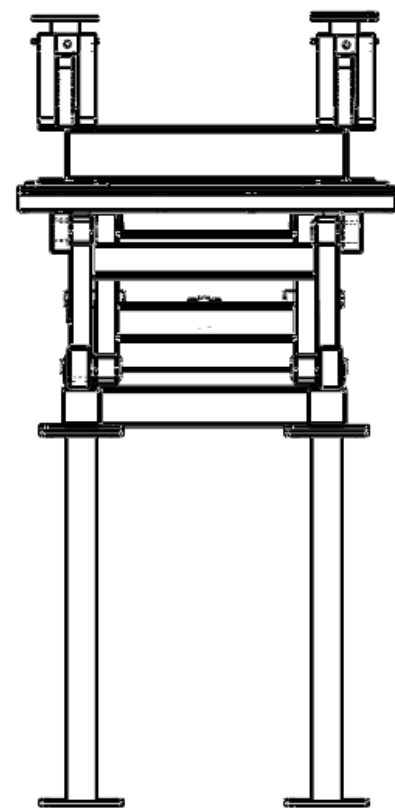
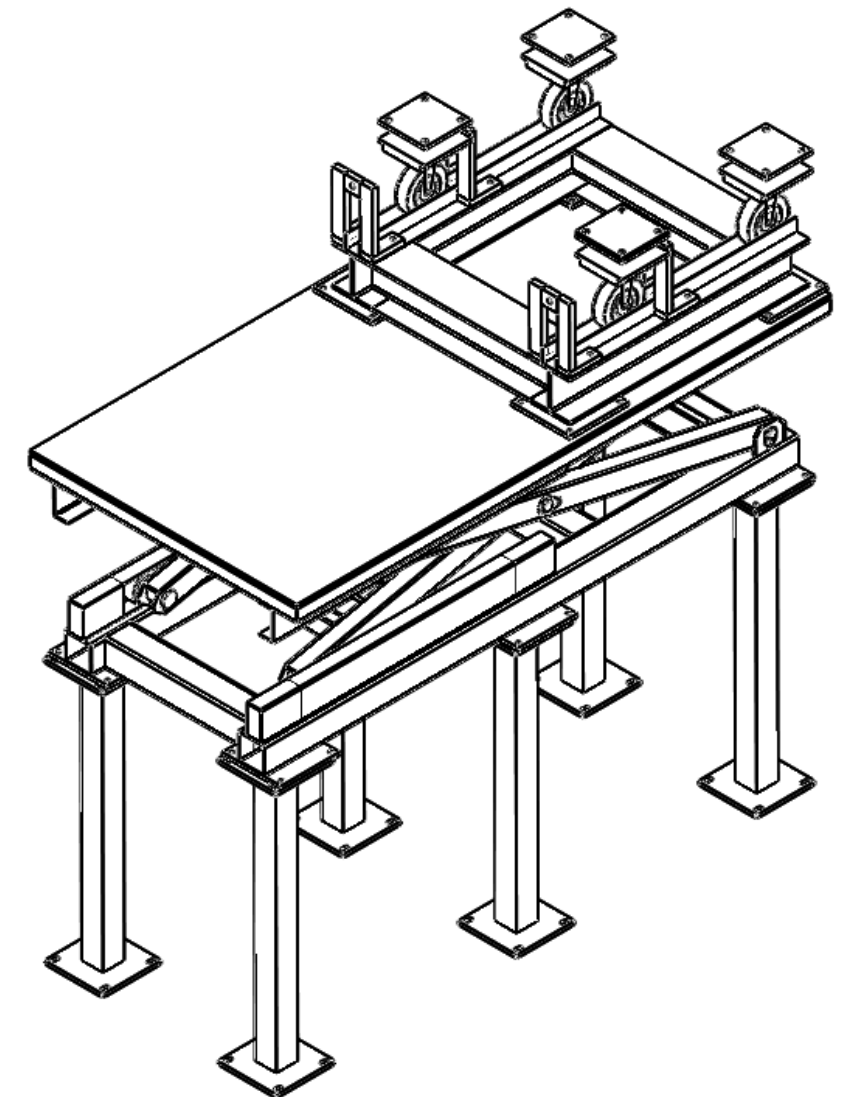
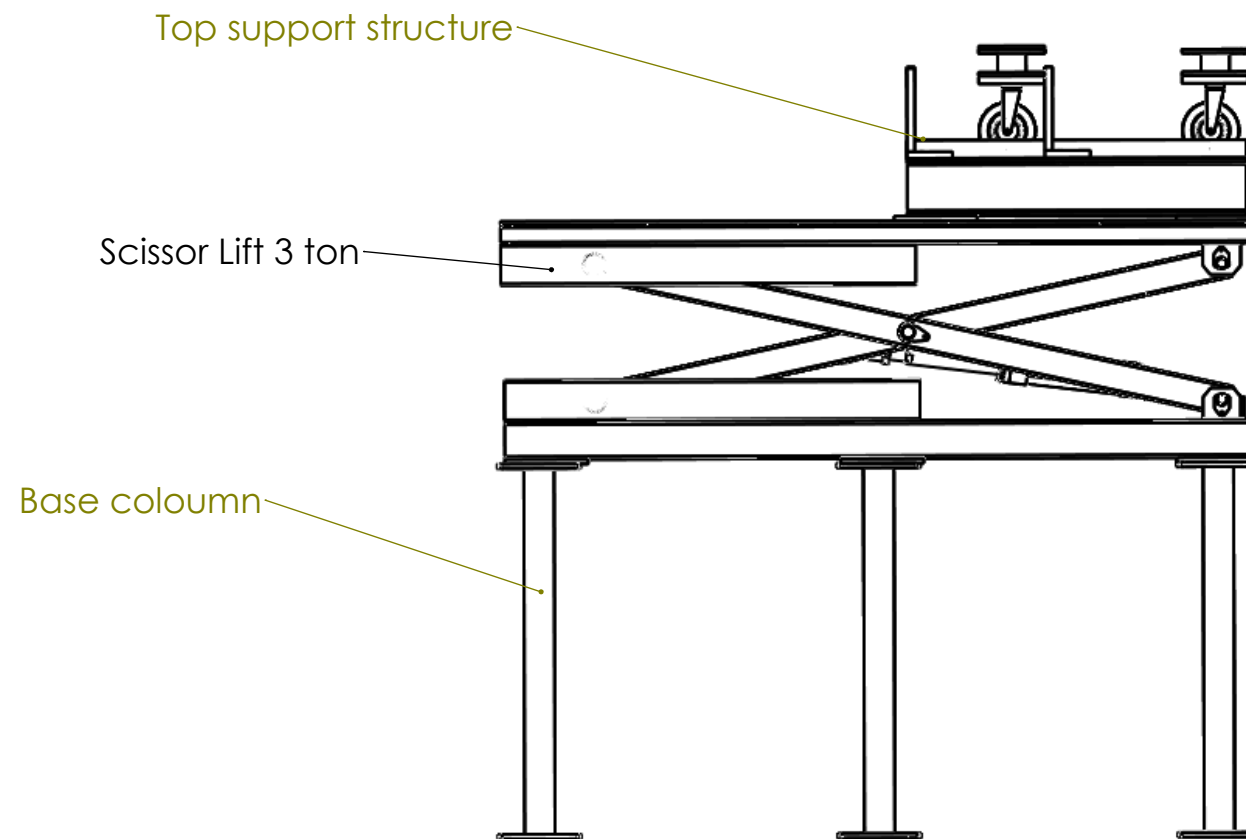


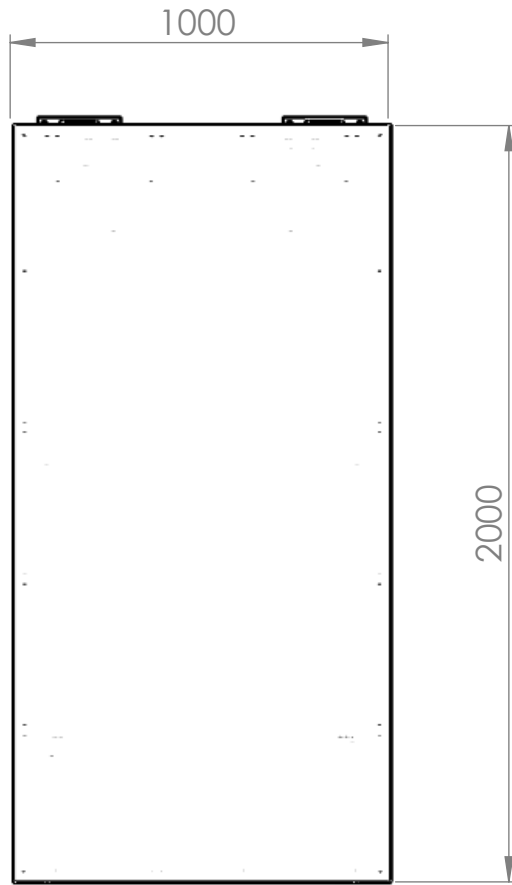
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION
							TITLE: Neutron Moderator and its support Structure	
DRAWN	NAME	SIGNATURE	DATE				DWG NO.	A3
CHK'D							MAS-1	
APPV'D								
MFG							SCALE:1:50	
Q.A								
						WEIGHT:		



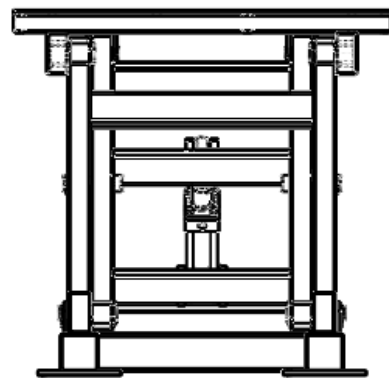
SCALE 1 : 20



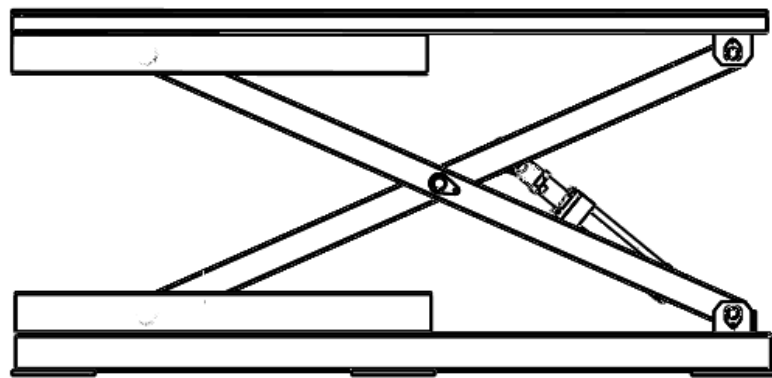
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DRAWN		NAME		SIGNATURE		DATE		TITLE:  <b>Support Structure</b>		DWG NO.  <b>SS-1</b>		A3	
CHK'D													
APPV'D													
MFG													
Q.A													
								MATERIAL:					
								WEIGHT:		SCALE:1:50			



SCALE 1 : 20



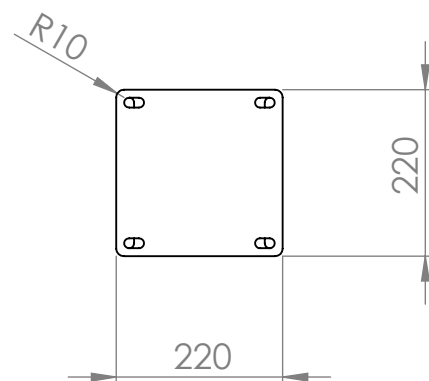
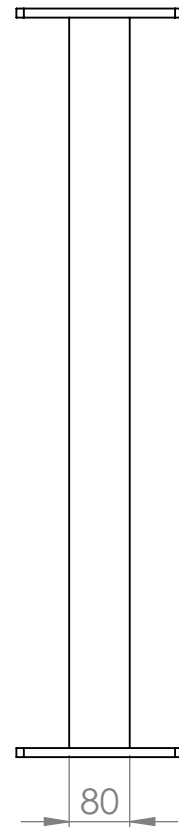
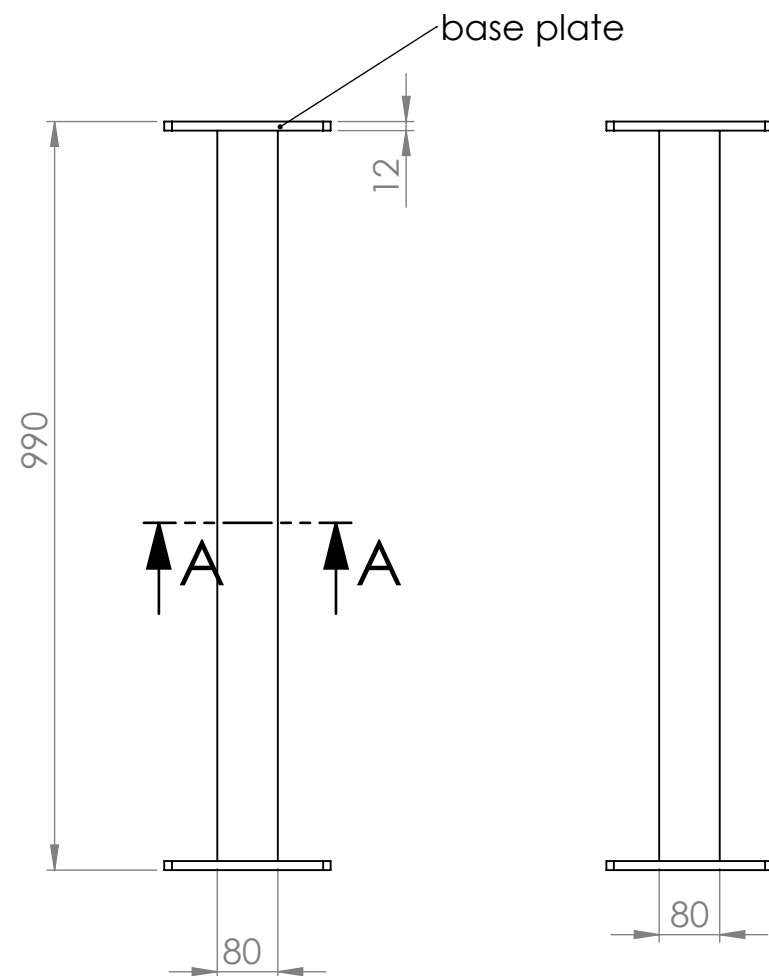
SCALE 1 : 20



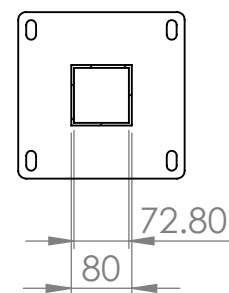
SCALE 1 : 20

Sr. No.	Description	Specification
1	lift top length	2000 mm
2	Lift top width	1000mm
3	Lift Capacity	3 Ton
4	lifting height (Maximum height-minimun height)	1000 mm
5	operation	hydraulic with push button

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
DRAWN		NAME		SIGNATURE		DATE				TITLE:  <b>Scissor Lift</b>	
CHK'D											
APPV'D											
MFG											
Q.A											
								MATERIAL:		DWG NO.  <b>SS-2</b>	
								WEIGHT:		SCALE:1:50	

