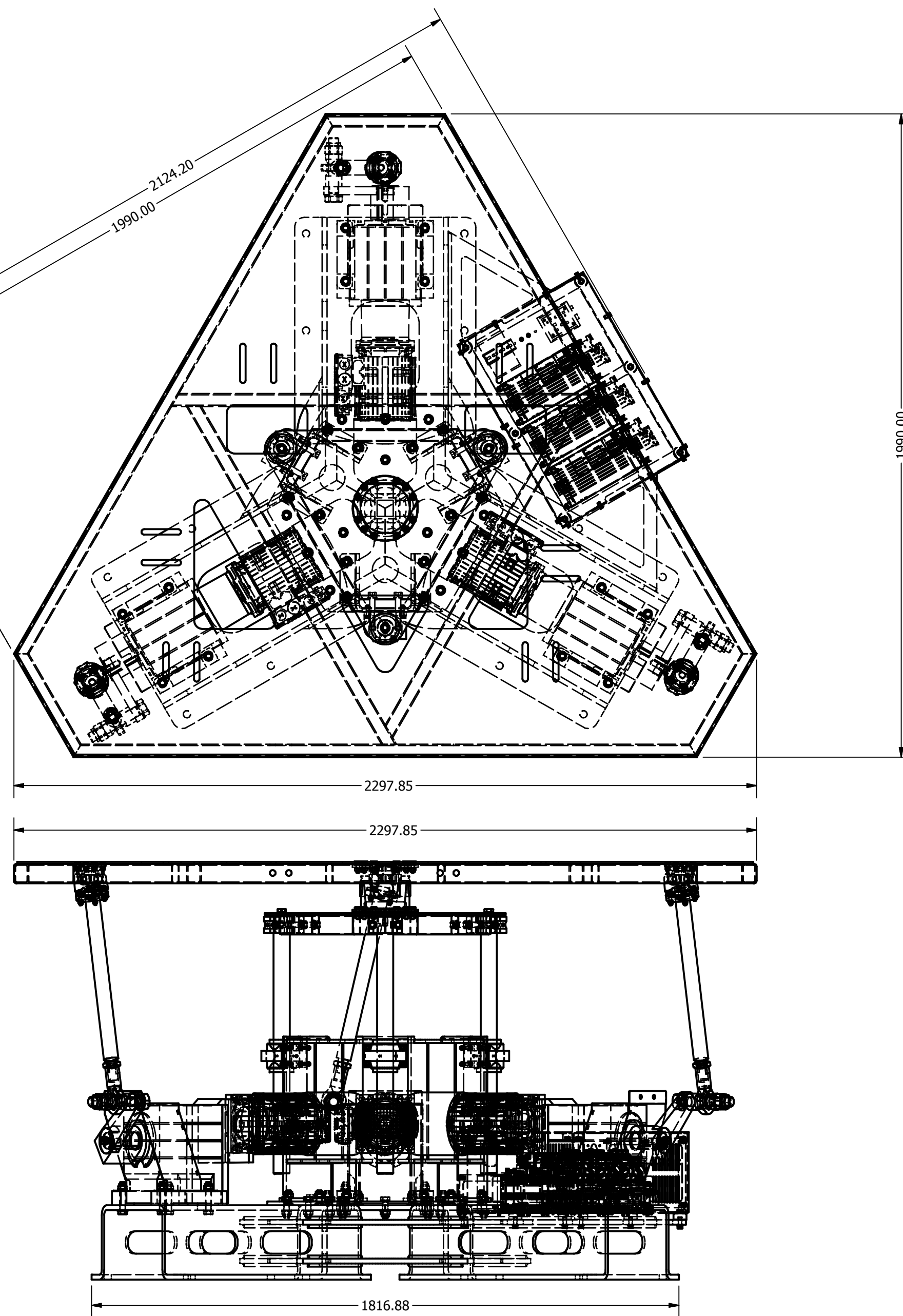
