
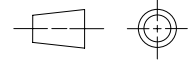
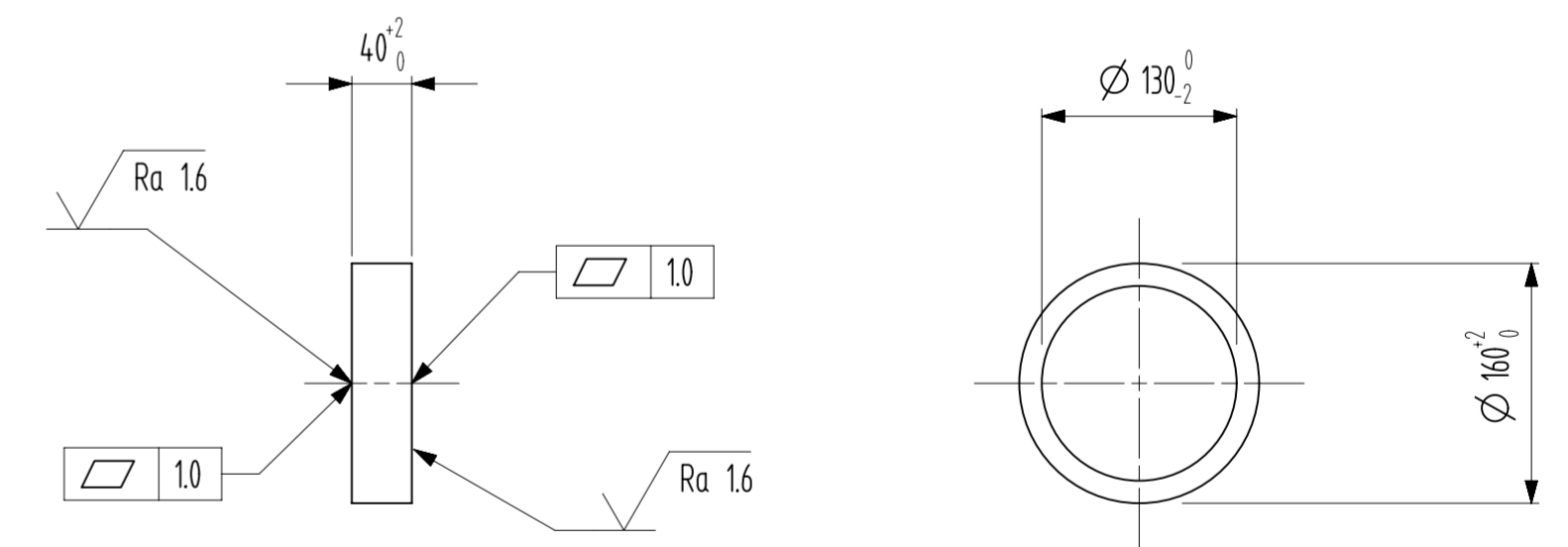
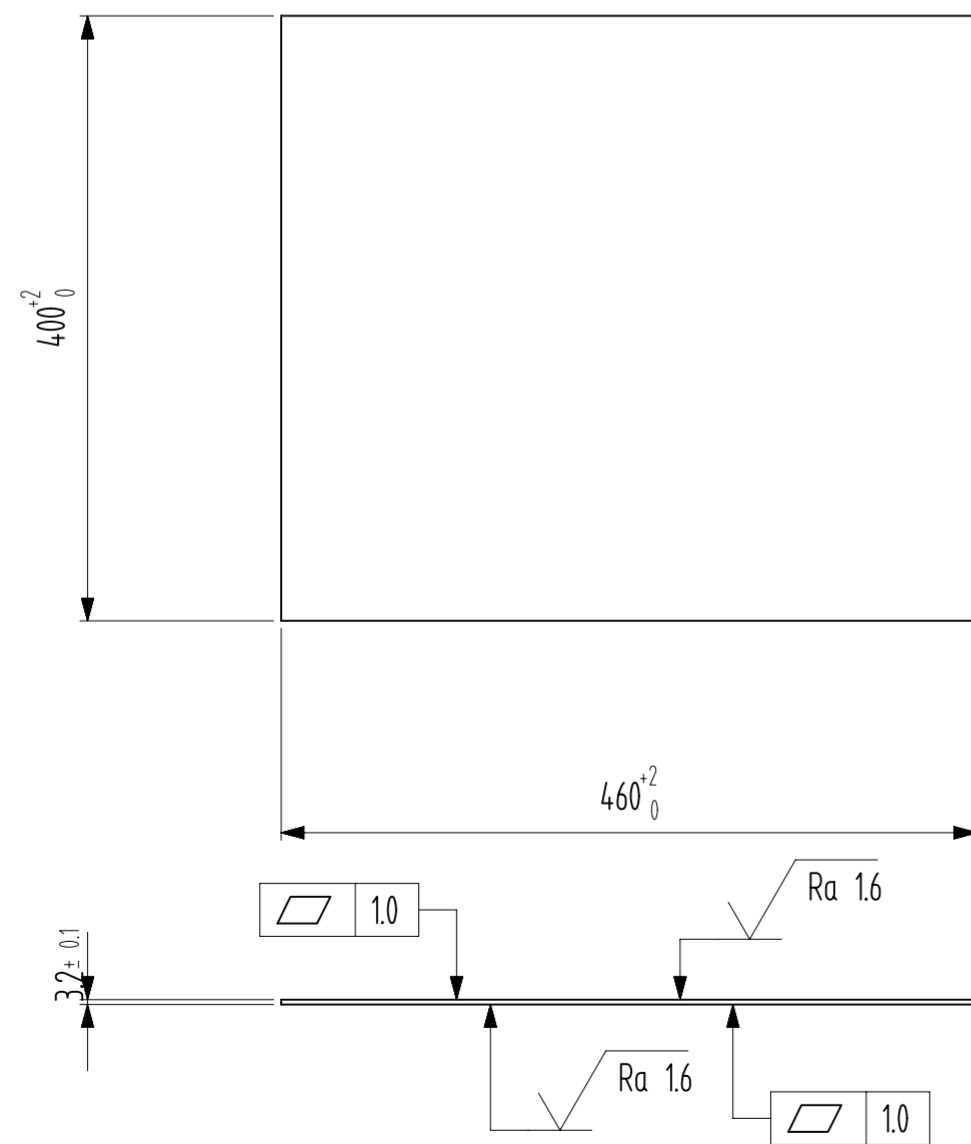
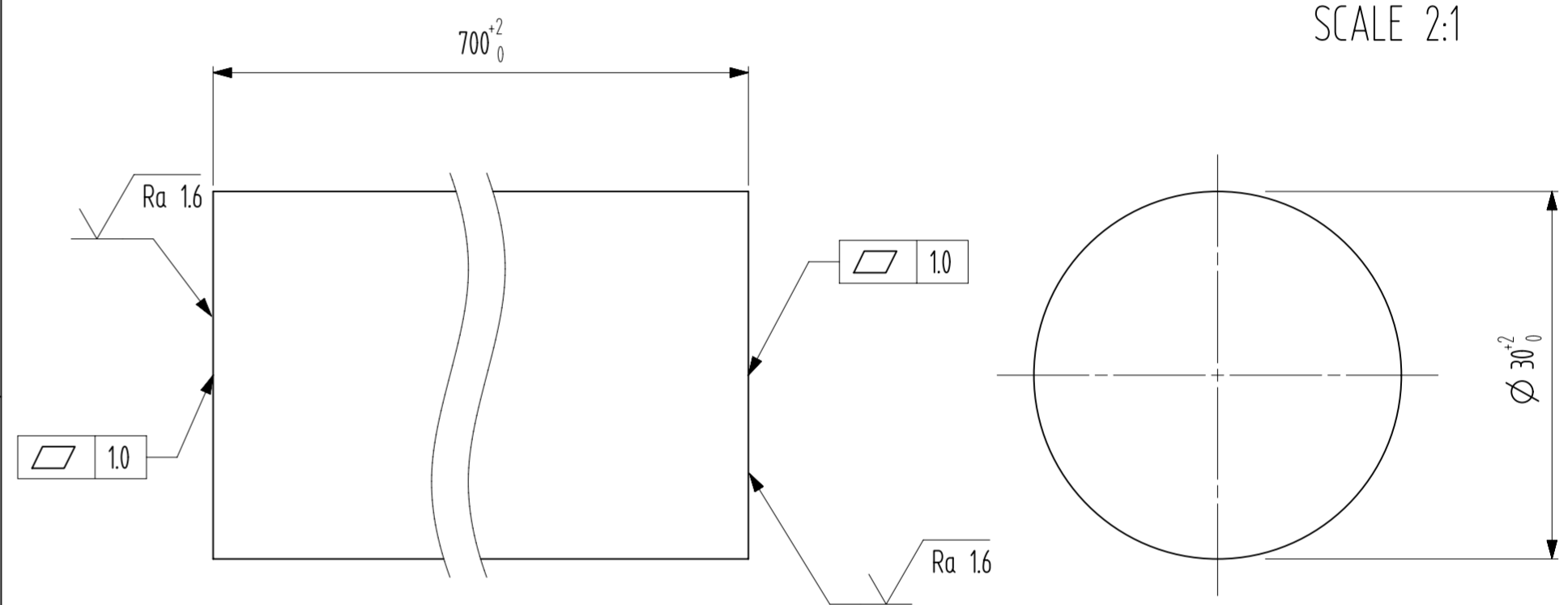
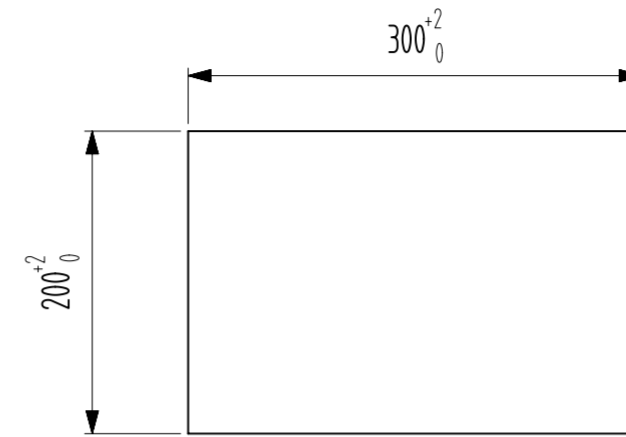
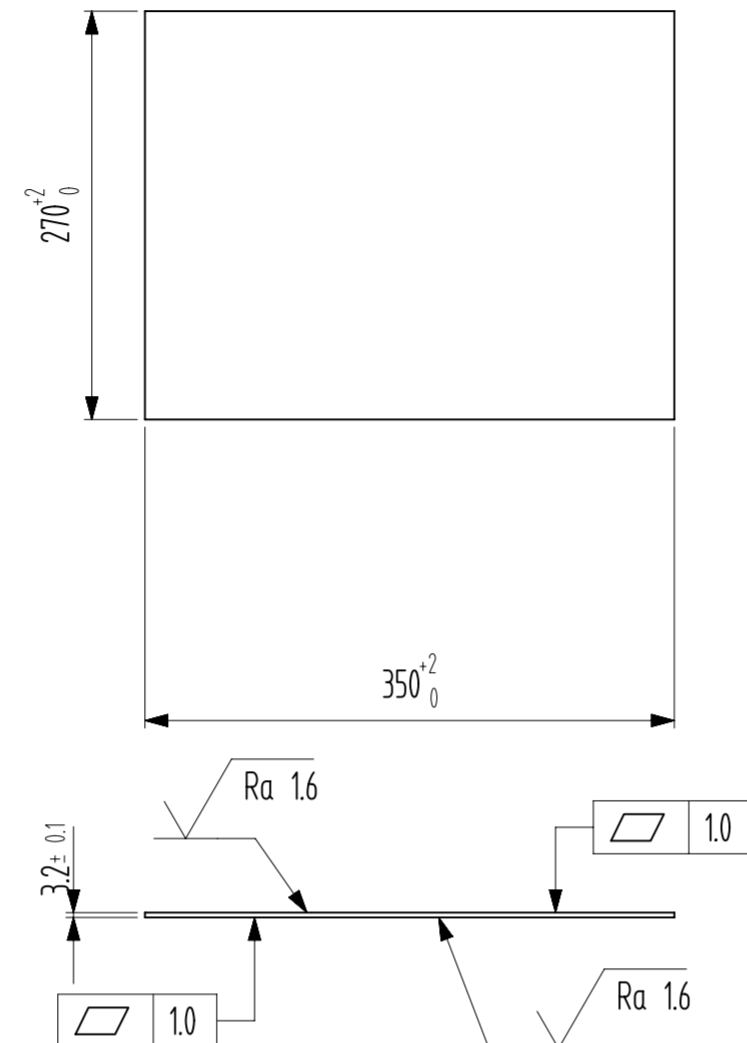
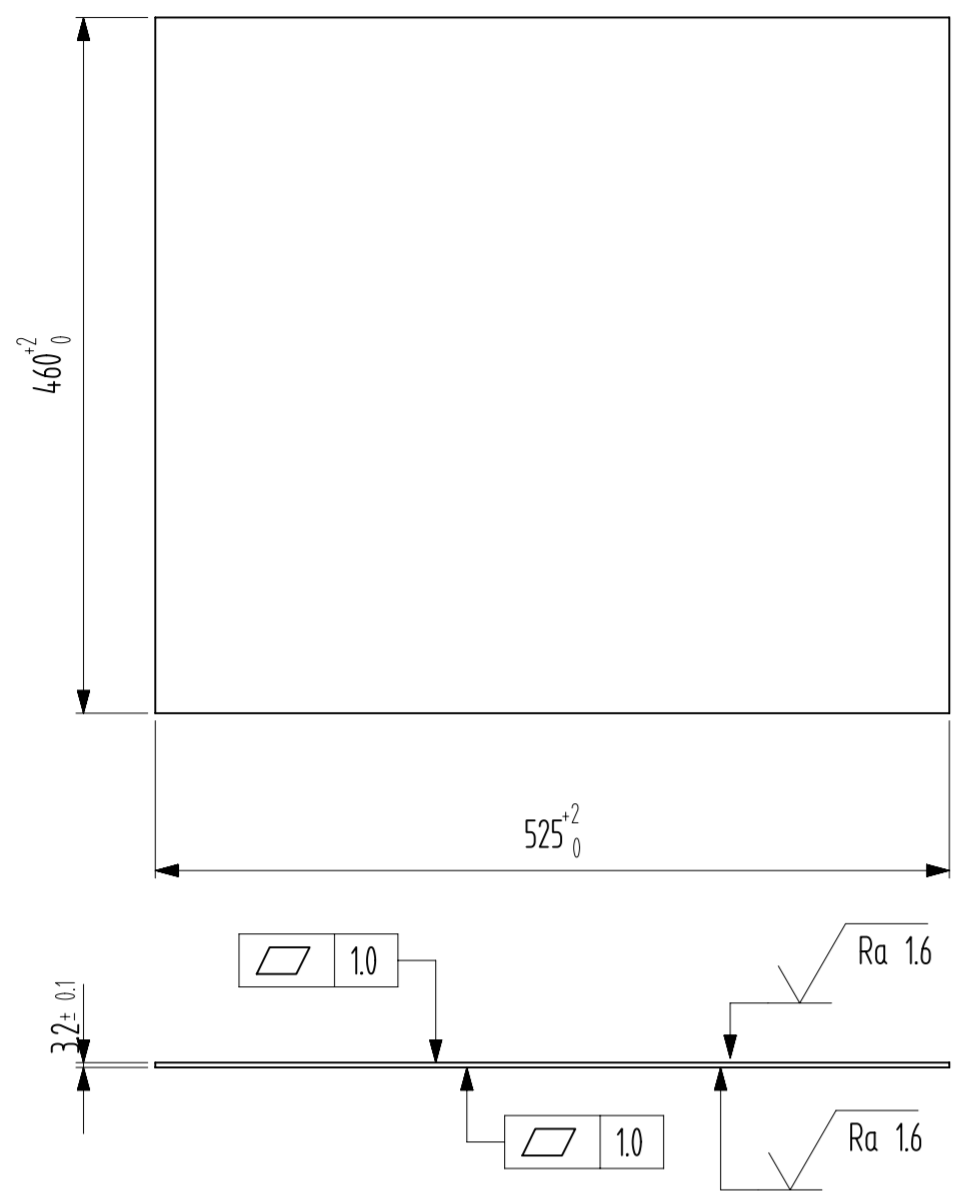


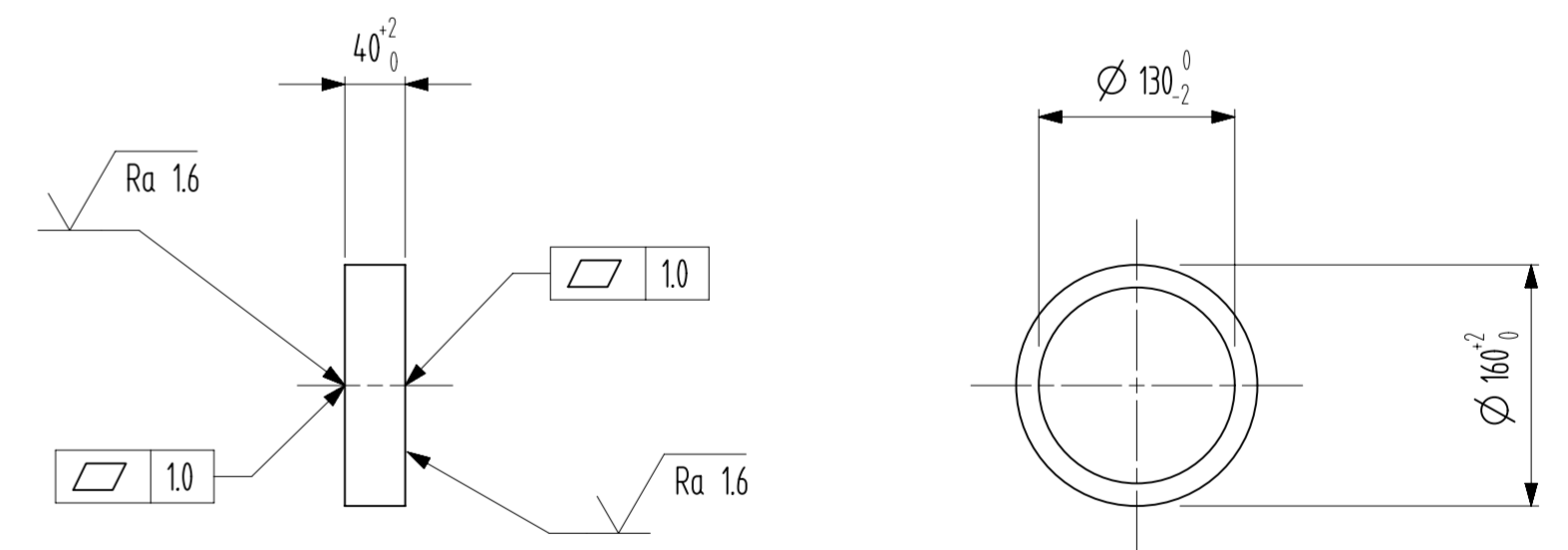
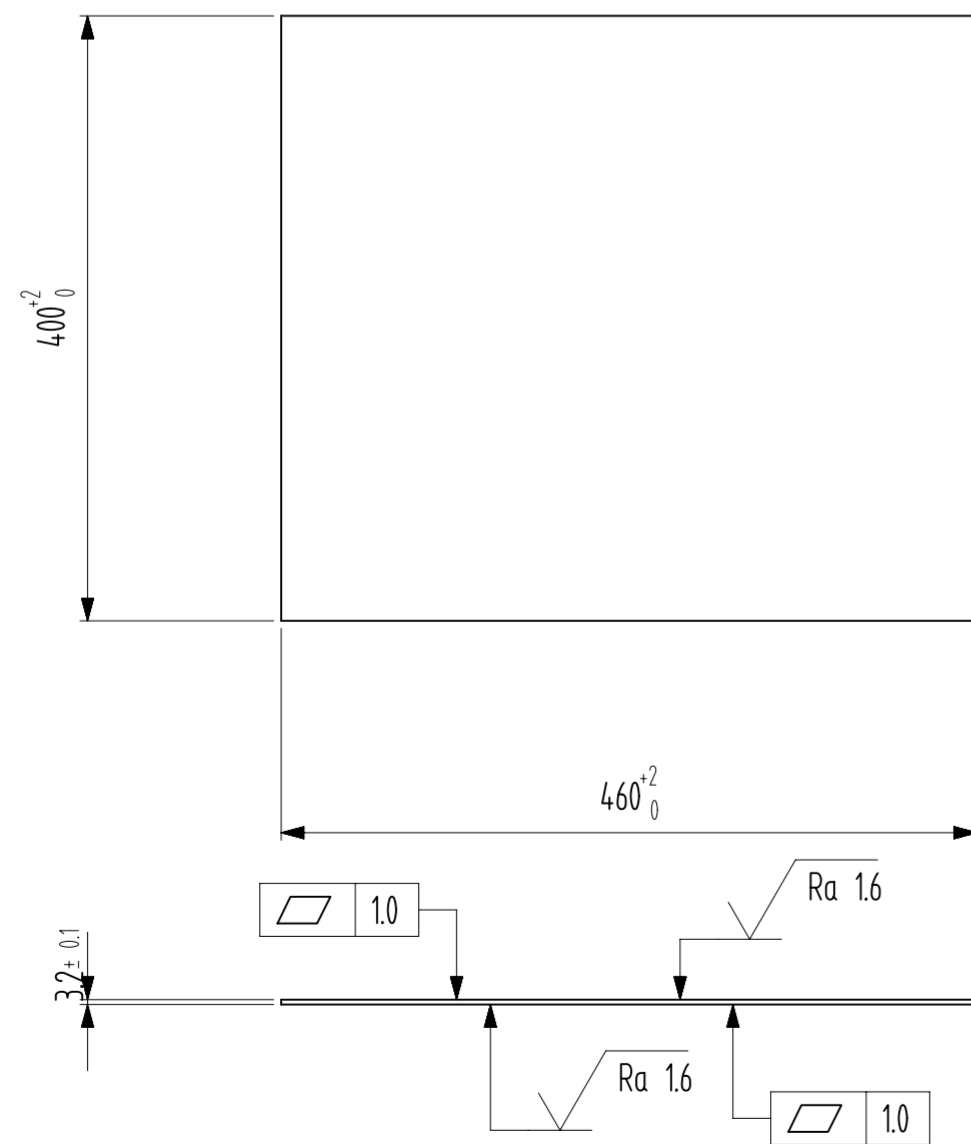
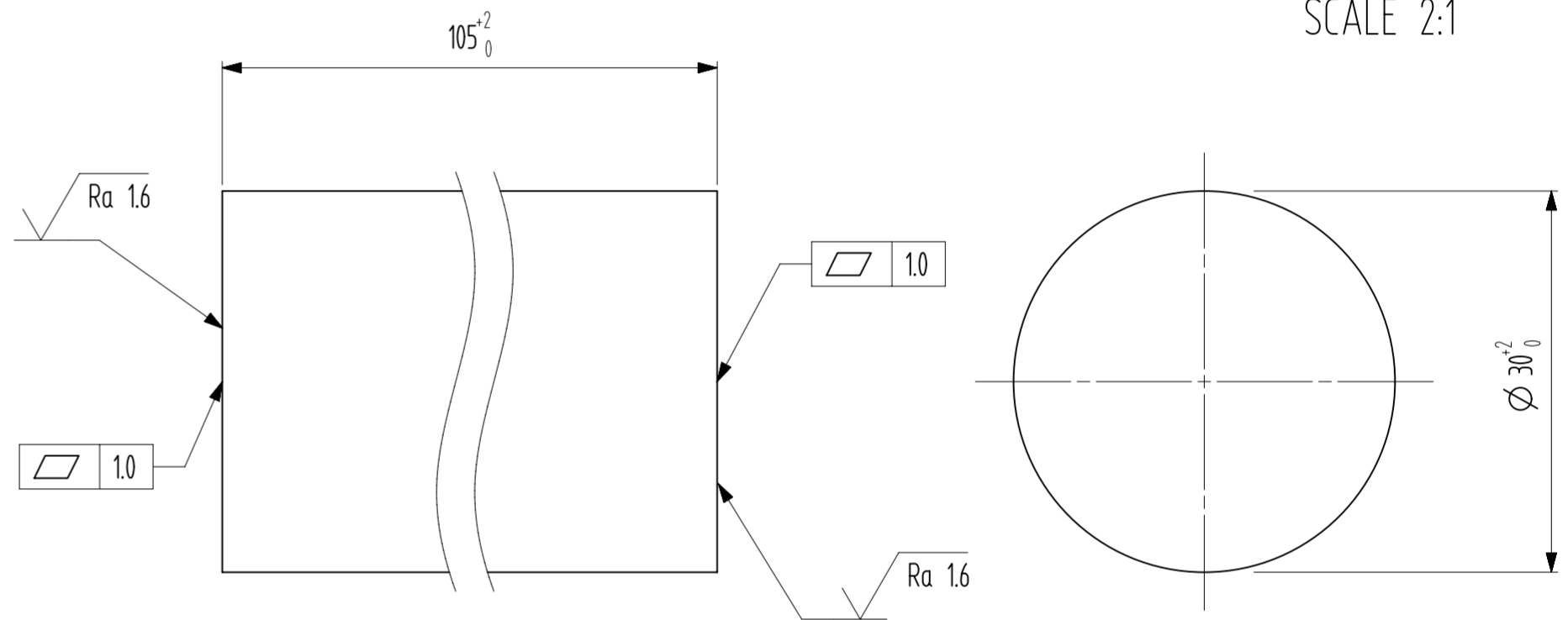
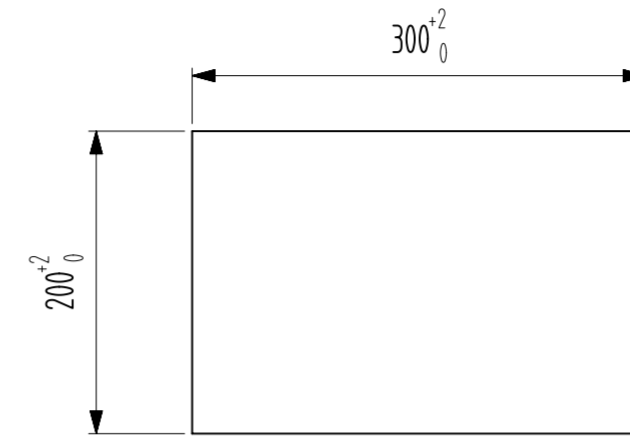