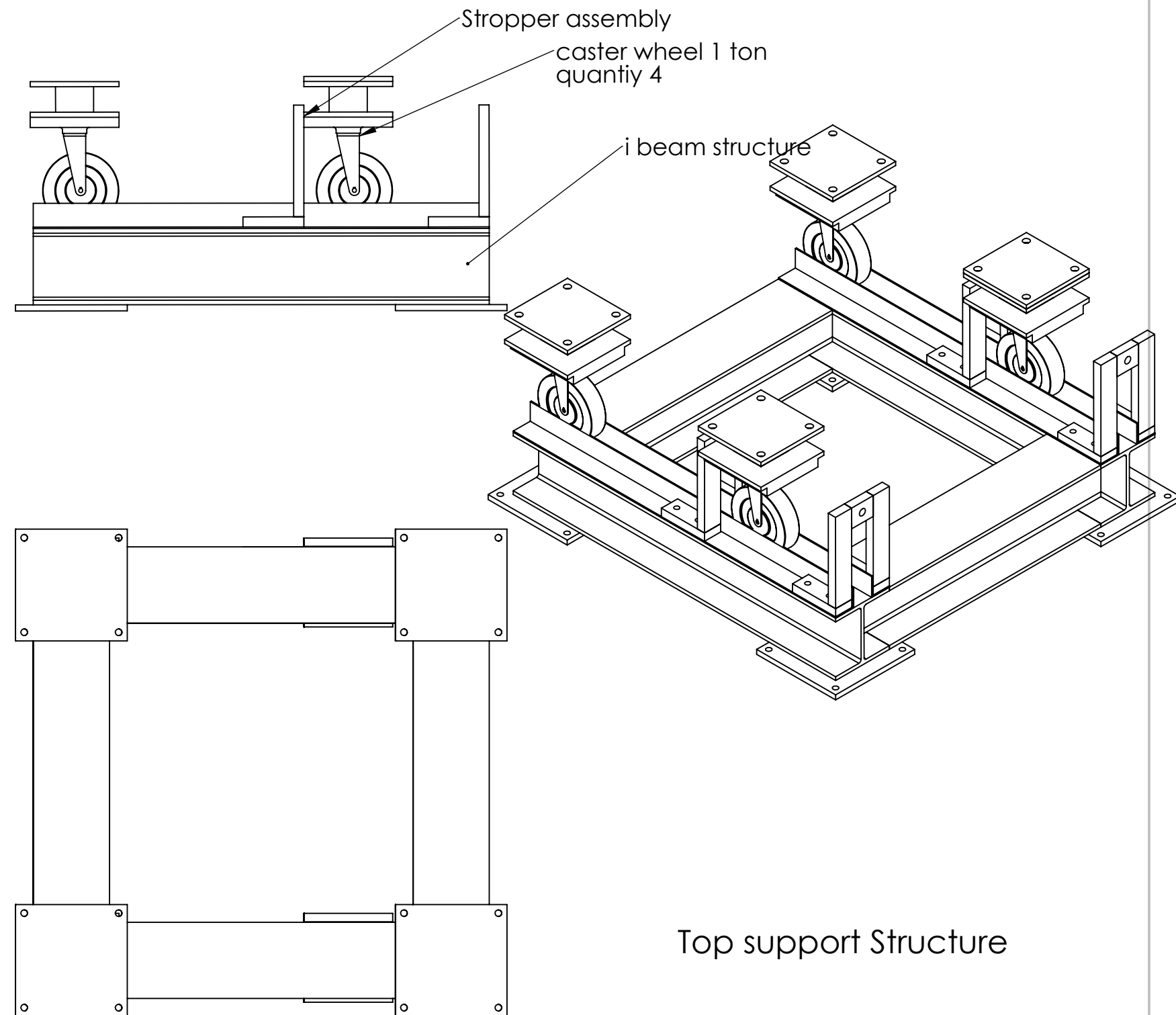


Quantity required 6



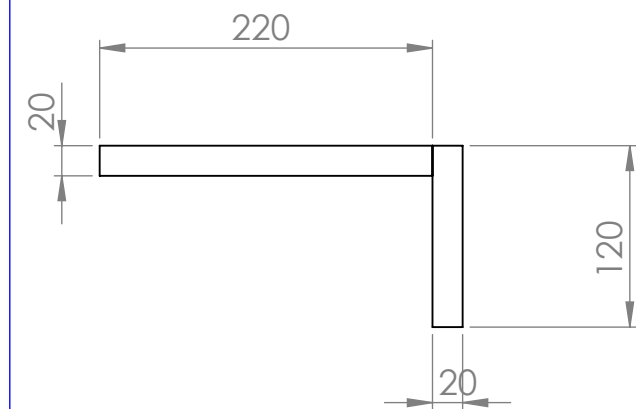
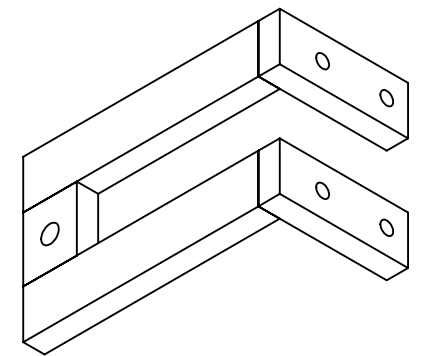
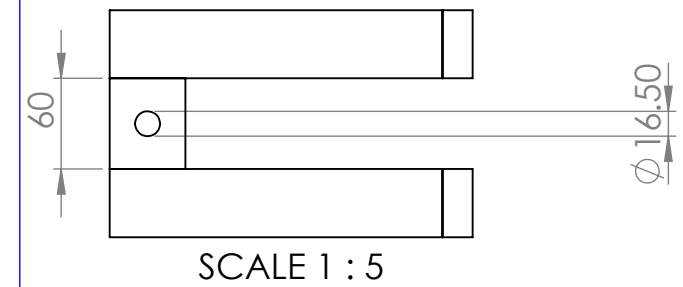
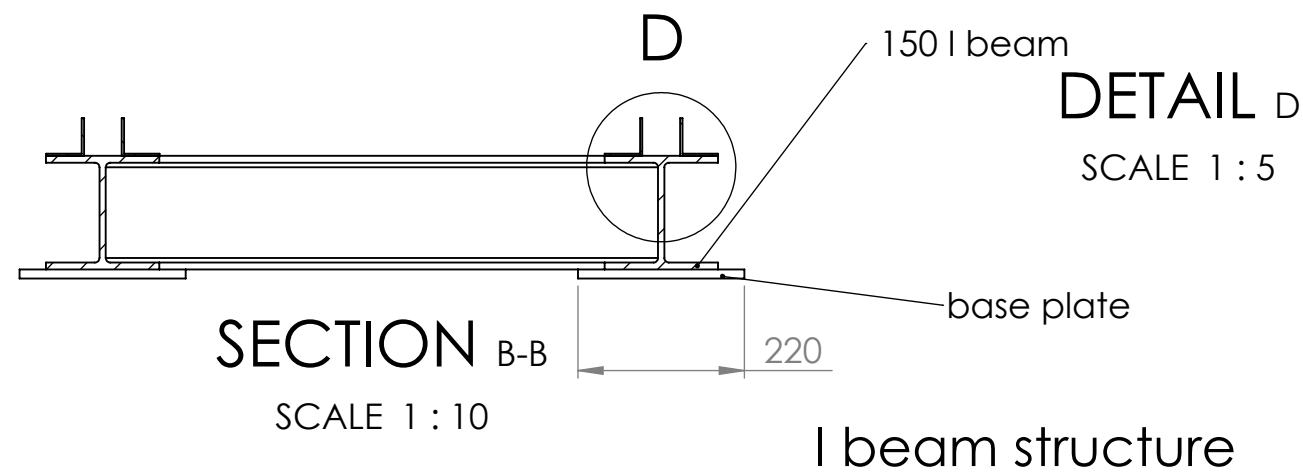
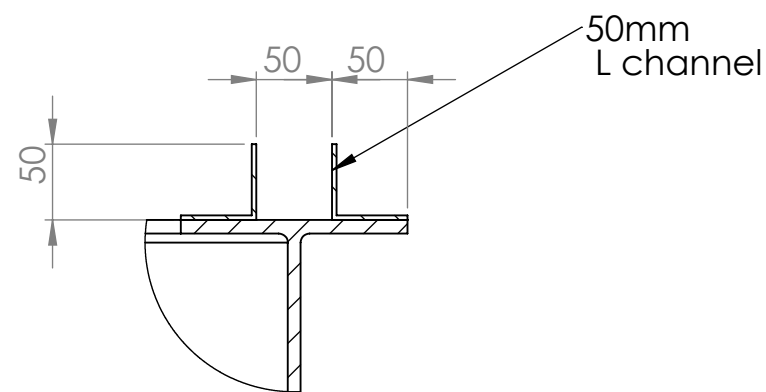
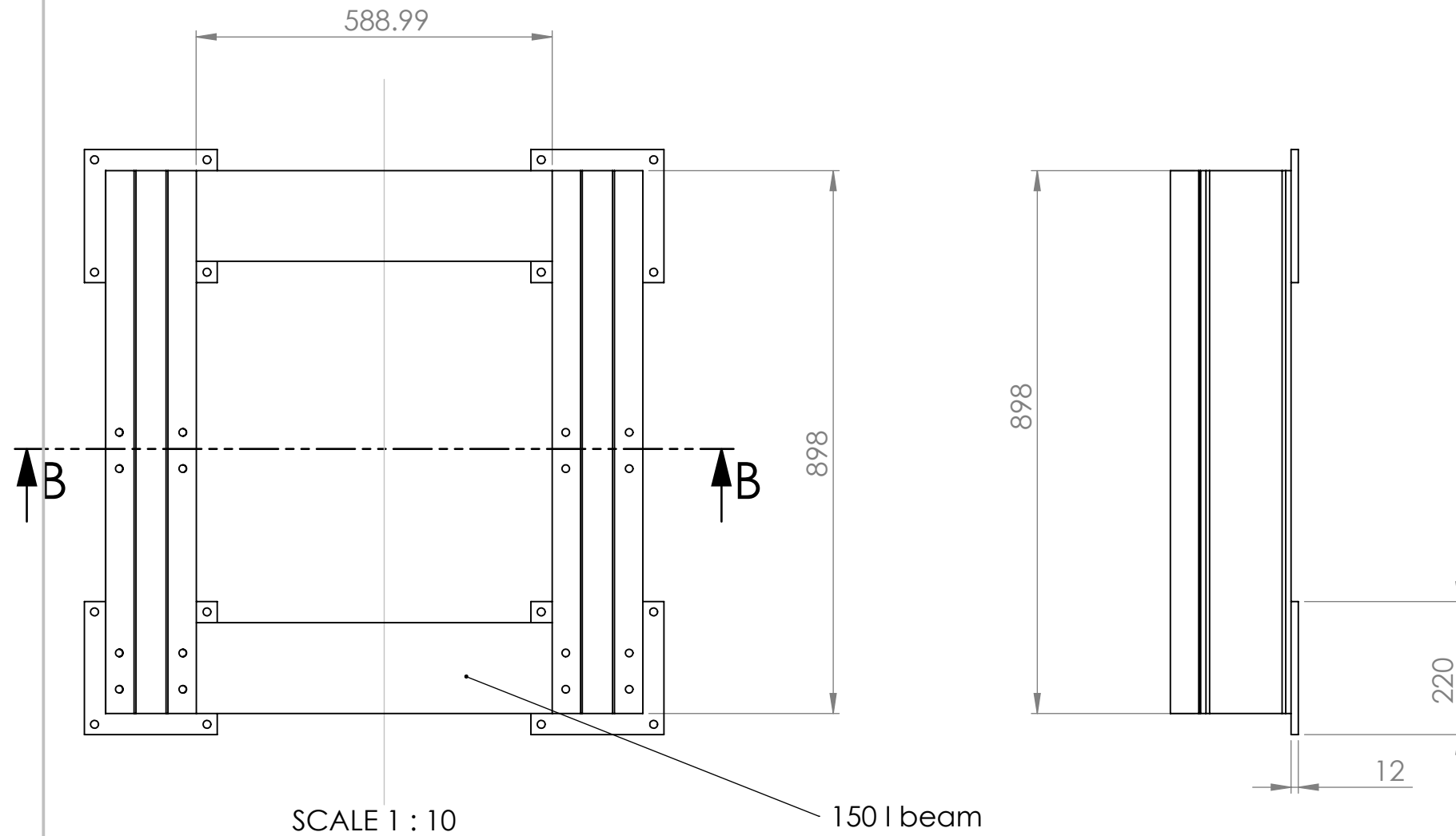
SECTION A-A  
SCALE 1 : 10

Base Column



Top support Structure

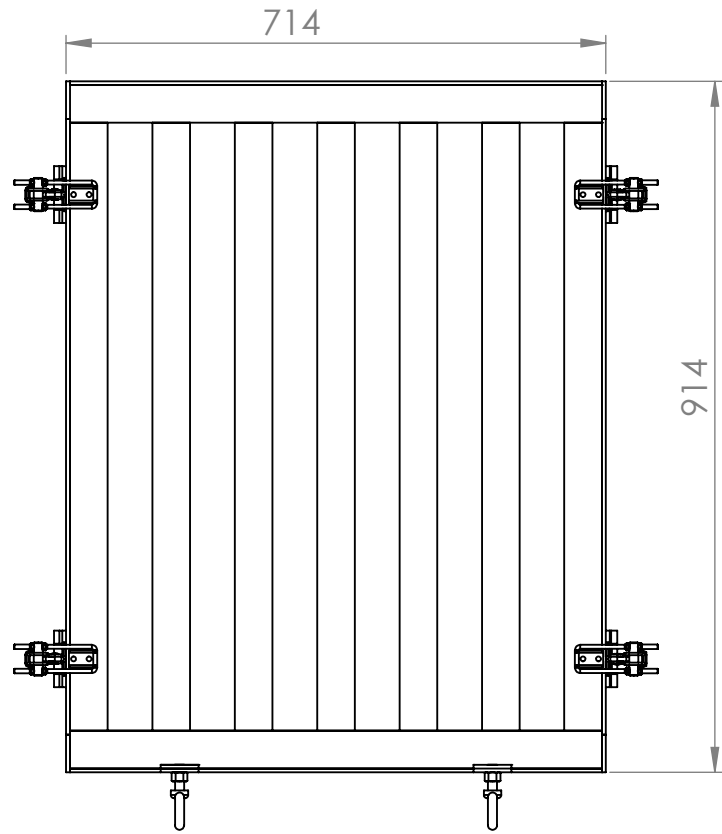
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION
DRAWN	NAME	SIGNATURE	DATE				TITLE: <b>Top Support Structure and Base Column</b>	
CHK'D								
APPV'D								
MFG								
Q.A								
						MATERIAL: <b>Mild Steel</b>	DWG NO. <b>SS-3</b>	A3
						WEIGHT:	SCALE:1:50	



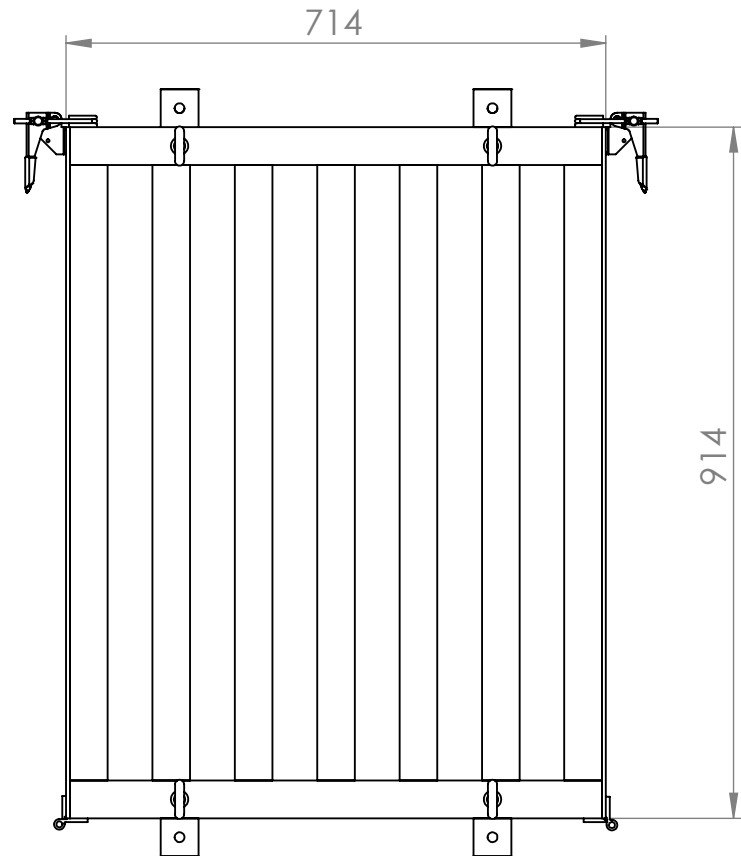
Quantity 4

## Stopper Assembly

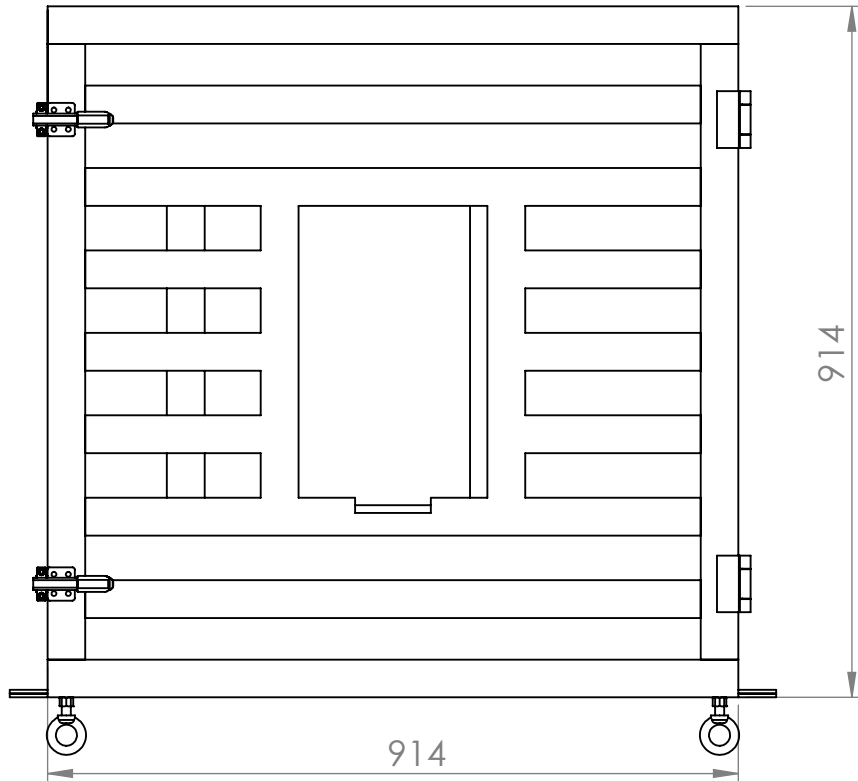
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:				DEBUR AND BREAK SHARP EDGES				DO NOT SCALE DRAWING				REVISION							
		NAME		SIGNATURE		DATE						TITLE:  I beam structure and Stopper Assembly											
DRAWN																							
CHK'D																							
APPV'D																							
MFG																							
Q.A								MATERIAL:				DWG NO.				A3							
								Mild Steel				SS-4											
								WEIGHT:				SCALE:1:50											