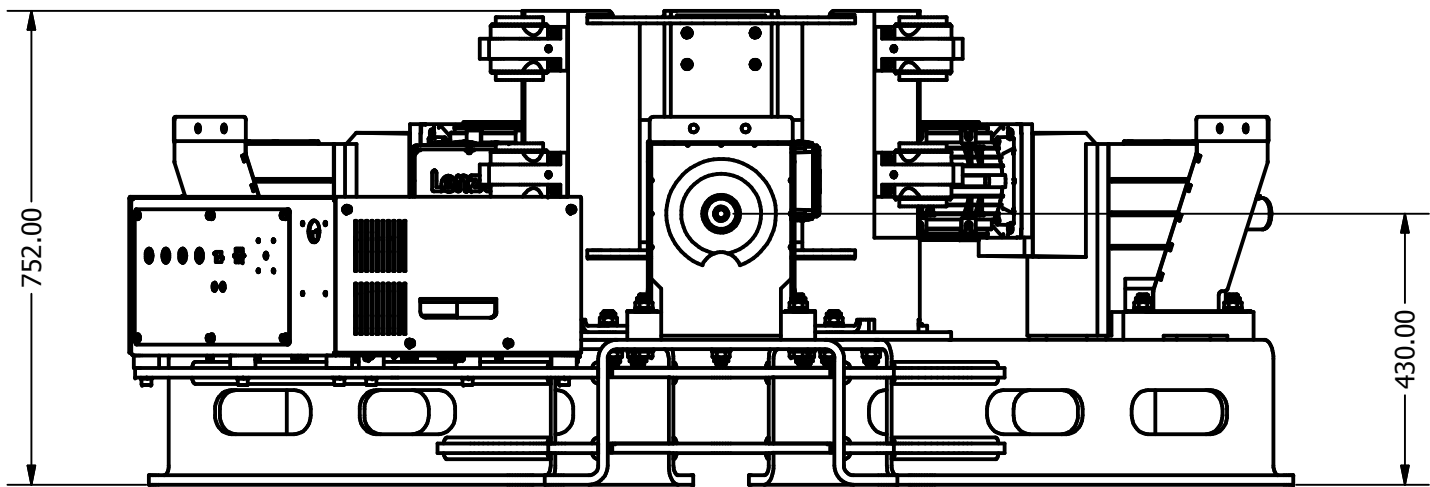
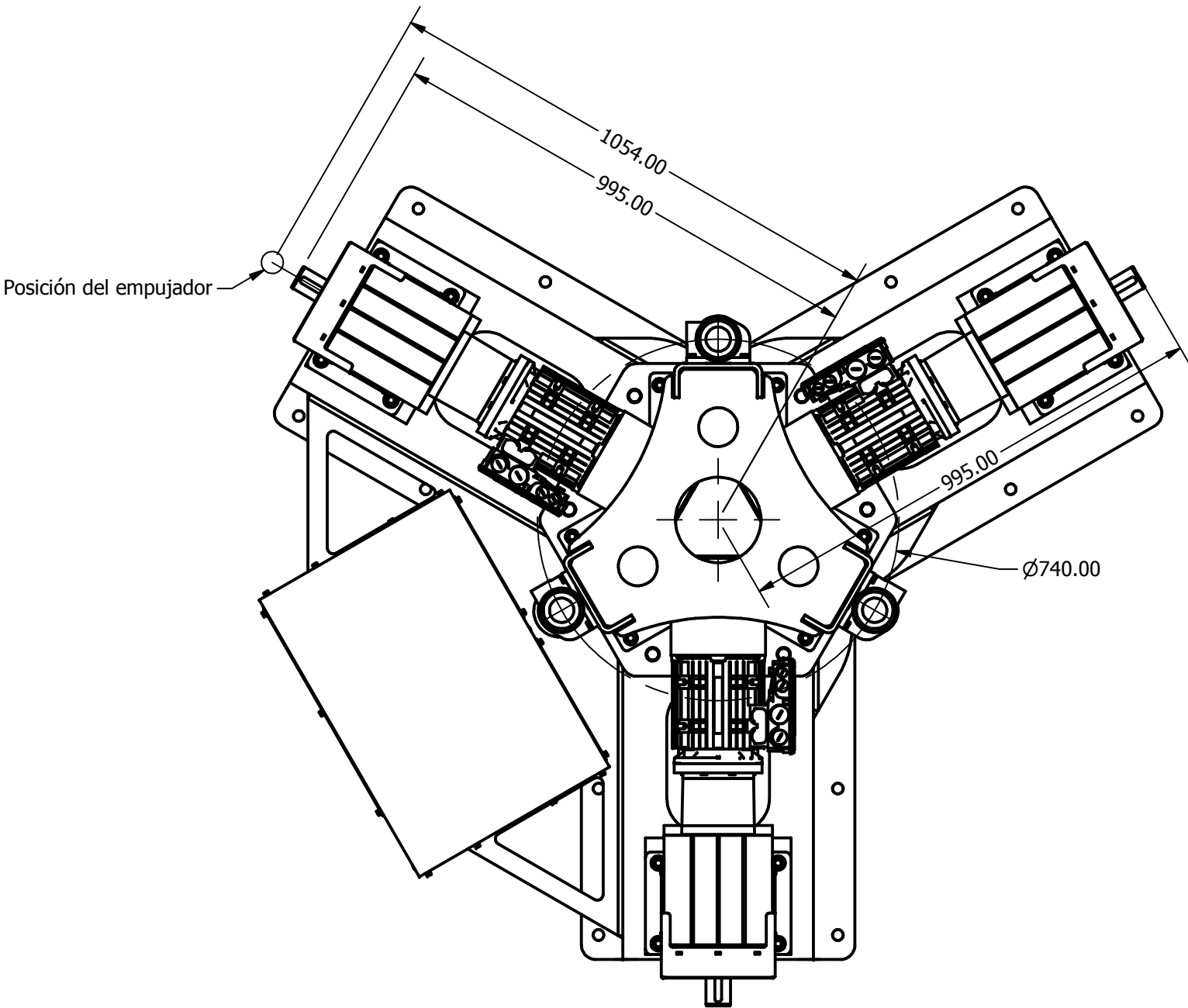