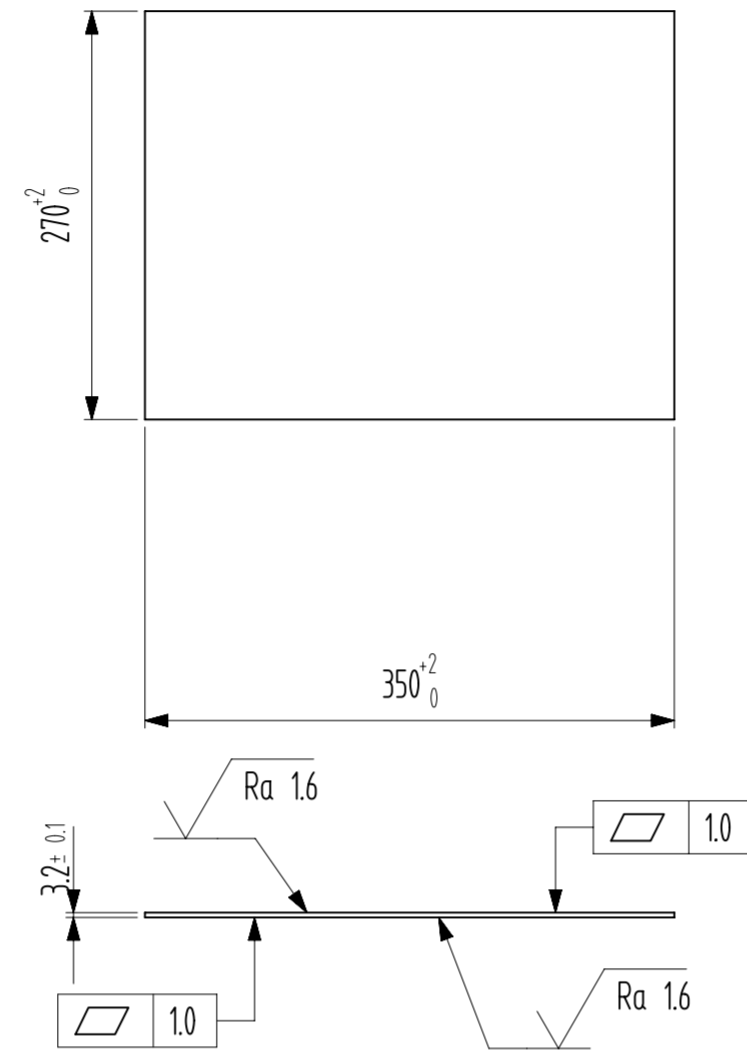
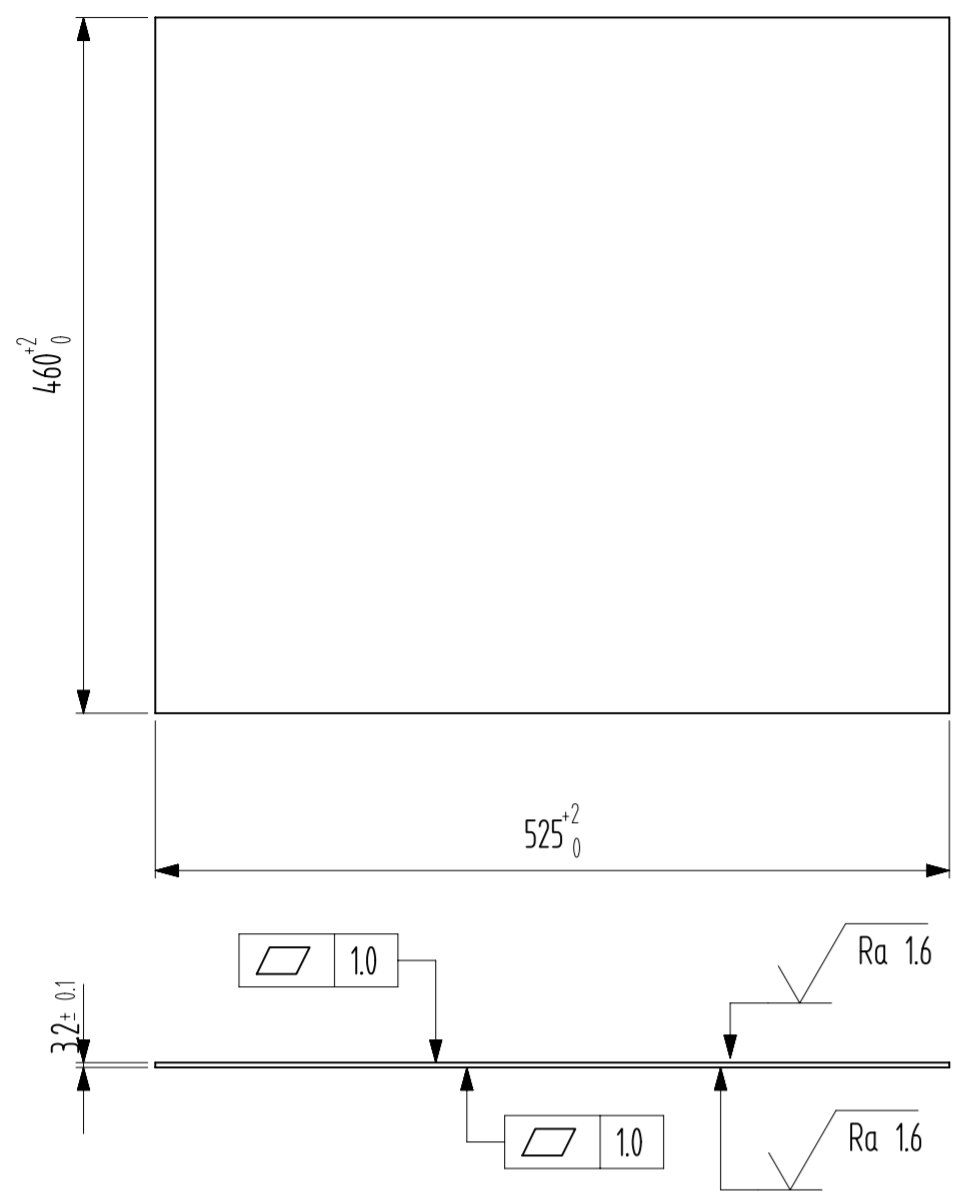
2	Halfcell-2		Niobium		RRR minimum 300	
1	Halfcell-1		Niobium		RRR minimum 300	
Pos.	Part Name	Qty	Material	Drawing	Note	Weight
 INFN Istituto Nazionale di Fisica Nucleare		INFN Milano - LASA via Fratelli Cervi, 201 20090 Segrate (MI)		Size: <i>DWG: DWG-Halfcell</i> A4 Halfcell	Revision: 1	
Experience: ESS			Drawn by: L.Sagliano	Date: 2016/10/07		