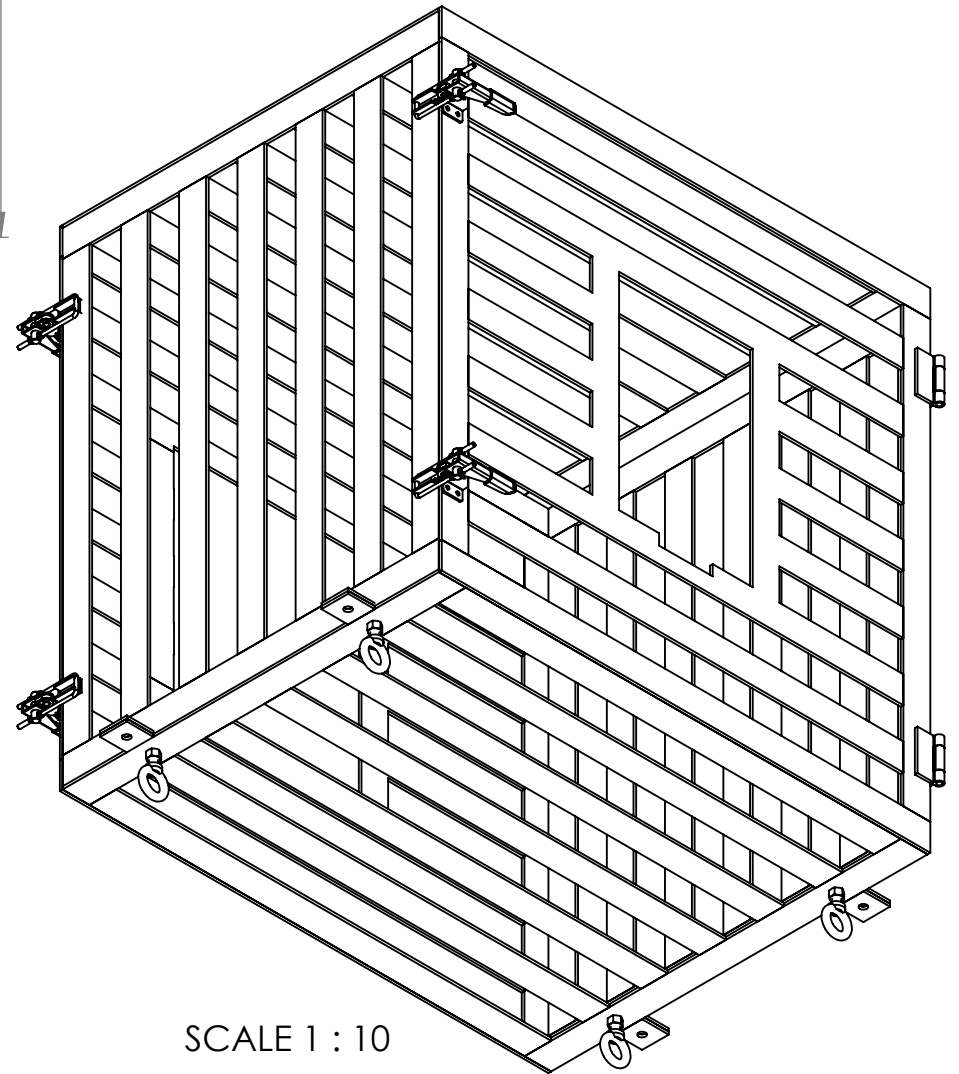
SCALE 1 : 10



SCALE 1 : 10

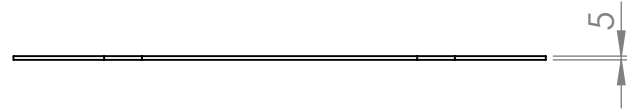


SCALE 1 : 10

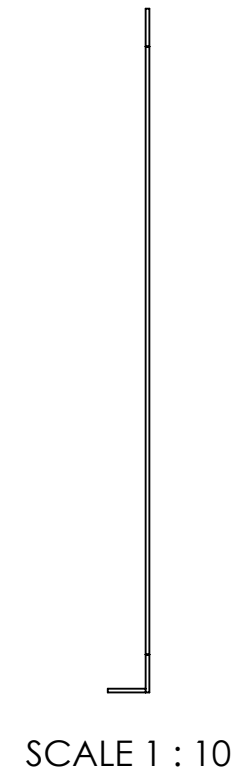


SCALE 1 : 10

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
	NAME		SIGNATURE		DATE				TITLE:  Cage Assembly		
DRAWN											
CHK'D											
APPV'D											
MFG											
Q.A					MATERIAL:  Mild Steel			DWG NO.  CAS-1			A3
					WEIGHT:			SCALE:1:20		SHEET 1 OF 3	



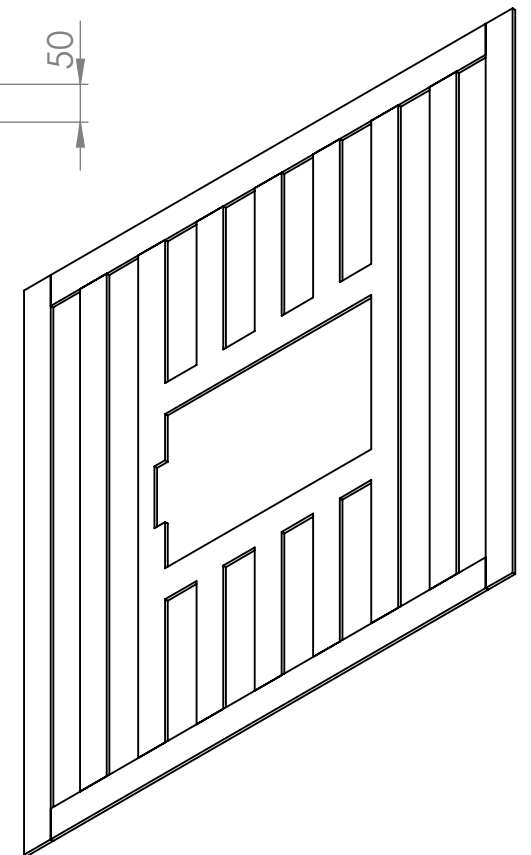
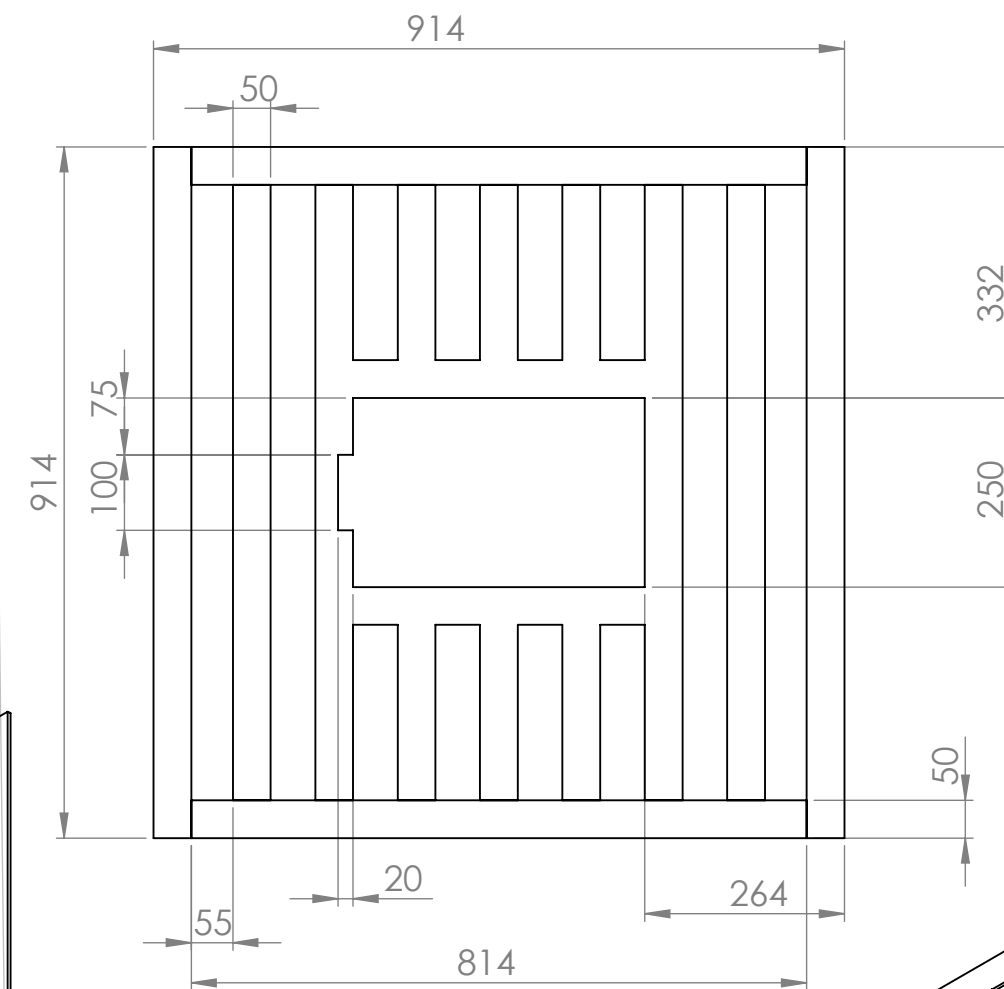
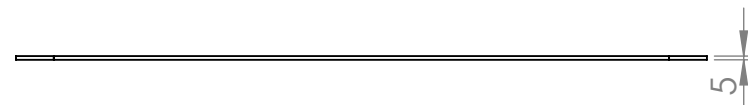
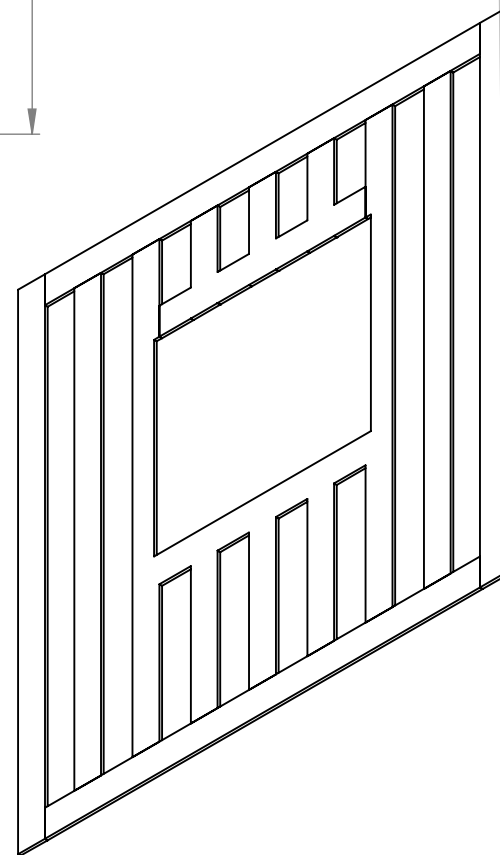
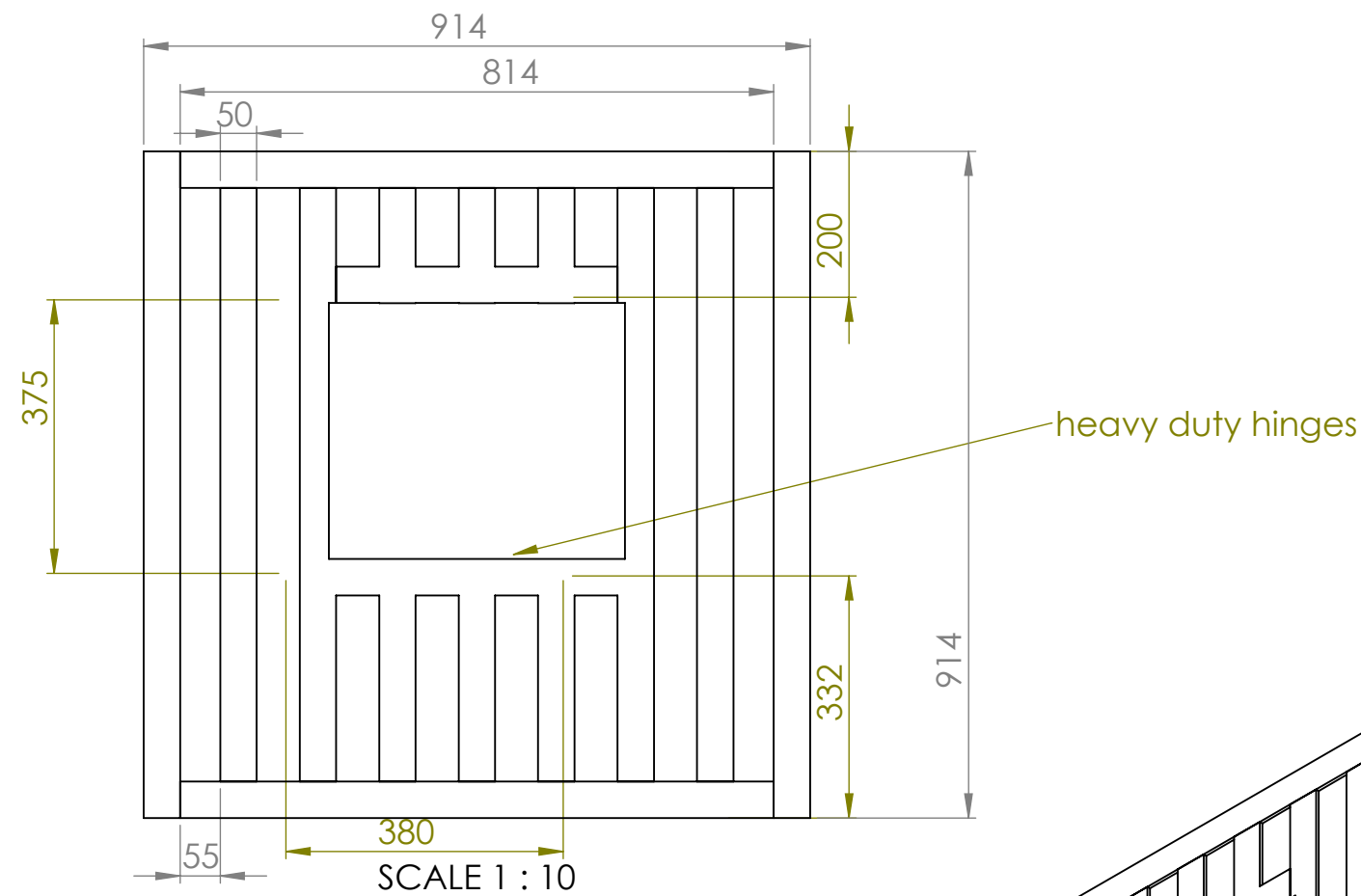
A technical line drawing of a fence section, viewed from an isometric perspective. The fence consists of a series of vertical slats held between two horizontal rails. Four mounting brackets are shown: two on the top rail and two on the bottom rail, each with a circular hole for a bolt. The drawing is a black and white line art illustration.



Technical drawing of a mechanical part with dimensions:

- Overall width: 50
- Distance from left edge to center of first hole: 120
- Distance between centers of two holes: 364
- Distance from right edge to center of second hole: 50
- Height of the part: 50
- Radius of each hole: 5

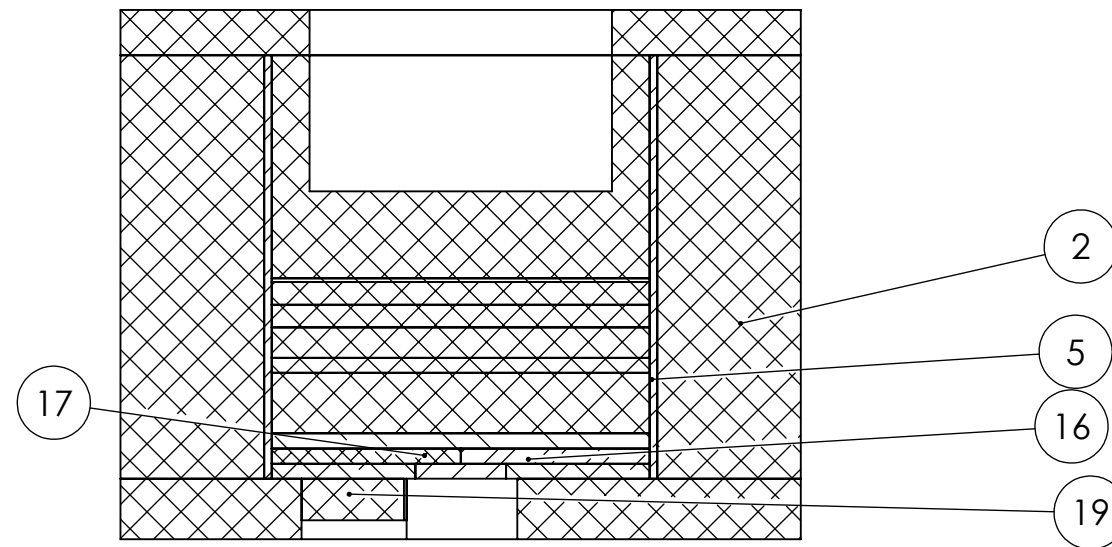
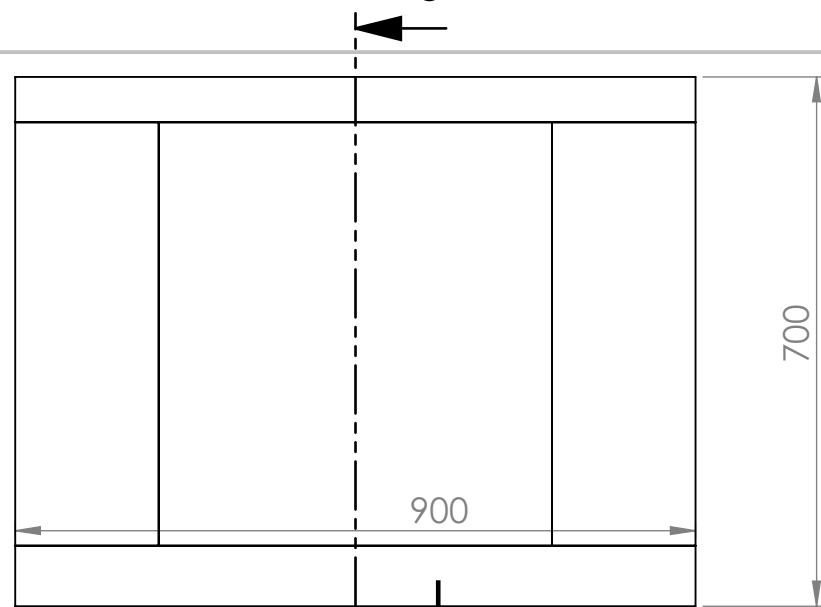
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
		NAME		SIGNATURE		DATE				TITLE:	
DRAWN											
CHK'D											
APP'VD											
MFG											
Q.A						MATERIAL:  Mild steel		DWG NO.		CAS-2	
										A3	
						WEIGHT:		SCALE:1:20		SHEET 2 OF 3	



