:
 Layer 4: 209 mm
 Layer 3: 293 mm
 Layer 2: 553 mm



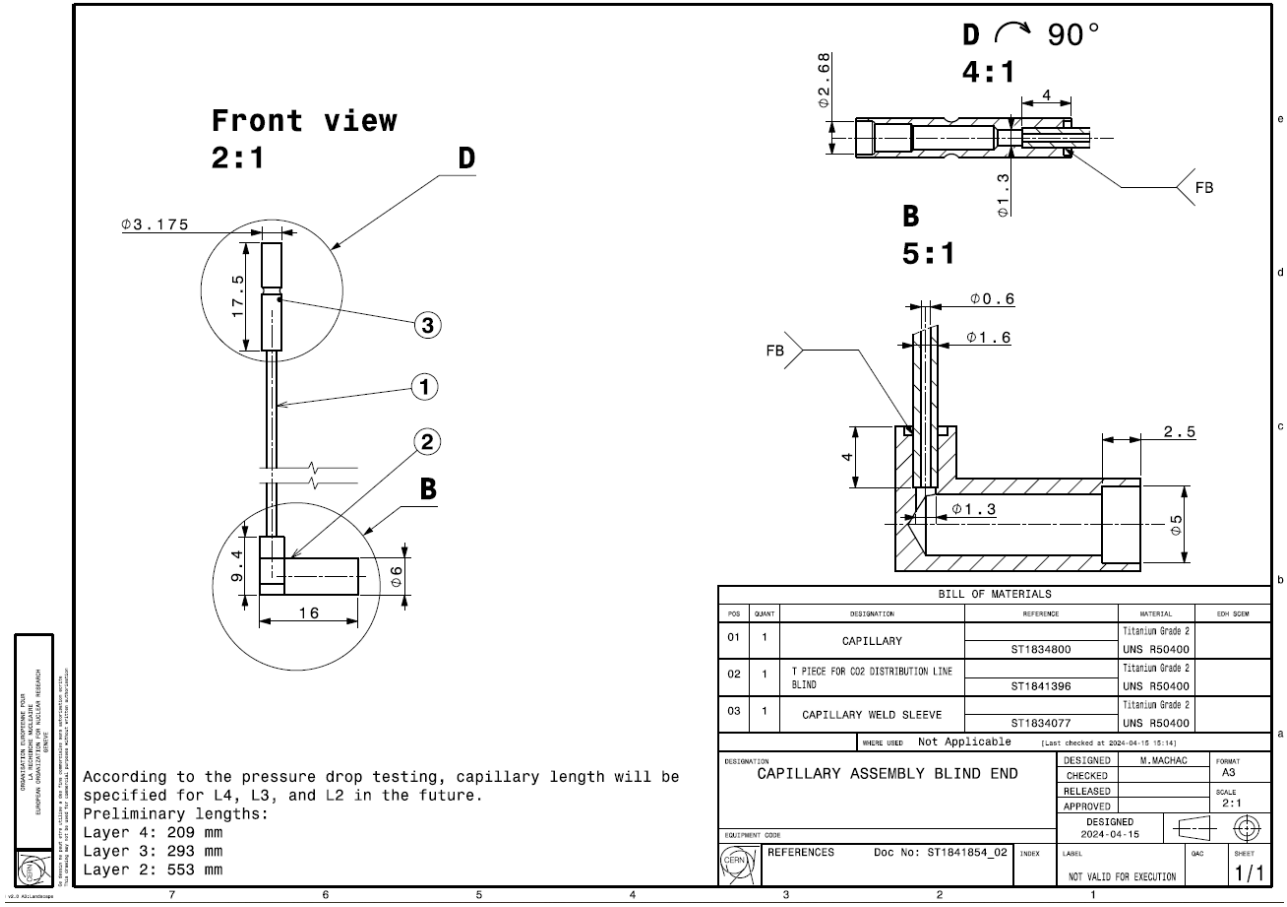
The T piece for CO2 distribution line



The capillary weld sleeve

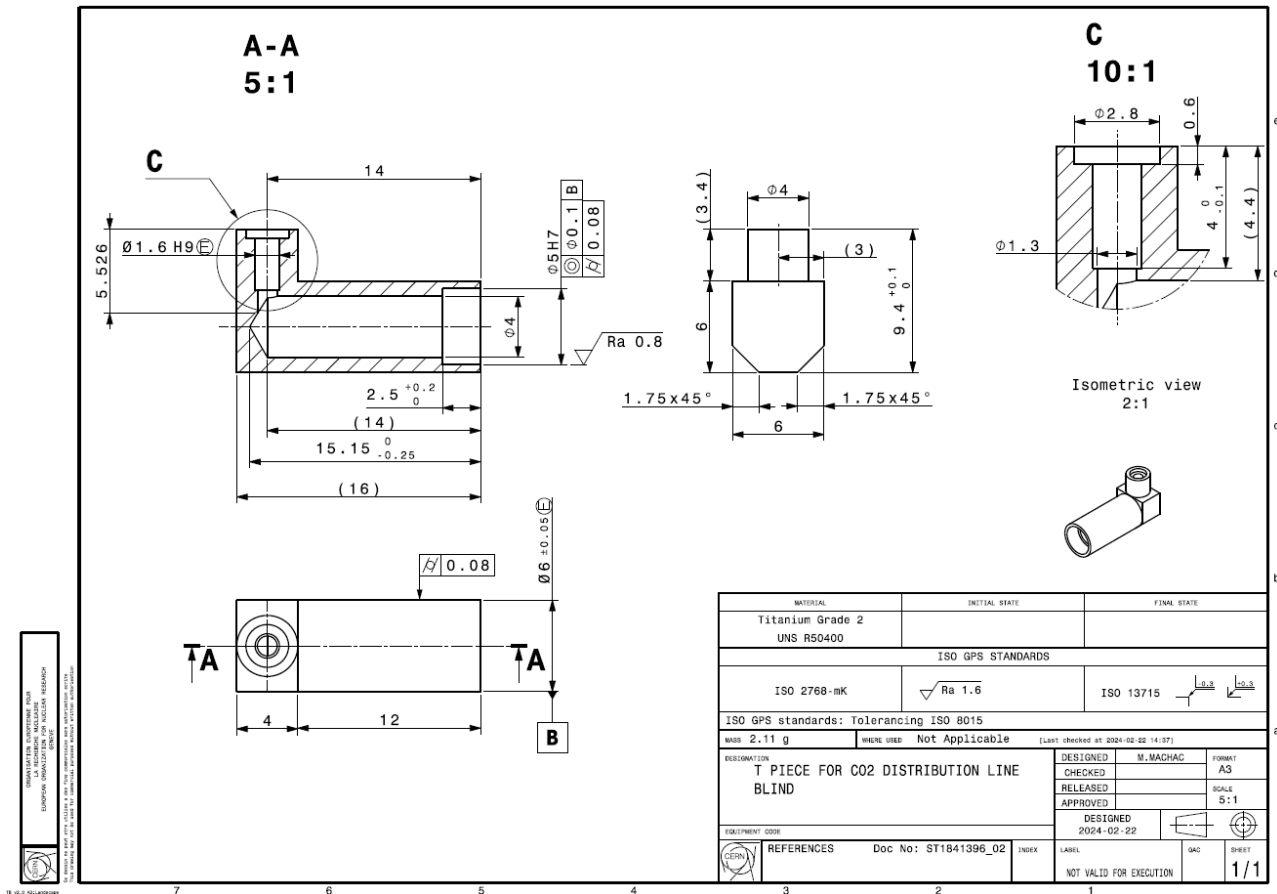


The capillary assembly with the blind end

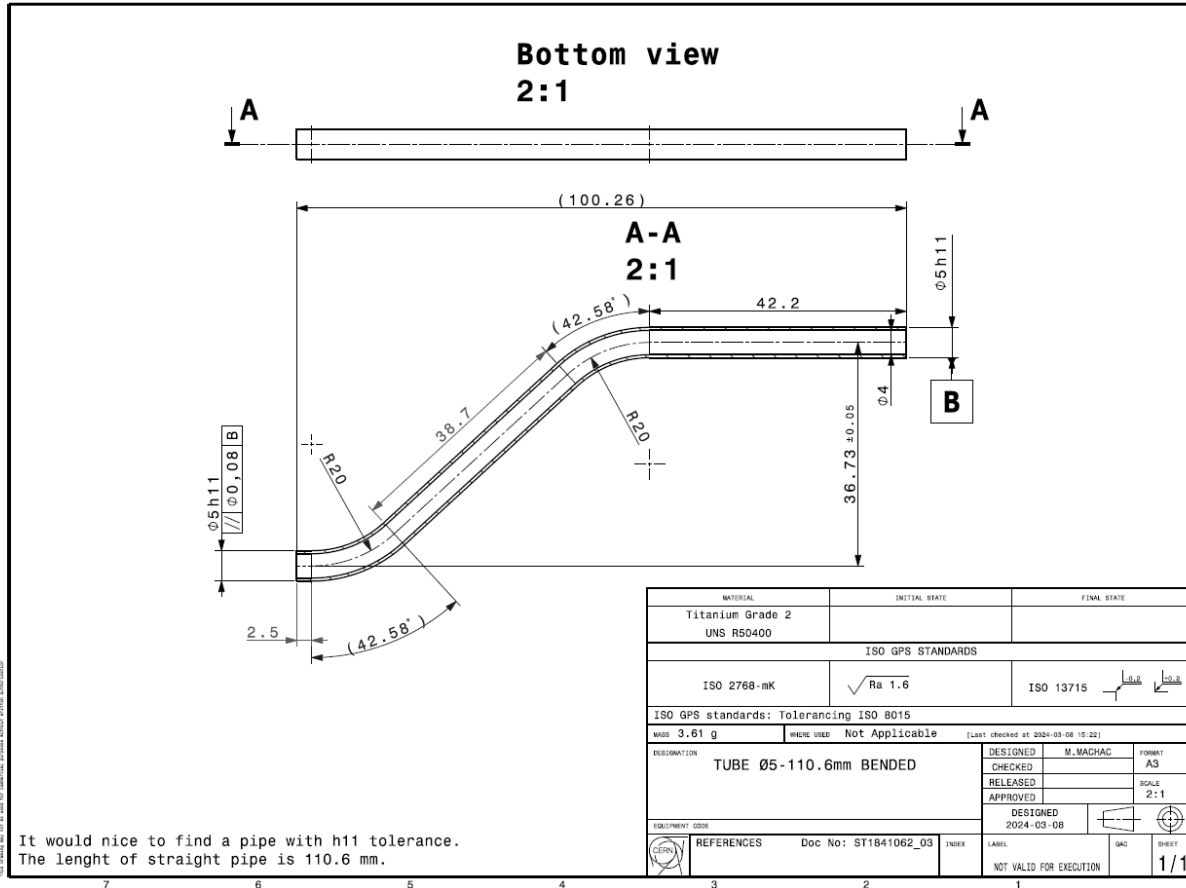


According to the pressure drop testing, capillary length will be specified for L4, L3, and L2 in the future.
 Preliminary lengths:
 Layer 4: 209 mm
 Layer 3: 293 mm
 Layer 2: 553 mm

The T piece for CO2 distribution line the blind one



The bent CO2 tube



The CO2 tubes