Object: DWG_DESC			Checked by:	Scale: 1 : 5		
3D part:			Approved by: P.Michelato	Units: mm		
			File name: R:\Projects\ESS\Medium-Beta\Material			



GENERAL TOLERANCES	-30	30-120	120-315	315-1000	1000-2000	2000-4000	4000-8000	8000-12000	12000-16000	16000-20000	20000-		
FOR PLATES WORKING	± 1	± 2	± 2	± 3	± 4	± 6	± 8	± 10	± 12	± 14	± 16		
FOR MECHANICAL MACHINING OF SIZE WITHOUT CLEREANCE	-6	6-30	30-120	120-315	315-1000	1000-2000	2000-4000	4000-	ANG. DIM.	-6°	6°-30°	30°-120°	120°-
TOLERANCES NOT SPECIFIED	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2	± 3		± 1°	± 30'	± 20'	± 10'
WORKING SURFACES ROUGHNESS	ISO	N 10	N 9	N 8	N 7	N 6	N 5	N 4	N 3	N 2			
	N LCA	18	17	16	15	14	13	12	11	10			
	Ra	12.5	6.3	3.2	1.6	0.8	0.4	0.2	0.1	0.05			

Ra 6.3

6	Main-Coupler-Beam-Tube		Niobium		RRR minimum 300	
5	Main-Coupler-Tube		Niobium		RRR minimum 300	
4	Pick-Up-Beam-Tube		Niobium		RRR minimum 300	