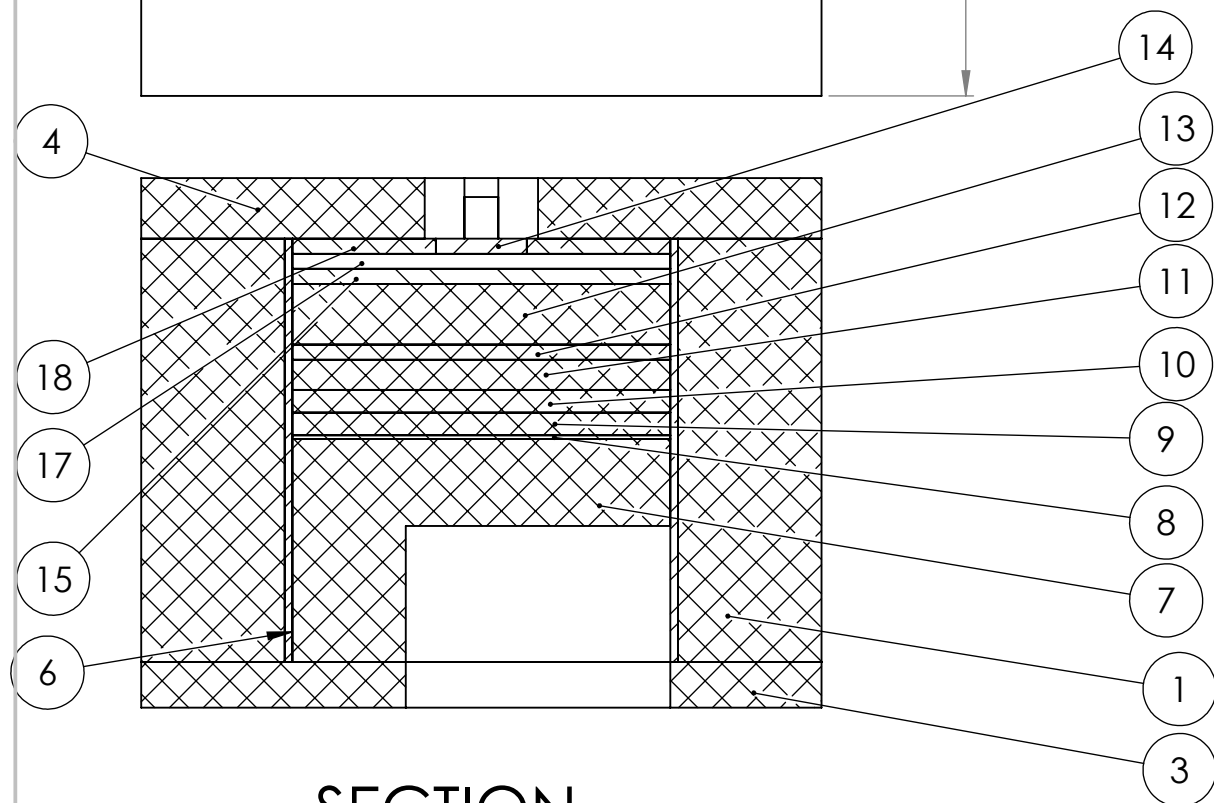
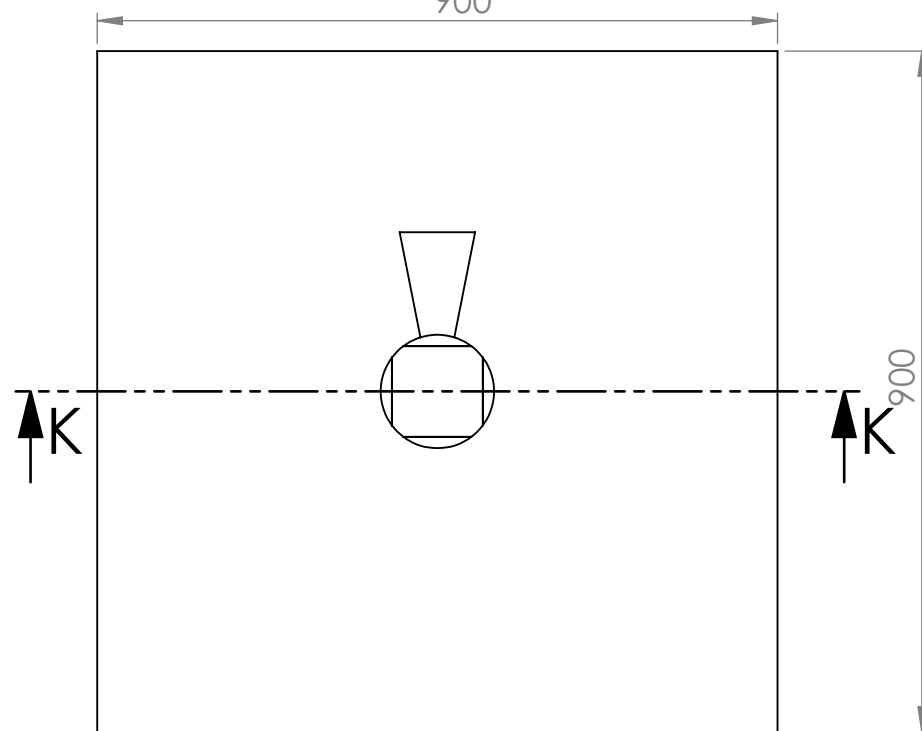
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:					FINISH:		DEBUR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING		REVISION		
	NAME		SIGNATURE		DATE				TITLE:  Cage Assembly			
DRAWN												
CHK'D												
APPV'D												
MFG												
Q.A						MATERIAL:  Mild steel		DWG NO.		CAS-3		A3
							WEIGHT:		SCALE:1:20		SHEET 3 OF 3	

A3





SECTION J-J



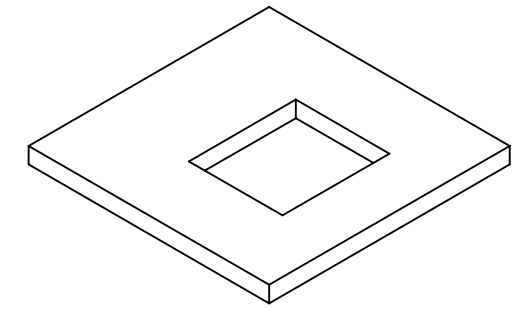
SECTION K-K

ITEM NO.	PART NUMBER	QTY.	material
1	graphite side wall 1	2	graphite
2	graphite side wall 2	2	graphite
3	graphite back wall	1	graphite
4	graphite front wall	1	graphite
5	ss side wall 2	2	ss304
6	ss side wall 1	2	ss304
7	graphite back irradiation block	1	graphite
8	copper plate	1	copper
9	graphite block thickness 3 cm	1	graphite
10	lead plate thickness 3 cm	1	lead
11	graphite block thickness 4 cm	1	graphite
12	lead plate thickness 2 cm	1	lead
13	graphite block thickness 8 cm	1	graphite
14	tungstun block	1	tungusten
15	ss plate thickness 2 cm	1	ss304
16	ss half block thickness 2mm	1	ss304
17	aluminium half block thickness 2mm	1	Aluminium
18	aluminium plate thickness 2 cm	1	Aluminium
19	plug for cooling line	1	graphite

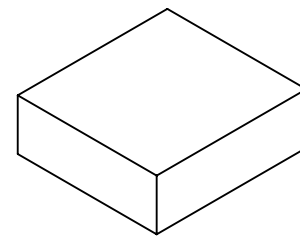
TITLE: <b>Moderator Assembly</b>		A3
MATERIAL:	DWG NO.	MA-1
WEIGHT:	SCALE:1:10	

graphite side wall 1

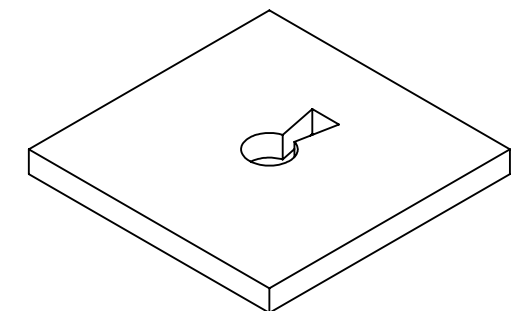
graphite back wall



graphite side wall 2

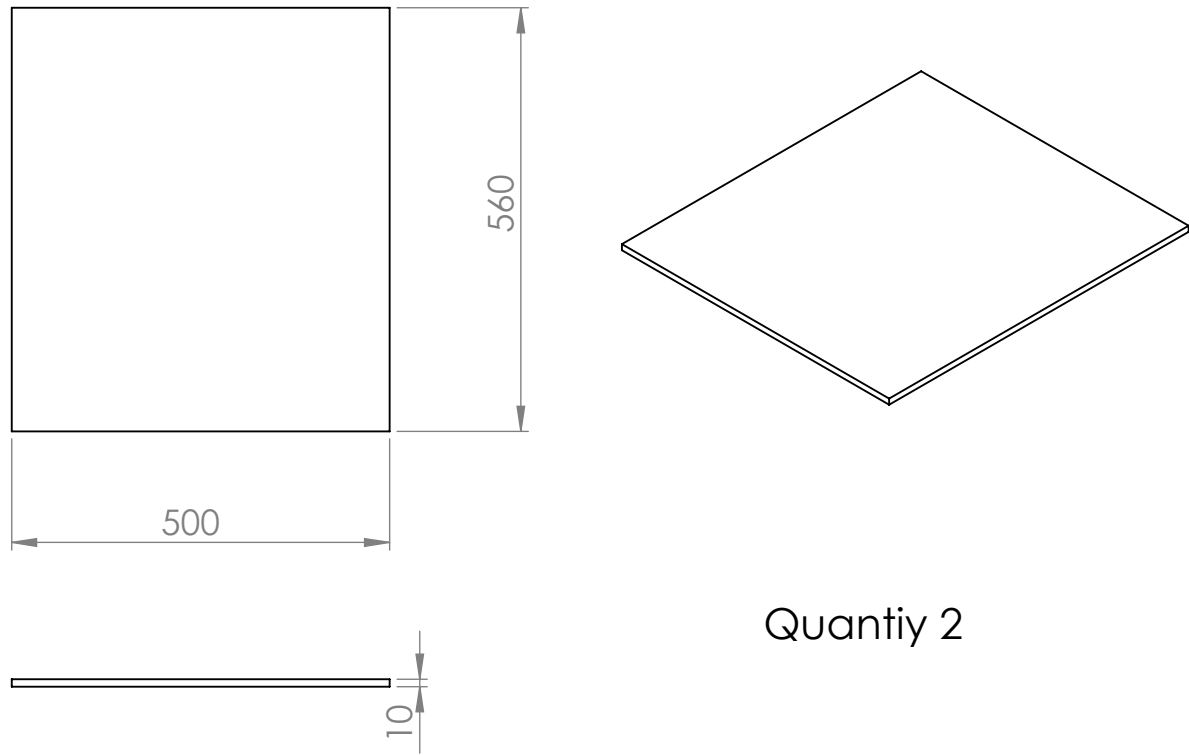


SCALE 1 : 20



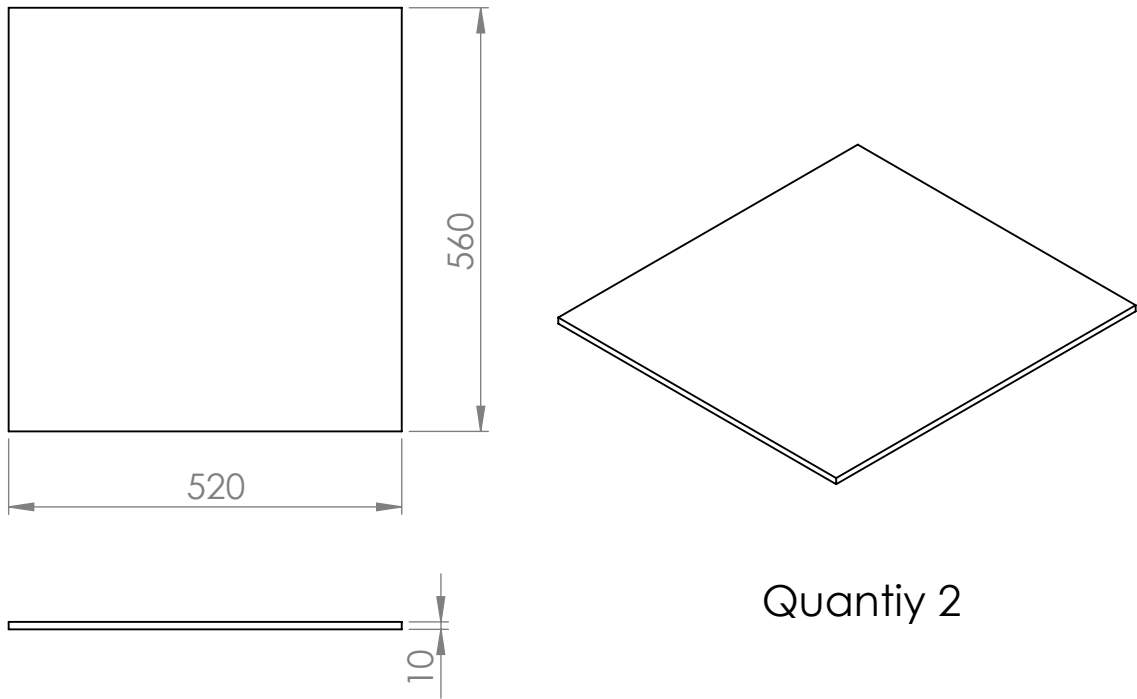
Graphite front wall

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:						FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
										TITLE:  graphite outer wall assembly			
DRAWN		NAME		SIGNATURE		DATE							
CHK'D													
APPV'D													
MFG													
Q.A								MATERIAL:  graphite		DWG NO.  MA-2		A3	
WEIGHT:						SCALE:1:10				SHEET 2 OF 9			



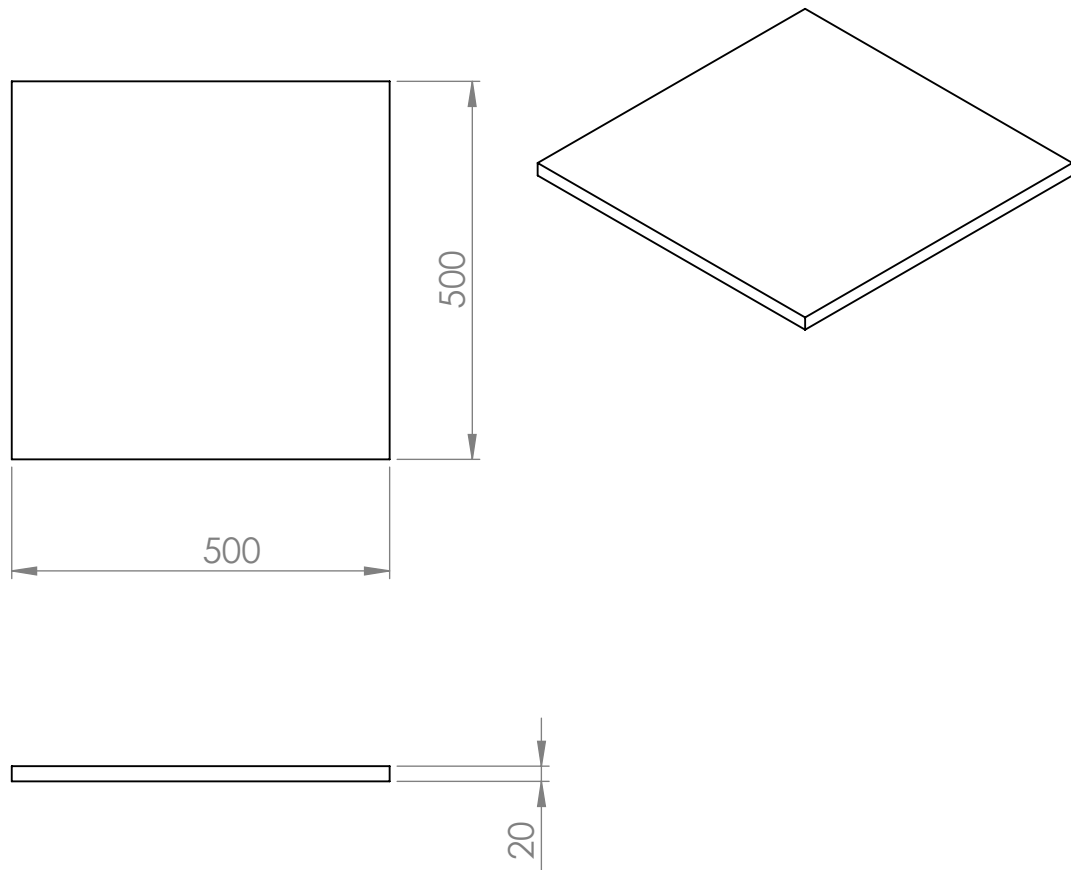
Quantiy 2

SS side wall 2

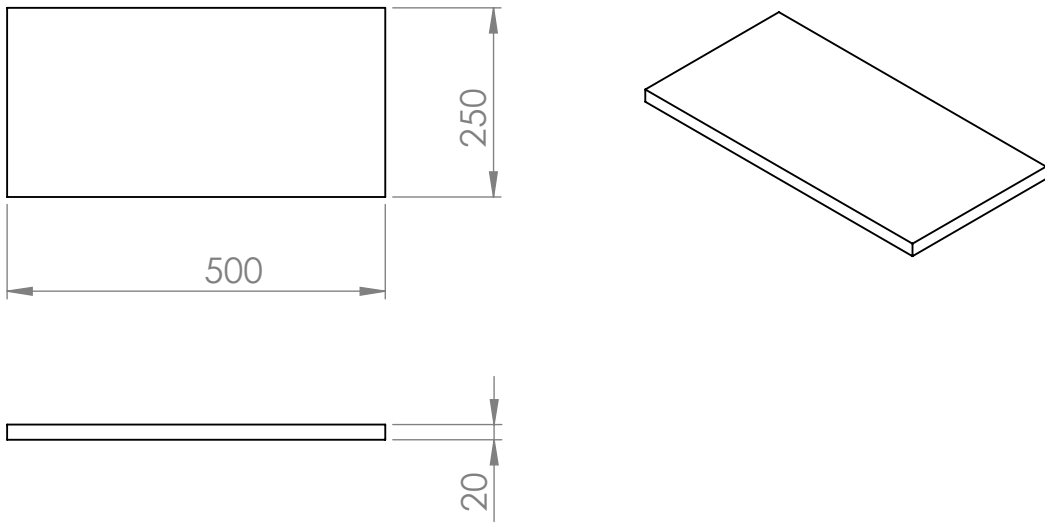


Quantiy 2

SS side wall 1

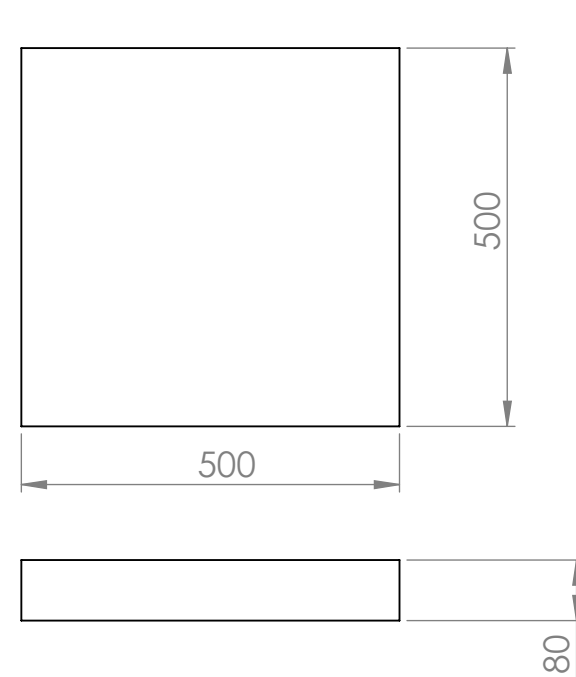
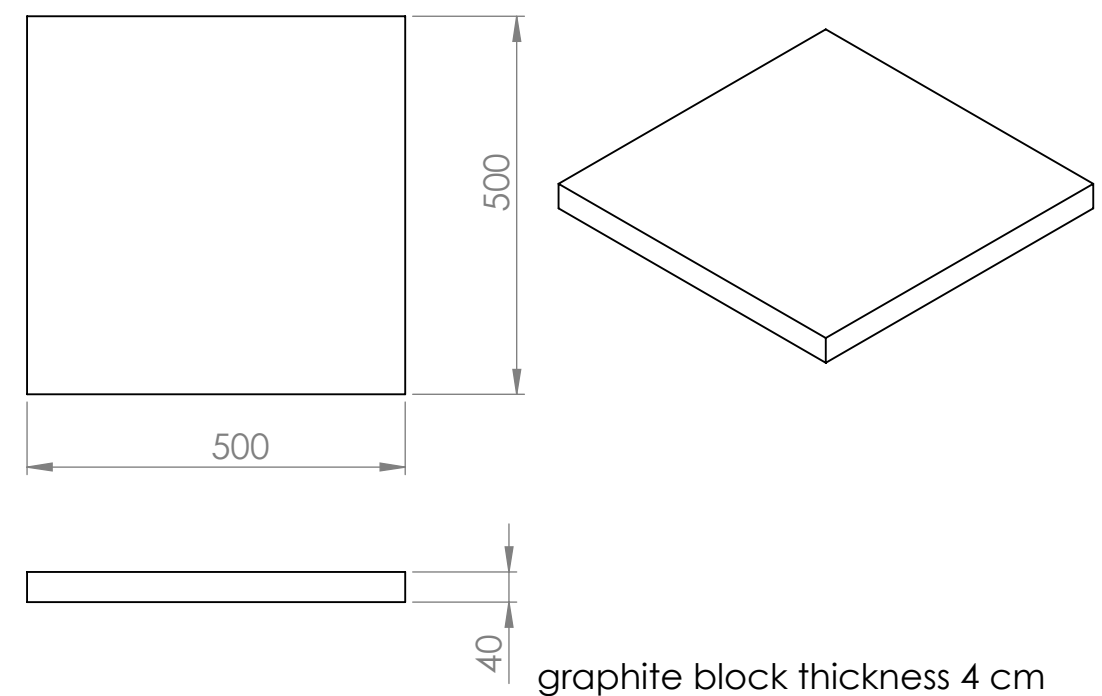
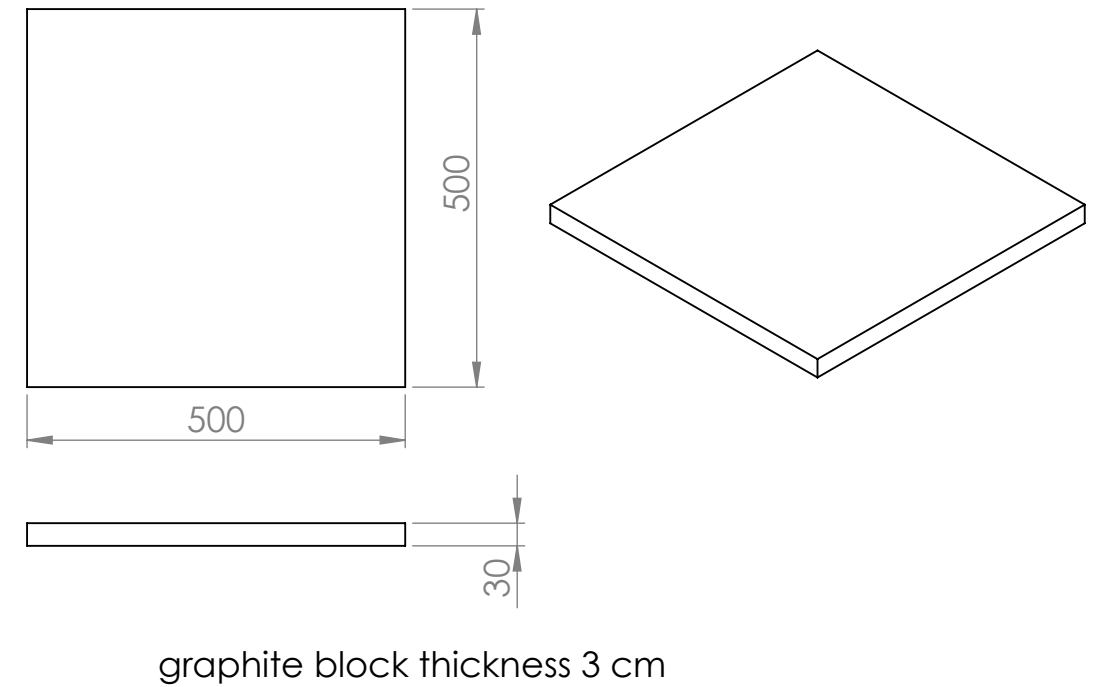
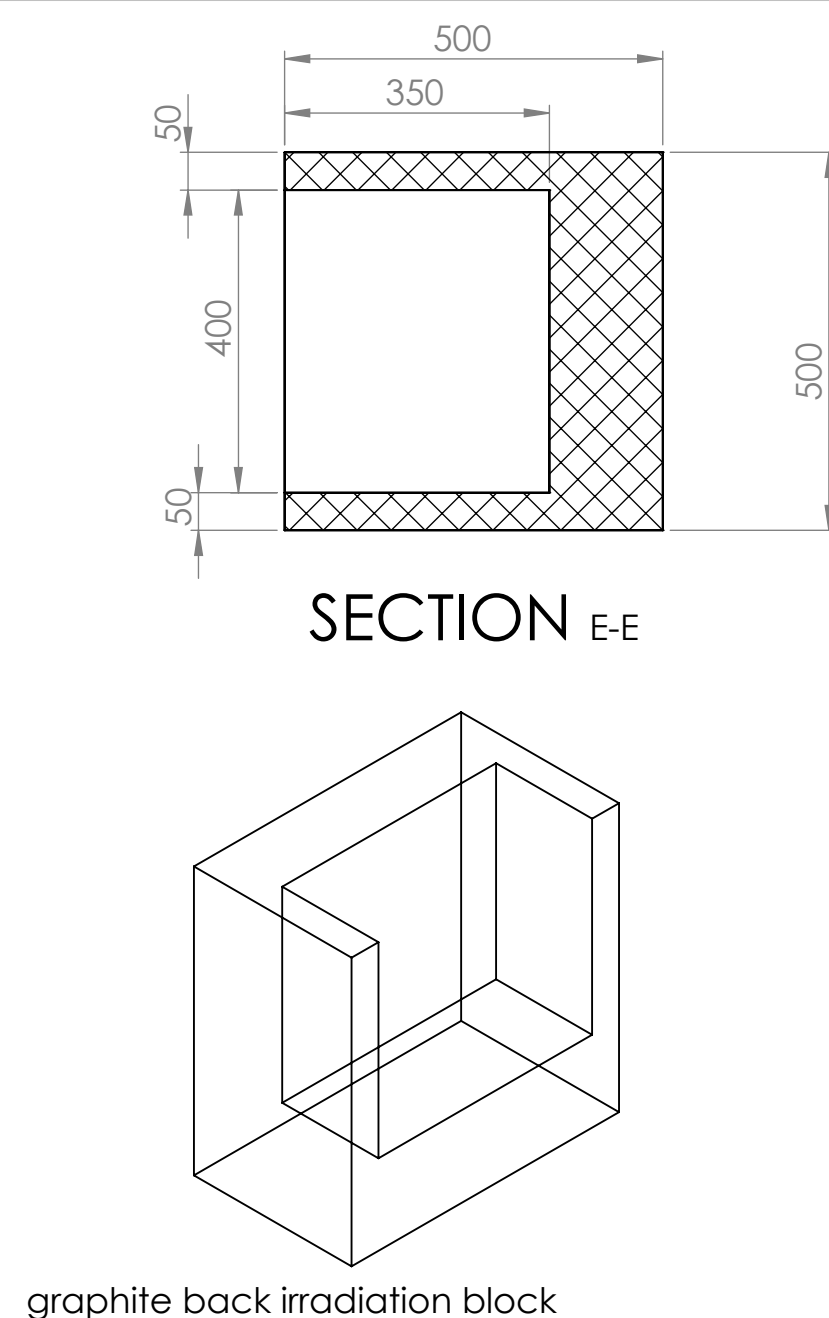


SS plate thickness 2 cm

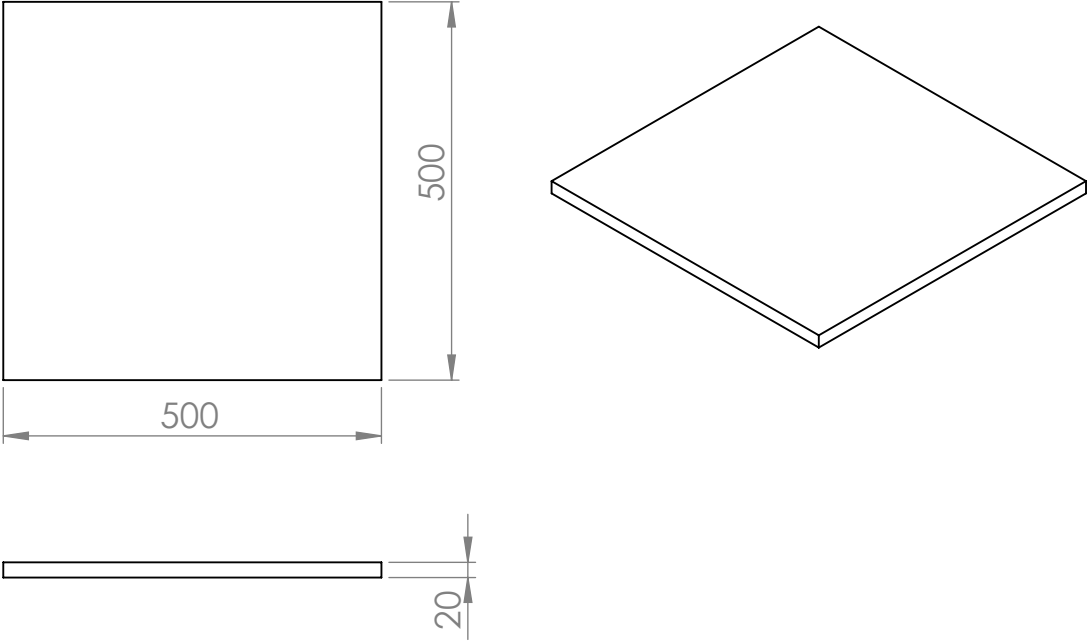


SS half block thickness 2 cm

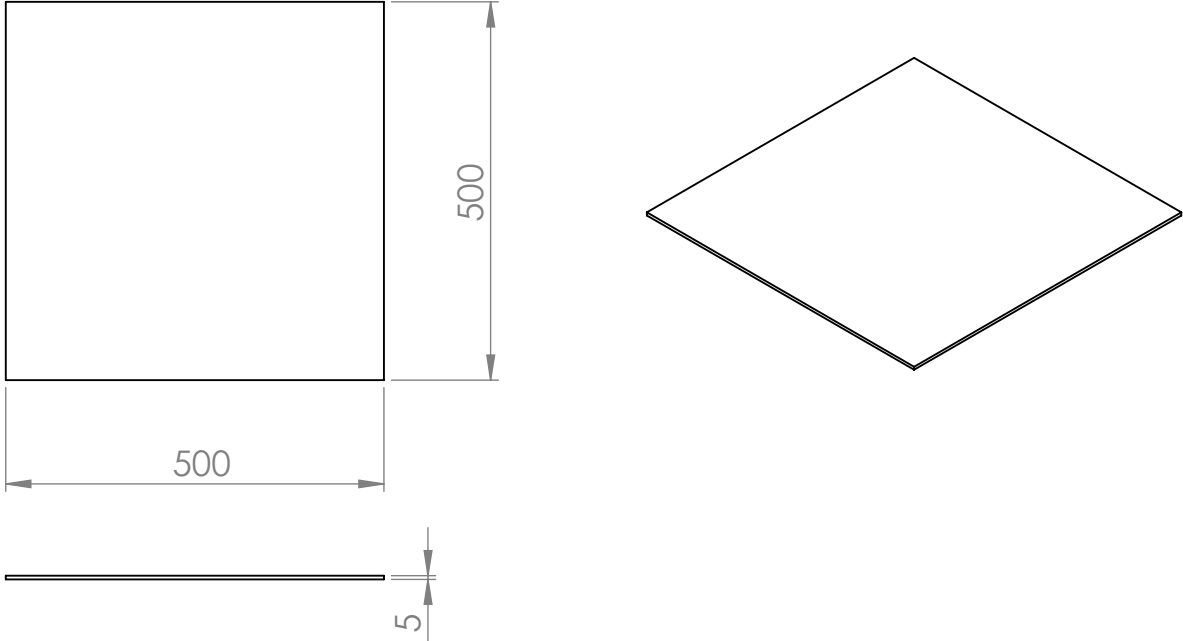
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING		REVISION			
	NAME		SIGNATURE		DATE			TITLE:  ss wall				
DRAWN												
CHK'D												
APP'VD												
MFG												
Q.A					MATERIAL:  AISI 304			DWG NO.  MA-3			A3	
					WEIGHT: 22400.00			SCALE:1:10			SHEET 3 OF 9	



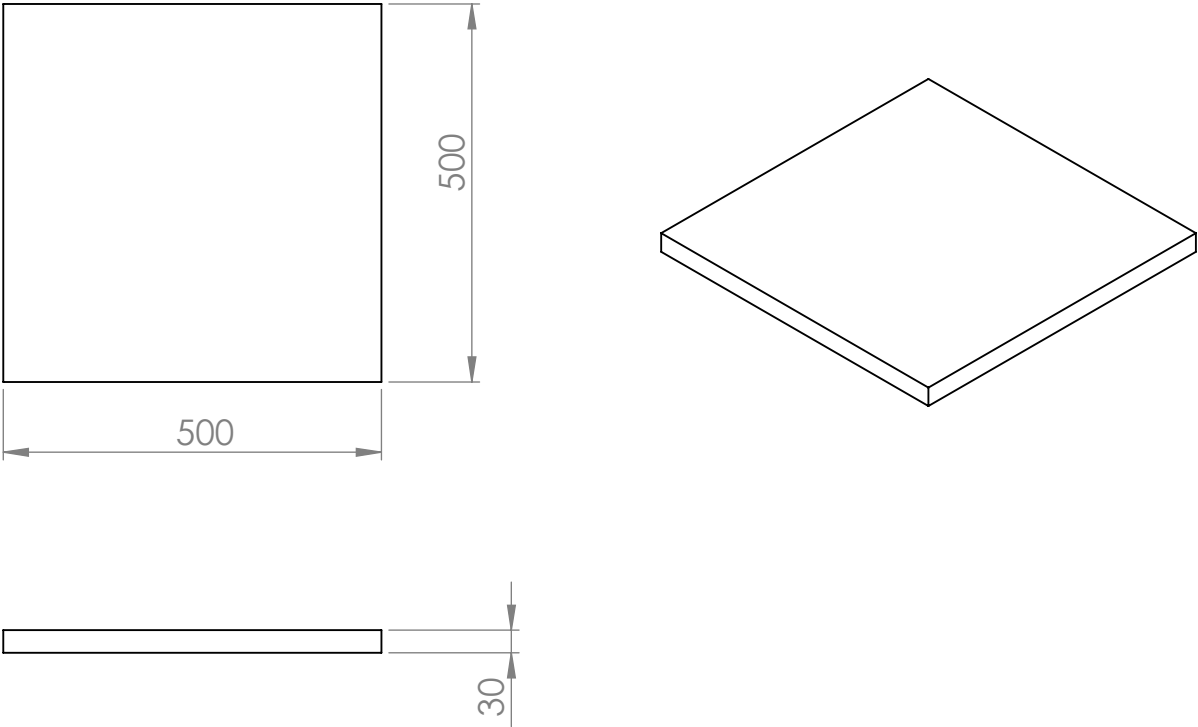
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	NAME		SIGNATURE		DATE					TITLE:  graphite back irradiation channel				
DRAWN														
CHK'D														
APP'VD														
MFG														
Q.A.					MATERIAL:  Graphite				DWG NO.  MA-4		A3			
					WEIGHT:				SCALE:1:10			SHEET 4 OF 9		