3	Stiffeners		Niobium		RRR minimum 40	
2	Pick-up		Niobium		RRR minimum 300	
1	Ring-for-tube		Niobium		RRR minimum 300	
Pos.	Part Name	Qty	Material	Drawing	Note	Weight
		Size: A2	INFN Milano - LASA via Fratelli Cervi, 201 20090 Segrate (MI)		DWG: DWG-MB-FG-Materials-WOC	Revision: 1
Experience: ESS		Drawn by: L.Sagliano	Date: 2016/09/21		Sheet 1 of 1	
Object: Materials specification		Checked by:	Scale: 1 : 5			
3D part:		Approved by: P. Michelato	Units: mm			
File name: R:\Projects\ESS\Medium-BetdMaterial						



GENERAL TOLERANCES	-30	30-120	120-315	315-1000	1000-2000	2000-4000	4000-8000	8000-12000	12000-16000	16000-20000	20000-		
FOR PLATES WORKING	± 1	± 2	± 2	± 3	± 4	± 6	± 8	± 10	± 12	± 14	± 16		
FOR MECHANICAL MACHINING OF SIZE WITHOUT CLEREANCE	-6	6-30	30-120	120-315	315-1000	1000-2000	2000-4000	4000-	ANG. DIM.	-6°	6°-30°	30°-120°	120°-