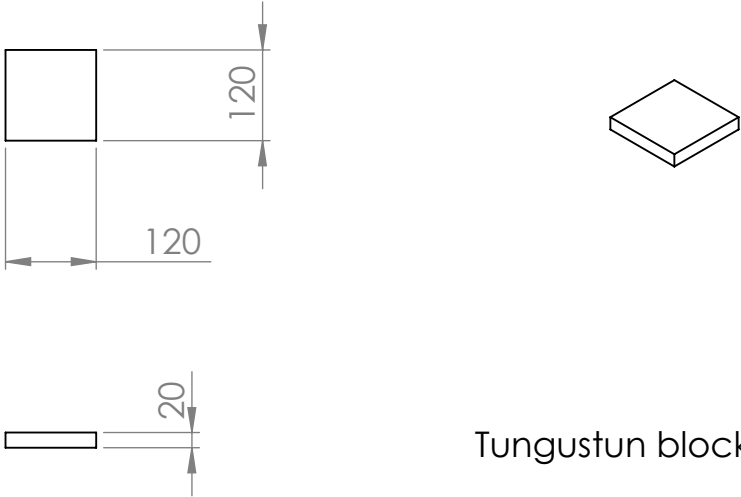
Lead plate thickness 2cm



Copper plate thickness 5 mm

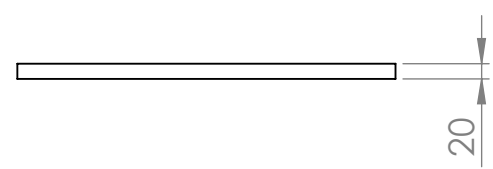
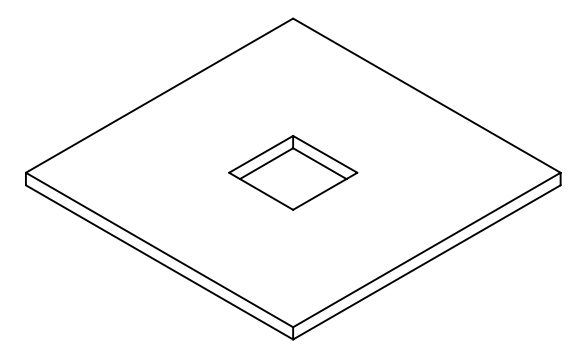
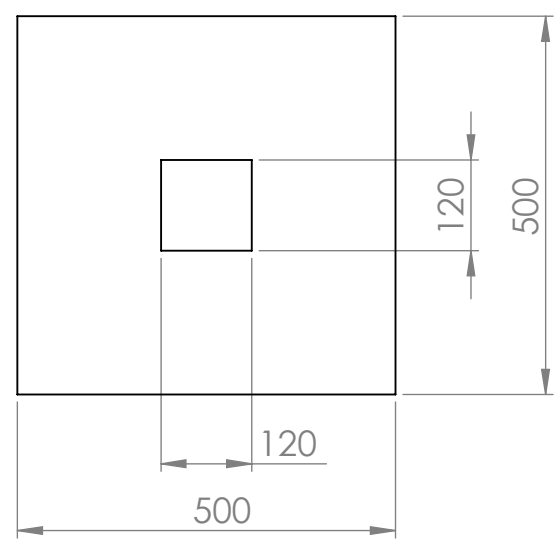


Lead plate thickness 3cm

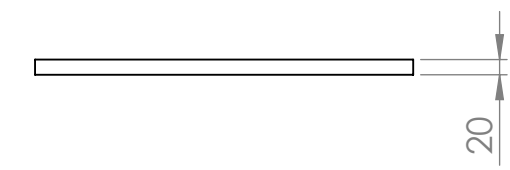
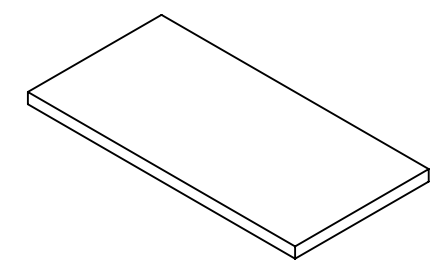
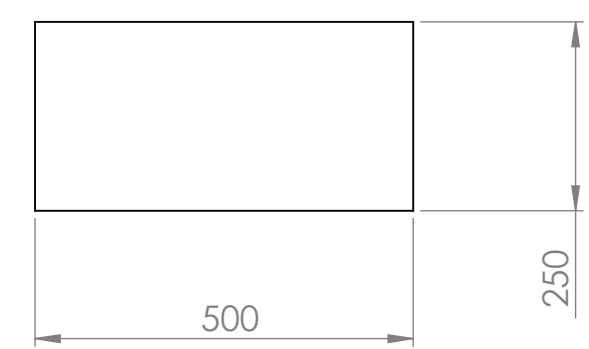


Tungustun block

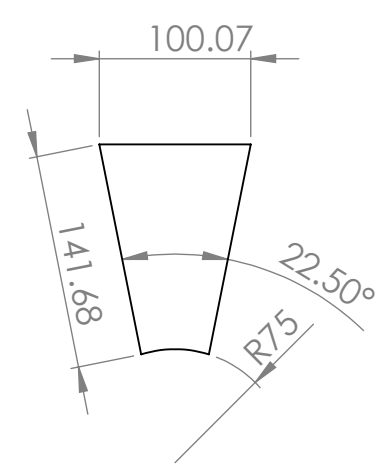
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:					FINISH:		DEBUR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING		REVISION
	NAME	SIGNATURE	DATE				MATERIAL: Lead,Copper , Tungusten	TITLE: Lead,Copper Plate and Tungusten Block		
DRAWN										
CHK'D										
APPV'D										
MFG										
Q.A							WEIGHT:	DWG NO.		A3
								MA-5		
								SCALE:1:10		SHEET 5 OF 9



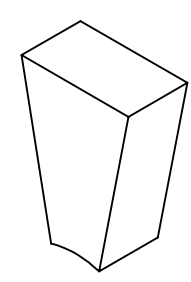
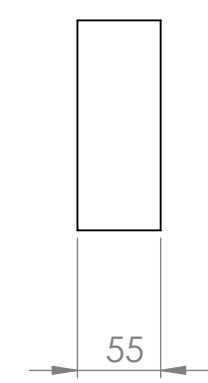
Aluminium block



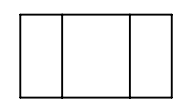
Aluminium half block



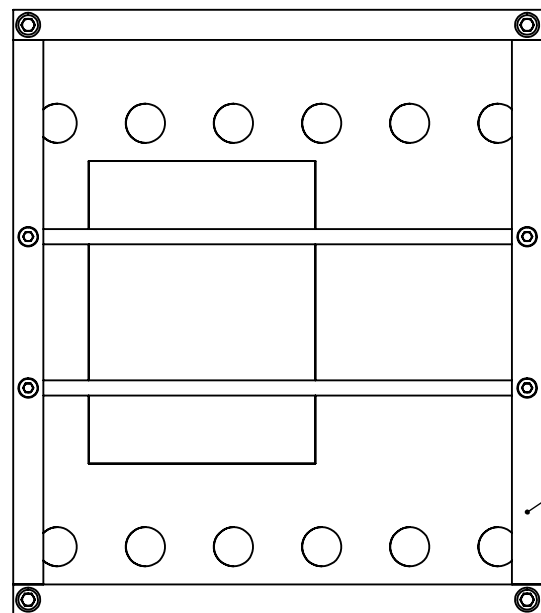
SCALE 1 : 5



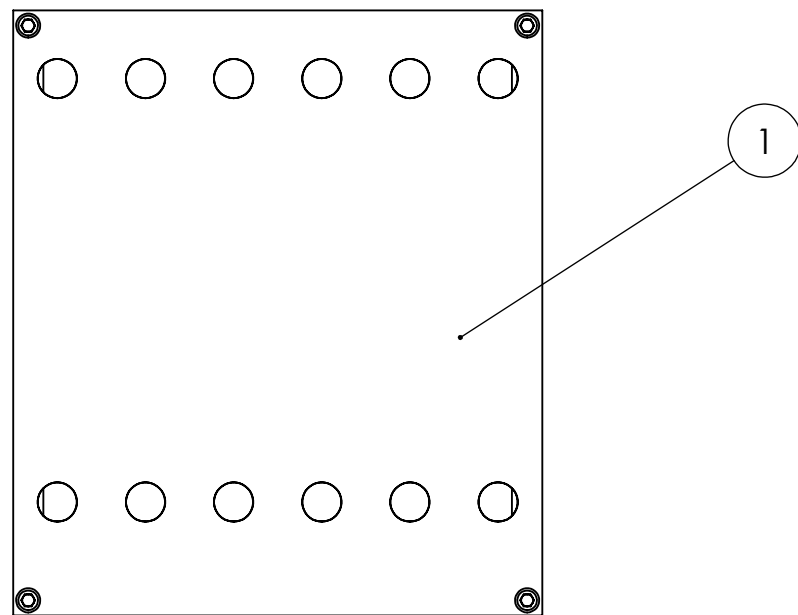
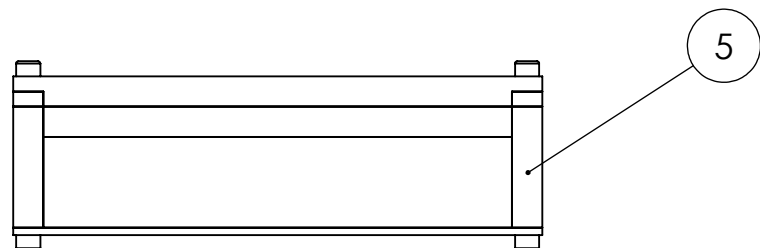
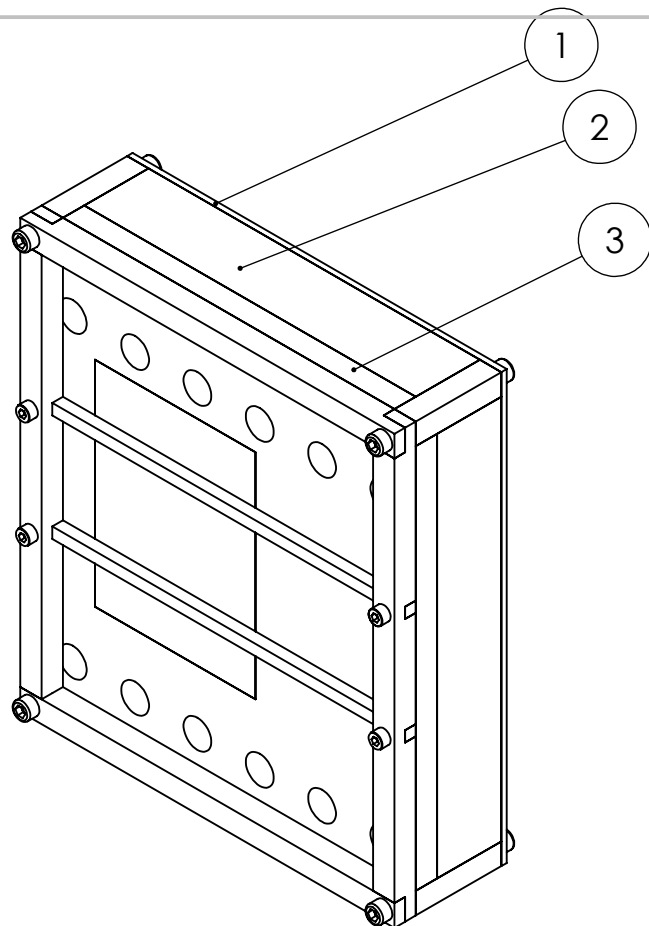
Plug for cooling line  
material: graphite



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION			
DRAWN		NAME		SIGNATURE		DATE		TITLE:  <b>Aluminium and Graphite block</b>		DWG NO.  <b>MA-6</b>		A3	
CHK'D													
APPV'D													
MFG													
Q.A													
								MATERIAL: <b>Aluminium and Graphite</b>		SCALE:1:10		SHEET 6 OF 9	
								WEIGHT:					

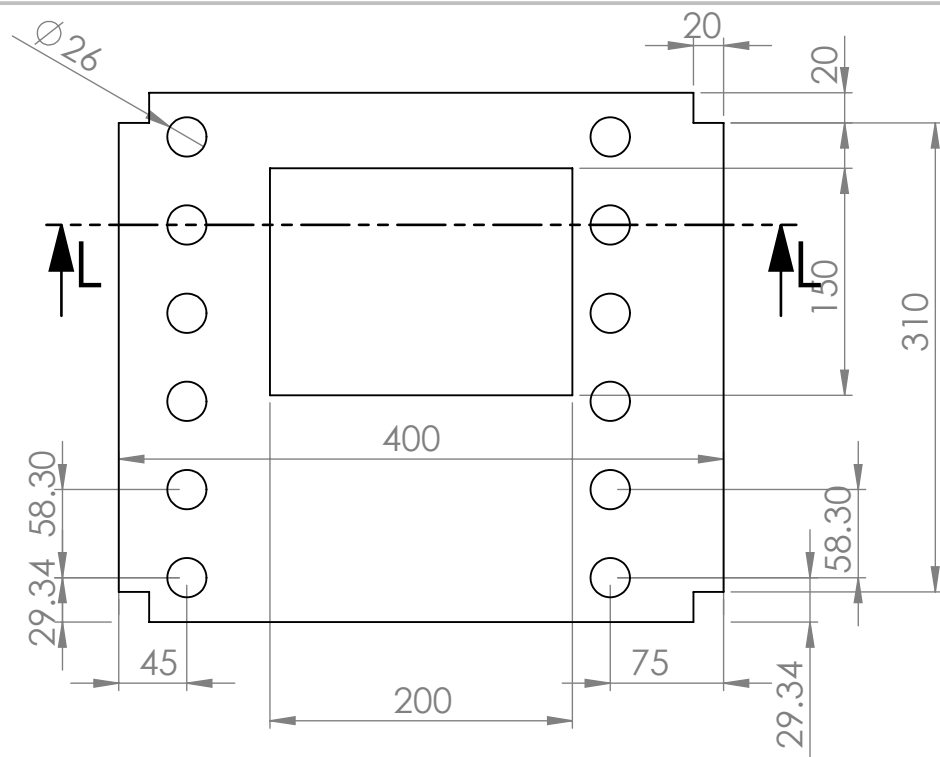


SCALE 1 : 5

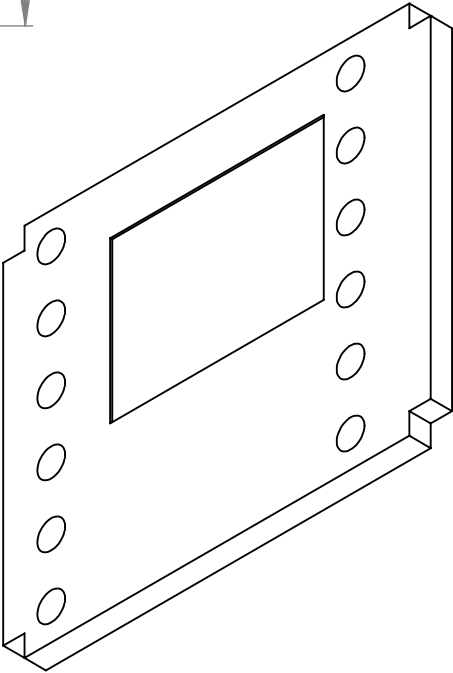


ITEM NO.	PART NUMBER	material	QTY.
1	door plate	mild steel	1
2	graphite back wall 2	Graphite	1
3	graphite back irradiation block 2	Graphite	1
4	tungustun sheet	Tungusten	1
5	sq channel	Mild steel	4
6	sq channel 22	Mild steel	2
7	sq channel 1	Mild steel	2
9	sq. rod	mild steel	2

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION		
DRAWN				NAME		SIGNATURE		DATE		TITLE:		
CHK'D										Back Plug assembly		
APPV'D												
MFG												
Q.A												
										DWG NO.		
										PA-1		
										A3		
										SCALE:1:10		
										SHEET 7 OF 9		



SCALE 1 : 5



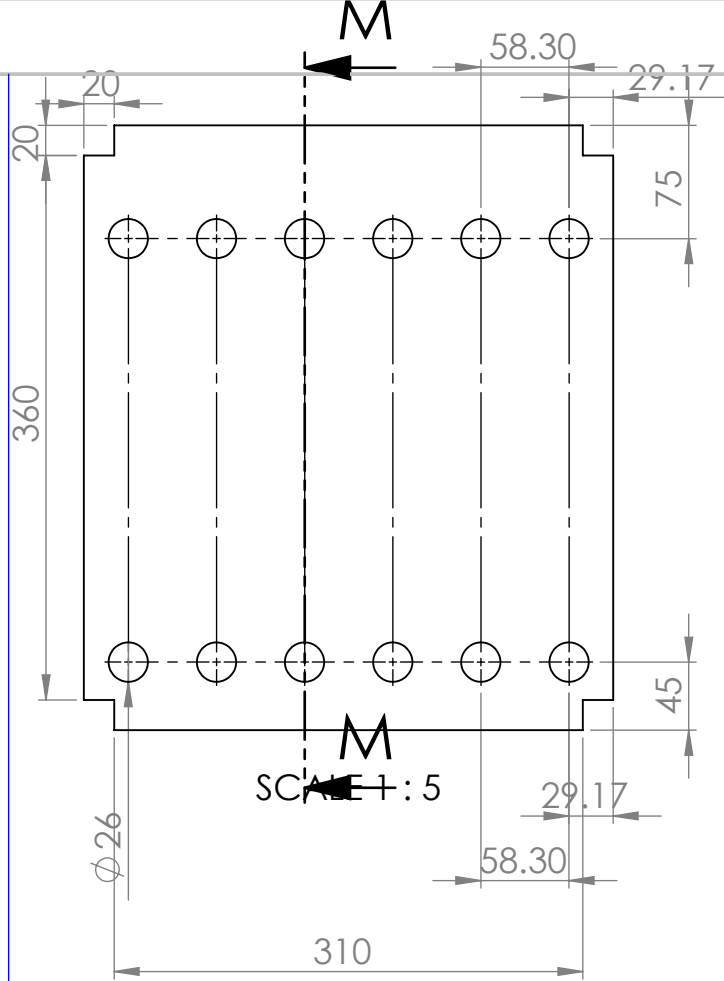
SCALE 1 : 5



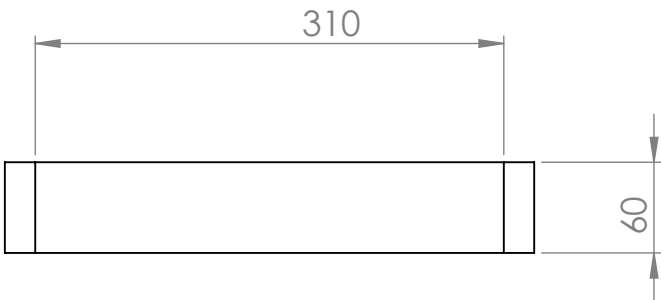
SECTION L-L

SCALE 1 : 5

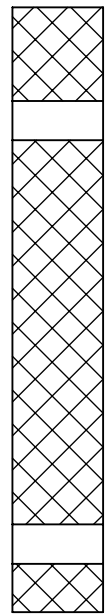
Graphite back irradiation block 2



SCALE 1 : 5

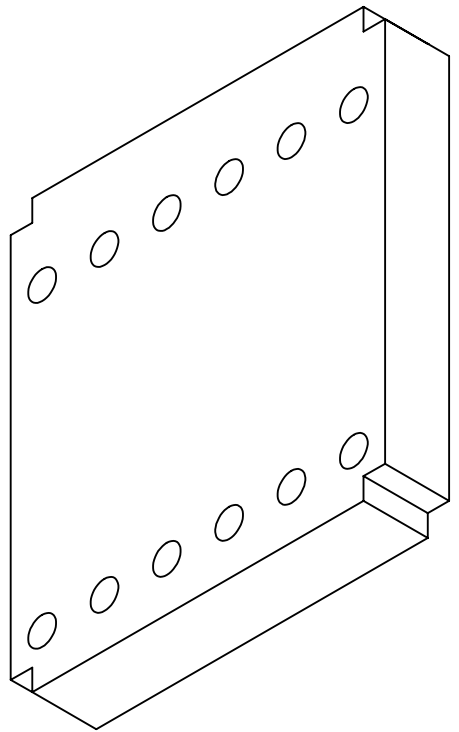


Graphite back wall 2



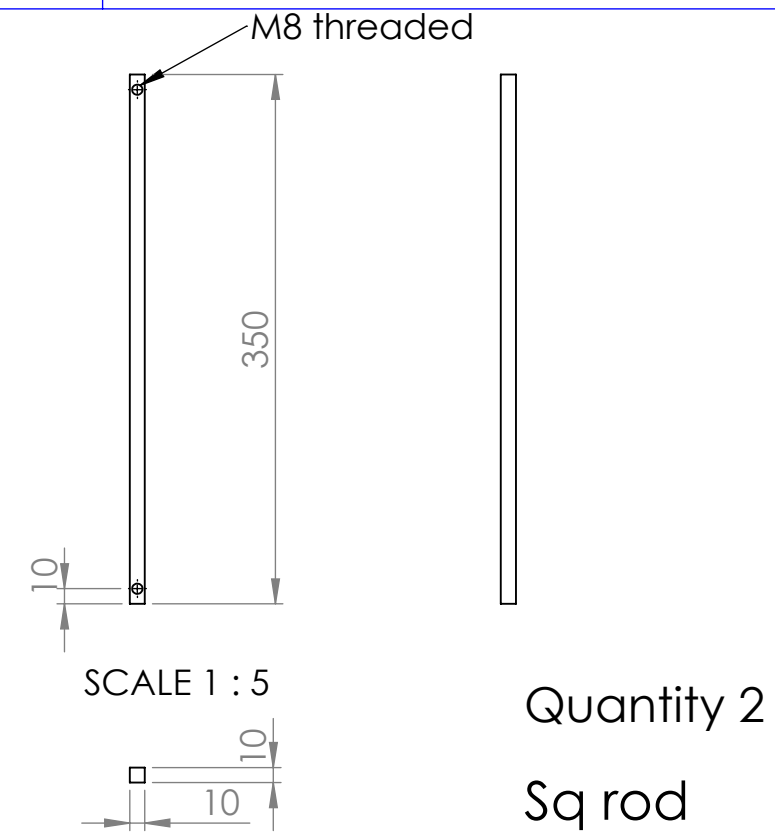
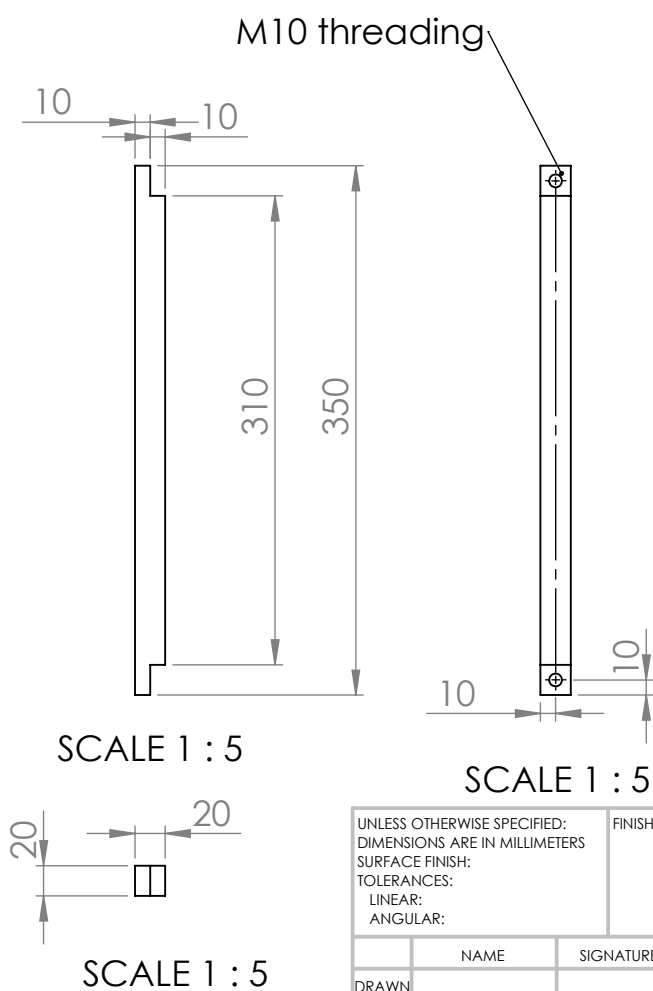
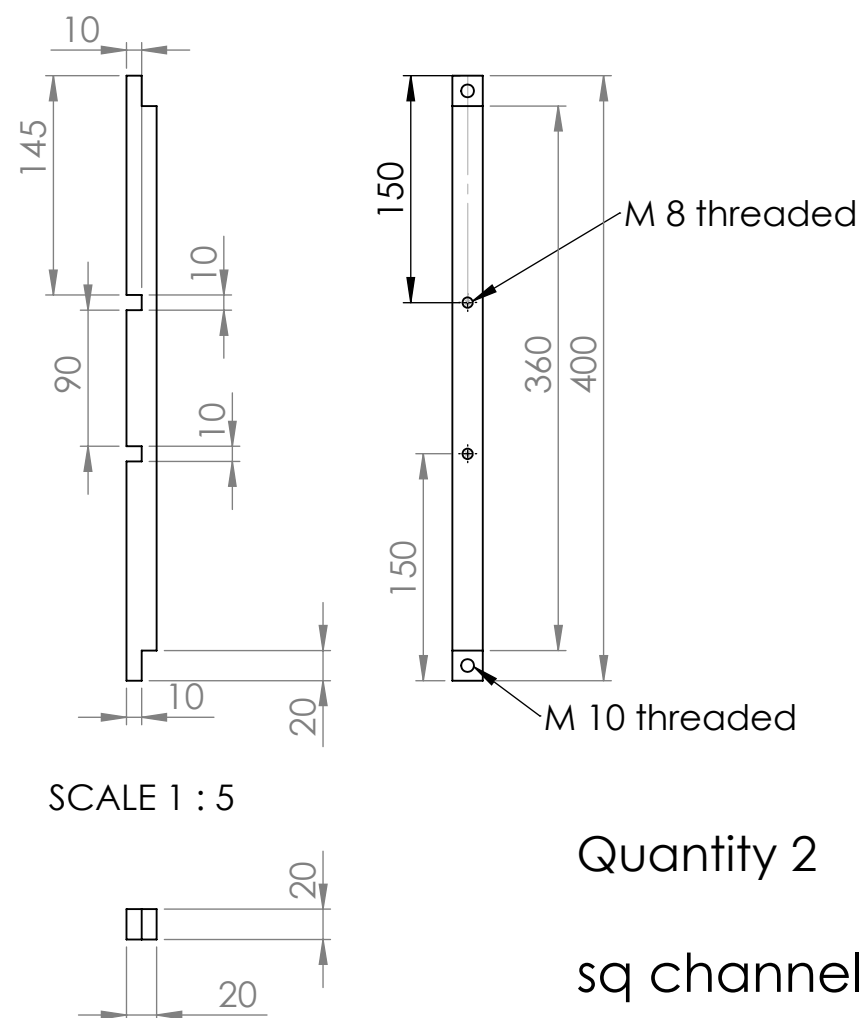
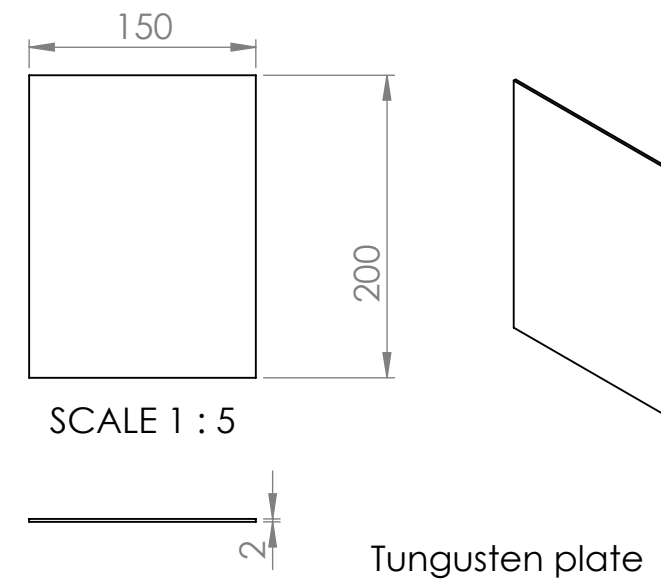
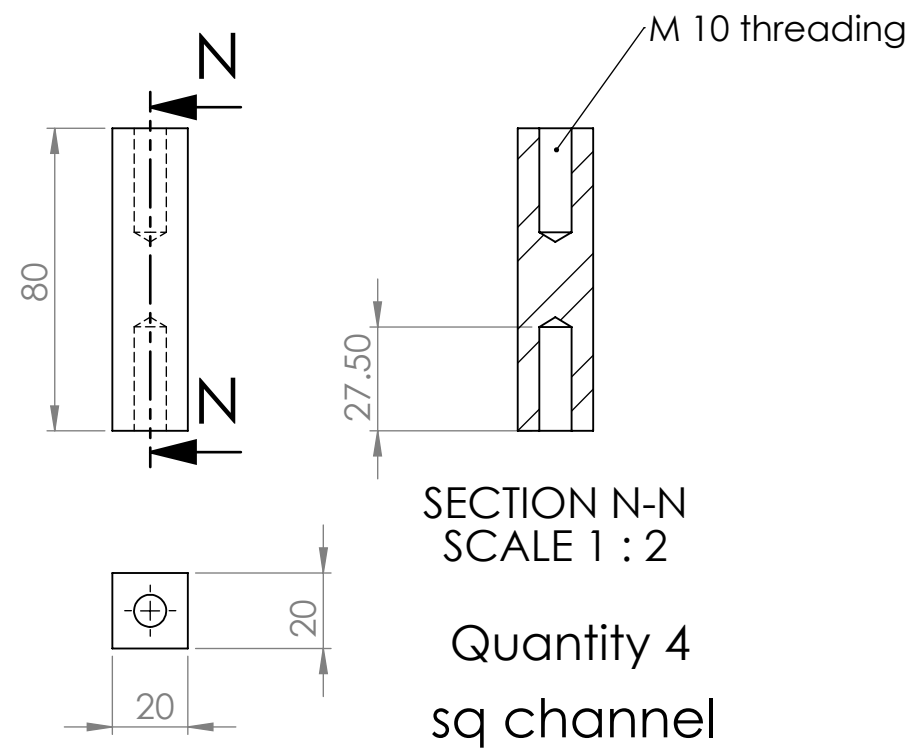
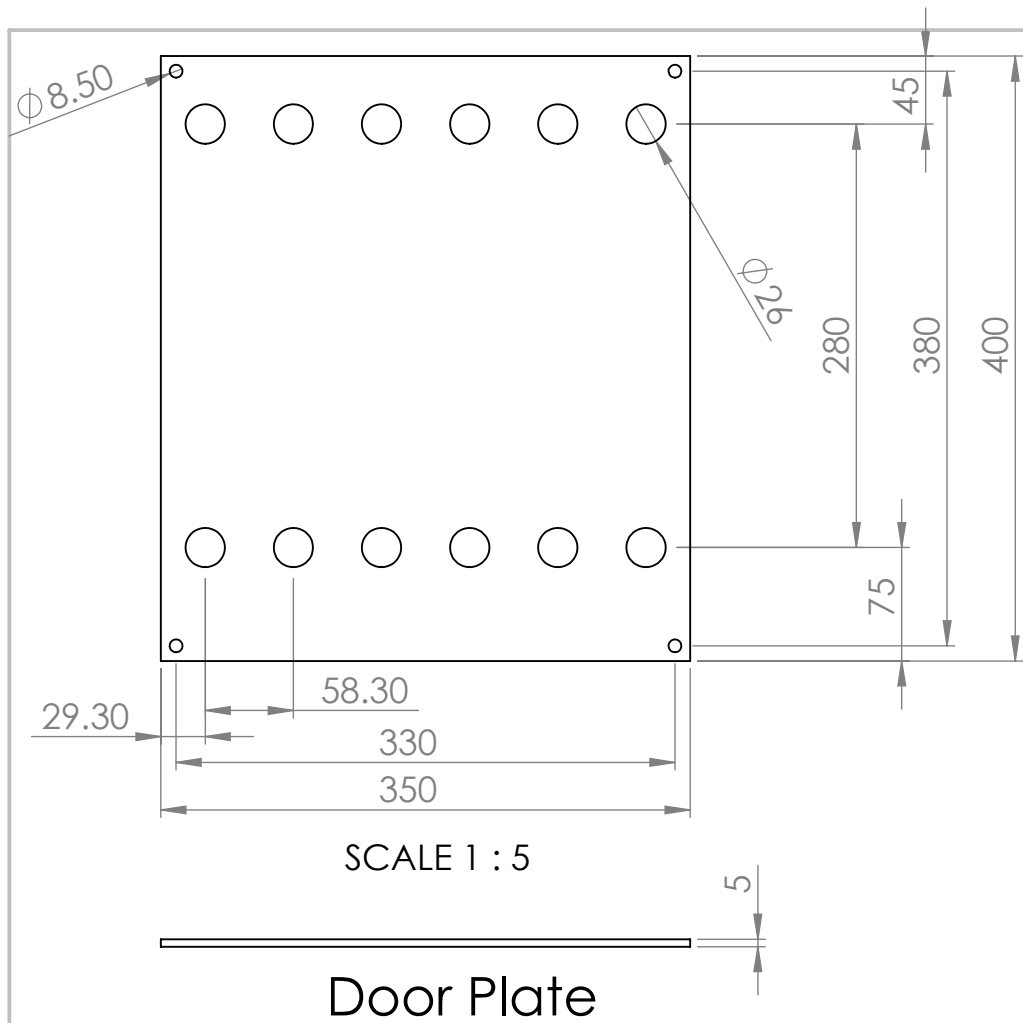
SECTION M-M

SCALE 1 : 5

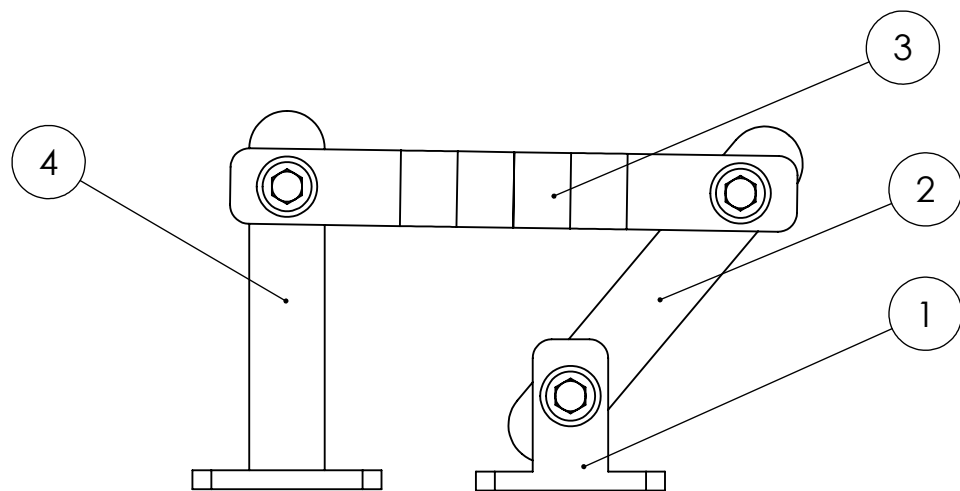
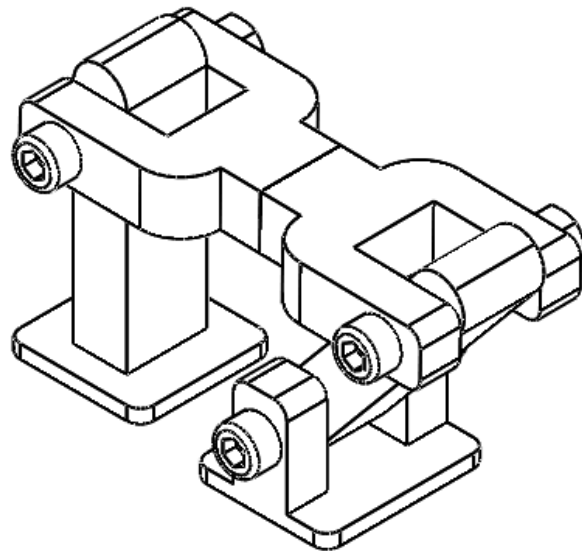
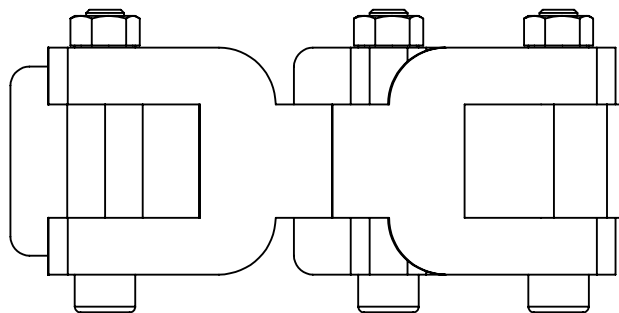


UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
								TITLE: Graphite back wall2 and graphite back irradiation block2			
	NAME	SIGNATURE	DATE								
DRAWN											
CHK'D											
APPV'D											
MFG							MATERIAL:  Graphite		DWG NO.  PA-2		A3
Q.A											
							WEIGHT:		SCALE:1:10		SHEET 8 OF 9



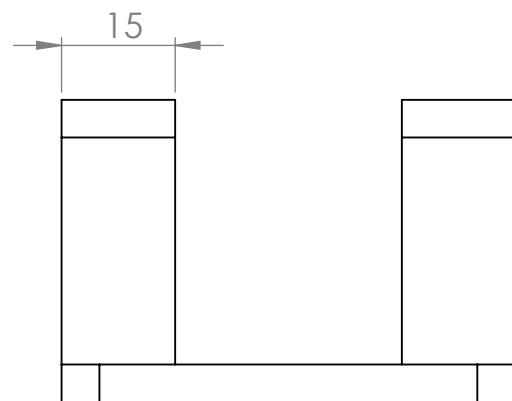
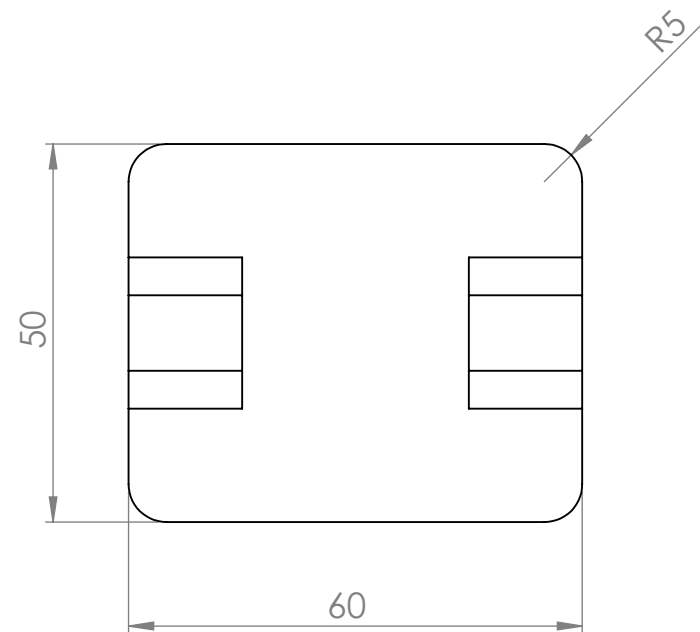


UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:				DEBUR AND BREAK SHARP EDGES				DO NOT SCALE DRAWING				REVISION					
												TITLE: mild steel parts and tungsten sheet									
DRAWN		NAME		SIGNATURE		DATE															
CHK'D																					
APPV'D																					
MFG																					
Q.A								MATERIAL: Mild steel and Tungusten		DWG NO.				PA-3				A3			
										SCALE:1:10				SHEET 9 OF 9							

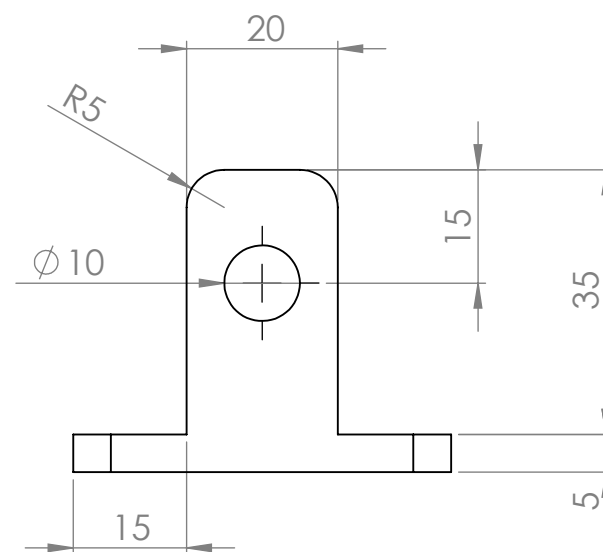
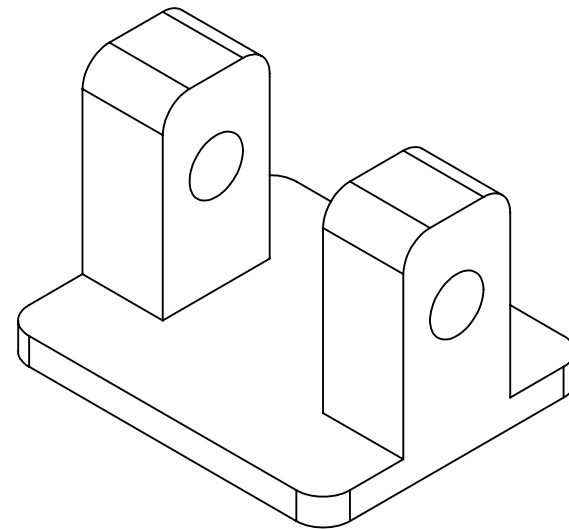


ITEM NO.	PART NUMBER	material	QTY.
1	Part1 hinge	Mild steel	1
2	Part2 hinge	Mild steel	1
3	Part3 hinge	Mild steel	1
4	Part4 hinge	Mild steel	1

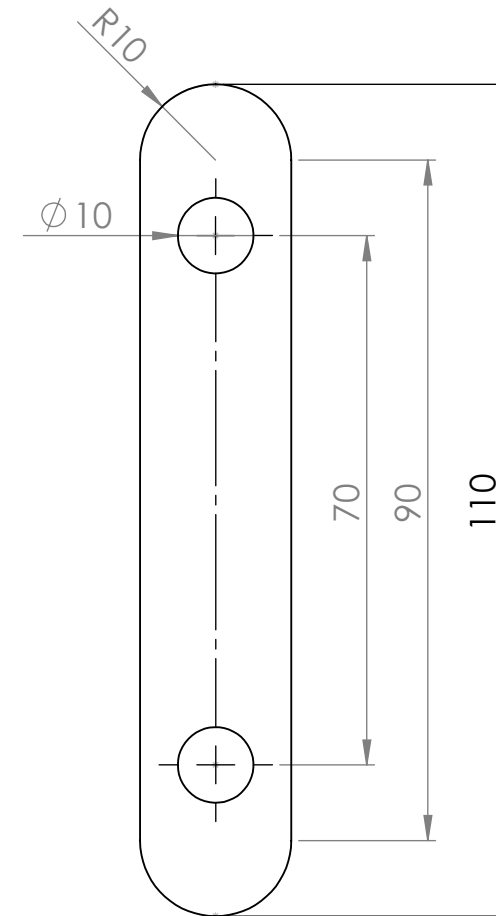
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION			
DRAWN		NAME		SIGNATURE		DATE		TITLE:  Hinge assembly		DWG NO.  HA-1		A3	
CHK'D													
APPV'D													
MFG													
Q.A													
								MATERIAL:					
								WEIGHT:		SCALE:1:2		SHEET 1 OF 3	



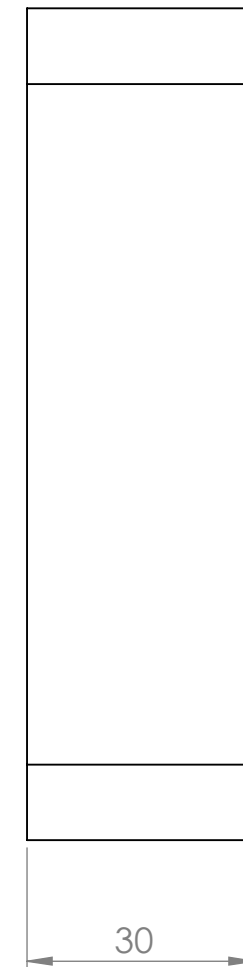
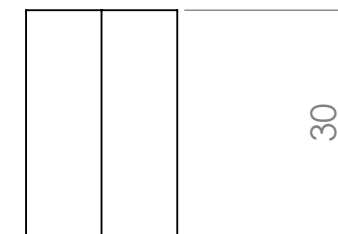
SCALE 1 : 1



Part 1

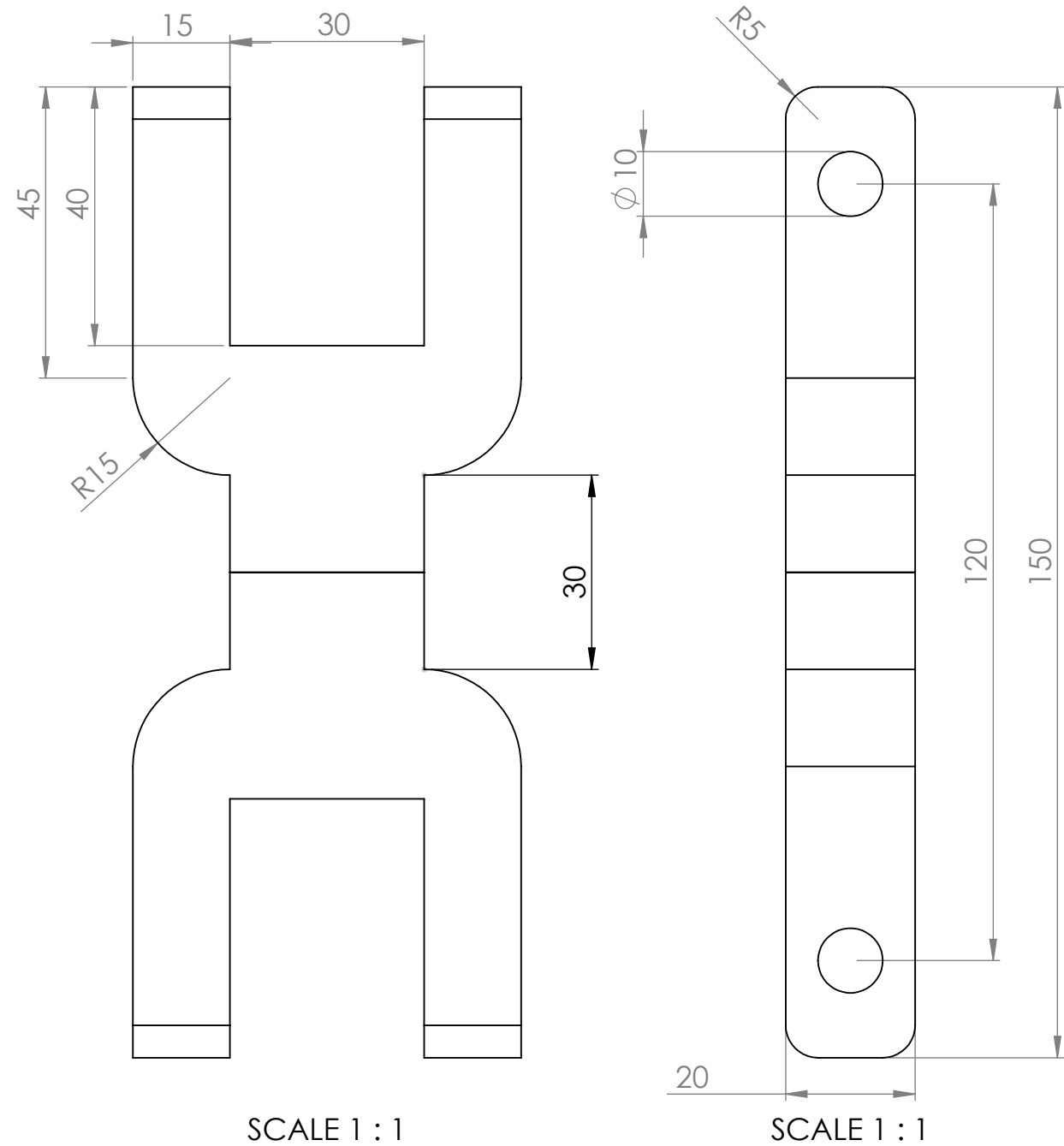


SCALE 1 : 1

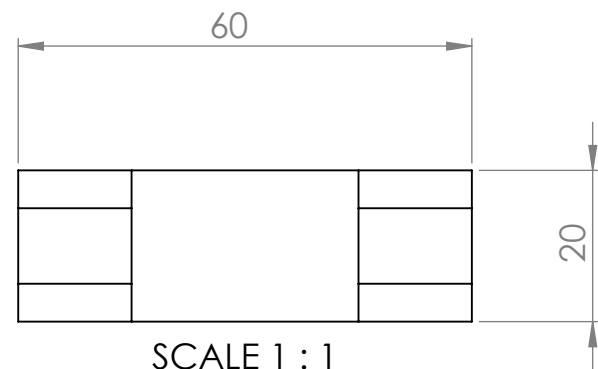


Part 2

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
DRAWN				NAME		SIGNATURE		DATE		TITLE:  <b>Part 1 and part 2</b>	
CHK'D											
APPV'D											
MFG											
Q.A											
								MATERIAL: <b>Mild steel</b>		DWG NO. <b>HA-2</b>	
								WEIGHT:		SCALE:1:2	
										SHEET 2 OF 3	

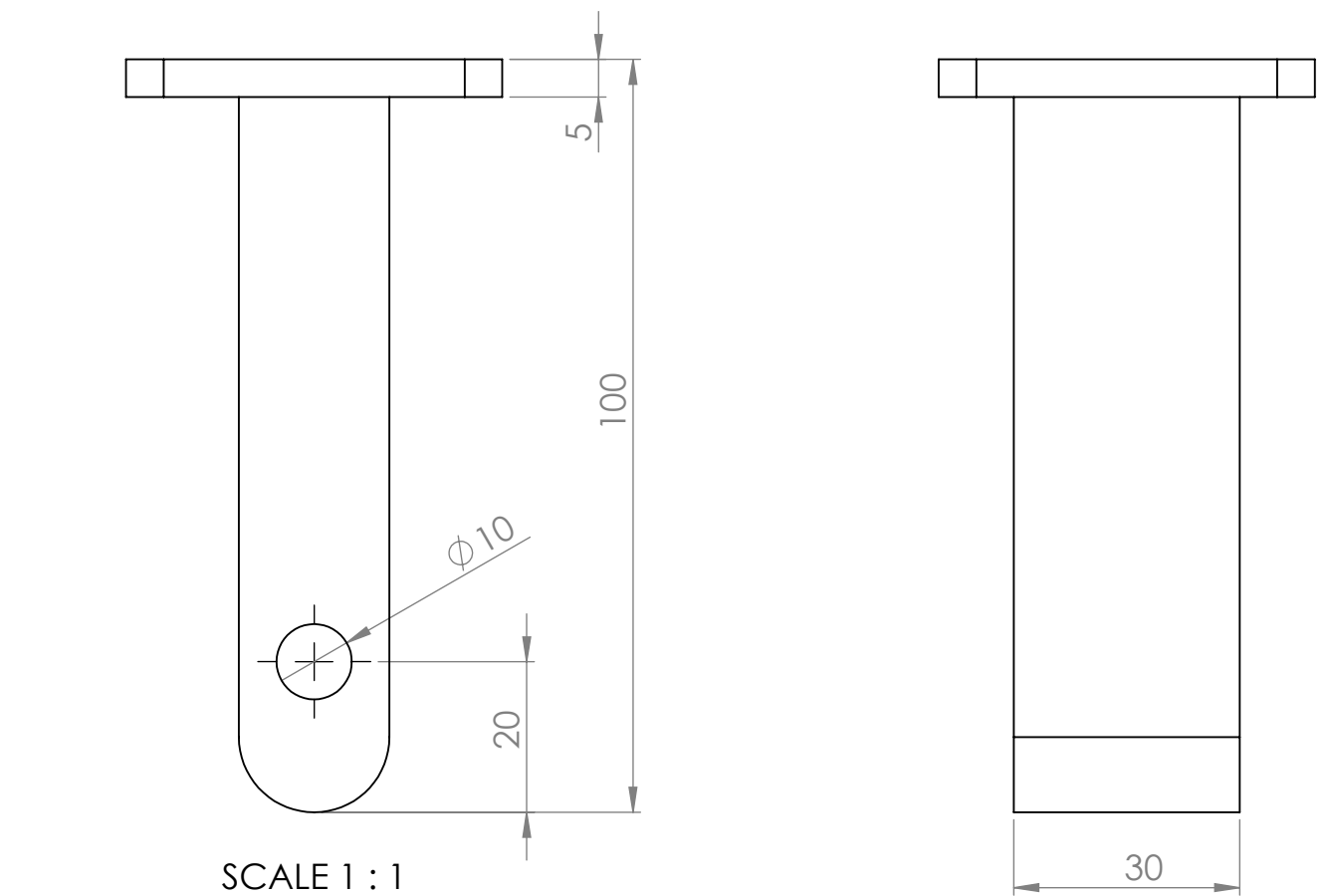


SCALE 1 : 1

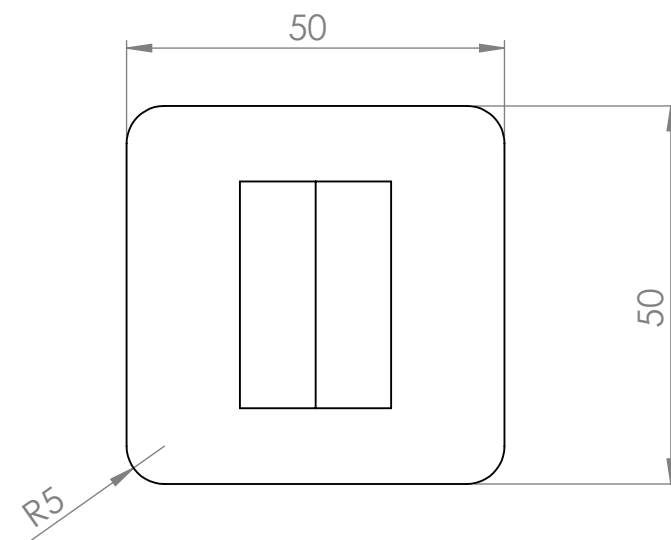


SCALE 1 : 1

Part 3



SCALE 1 : 1



Part 4

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:					FINISH:		DEBUR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING		REVISION		
	NAME		SIGNATURE		DATE				TITLE:  Part 3 and part 4			
DRAWN												
CHK'D												
APP'VD												
MFG												
Q.A						MATERIAL:  Mild Steel		DWG. NO.		HA-3		
										A3		
							WEIGHT:		SCALE:1:2		SHEET 3 OF 3	