TOLERANCES NOT SPECIFIED	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2	± 3		± 1°	± 30'	± 20'	± 10'
WORKING SURFACES ROUGHNESS	ISO	N 10	N 9	N 8	N 7	N 6	N 5	N 4	N 3	N 2			
	N LCA	18	17	16	15	14	13	12	11	10			
	Ra	12.5	6.3	3.2	1.6	0.8	0.4	0.2	0.1	0.05			

Ra 6.3

6	Main-Coupler-Beam-Tube		Niobium		RRR minimum 300	
5	Main-Coupler-Tube		Niobium		RRR minimum 300	
4	Pick-Up-Beam-Tube		Niobium		RRR minimum 300	
3	Stiffeners		Niobium		RRR minimum 40	
2	Pick-up		Niobium		RRR minimum 300	
1	Ring-for-tube		Niobium		RRR minimum 300	
Pos.	Part Name	Qty	Material	Drawing	Note	Weight
		Size: A2	INFN Milano - LASA via Fratelli Cervi, 201 20090 Segrate (MI)		DWG: DWG-MB-FG-Materials2xWOC MB-FGMaterials2xWOC	Revision: 1
Experience: ESS		Drawn by: L.Sagliano	Date: 2016/09/21		Sheet 1 of 1	
Object: Materials specification		Checked by:	Scale: 1 : 5			
3D part:		Approved by: P. Michelato	Units: mm			
		File name: R:\Projects\ESS\Medium-BetdMaterial				