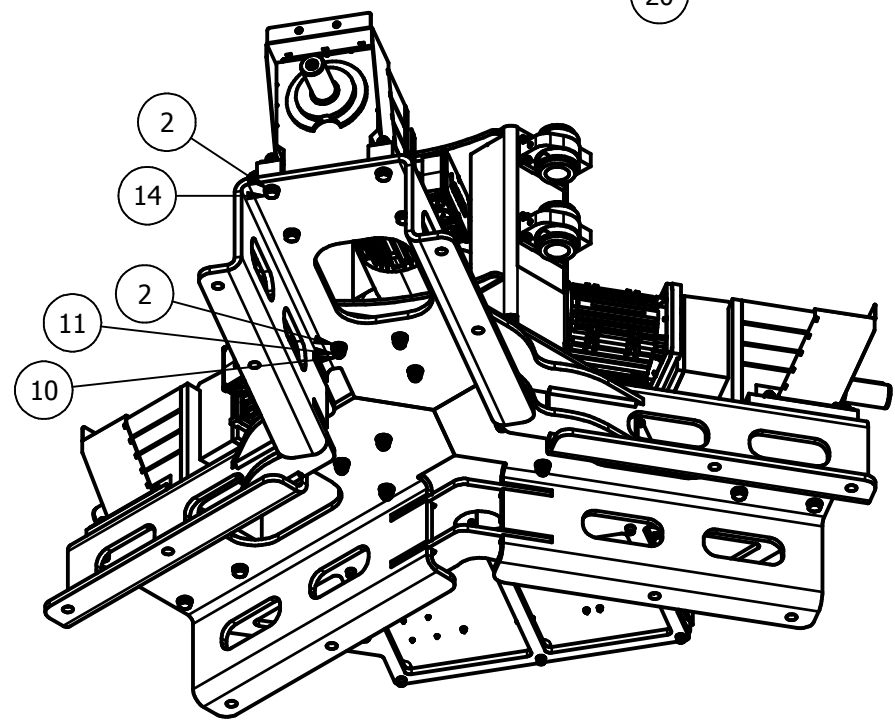
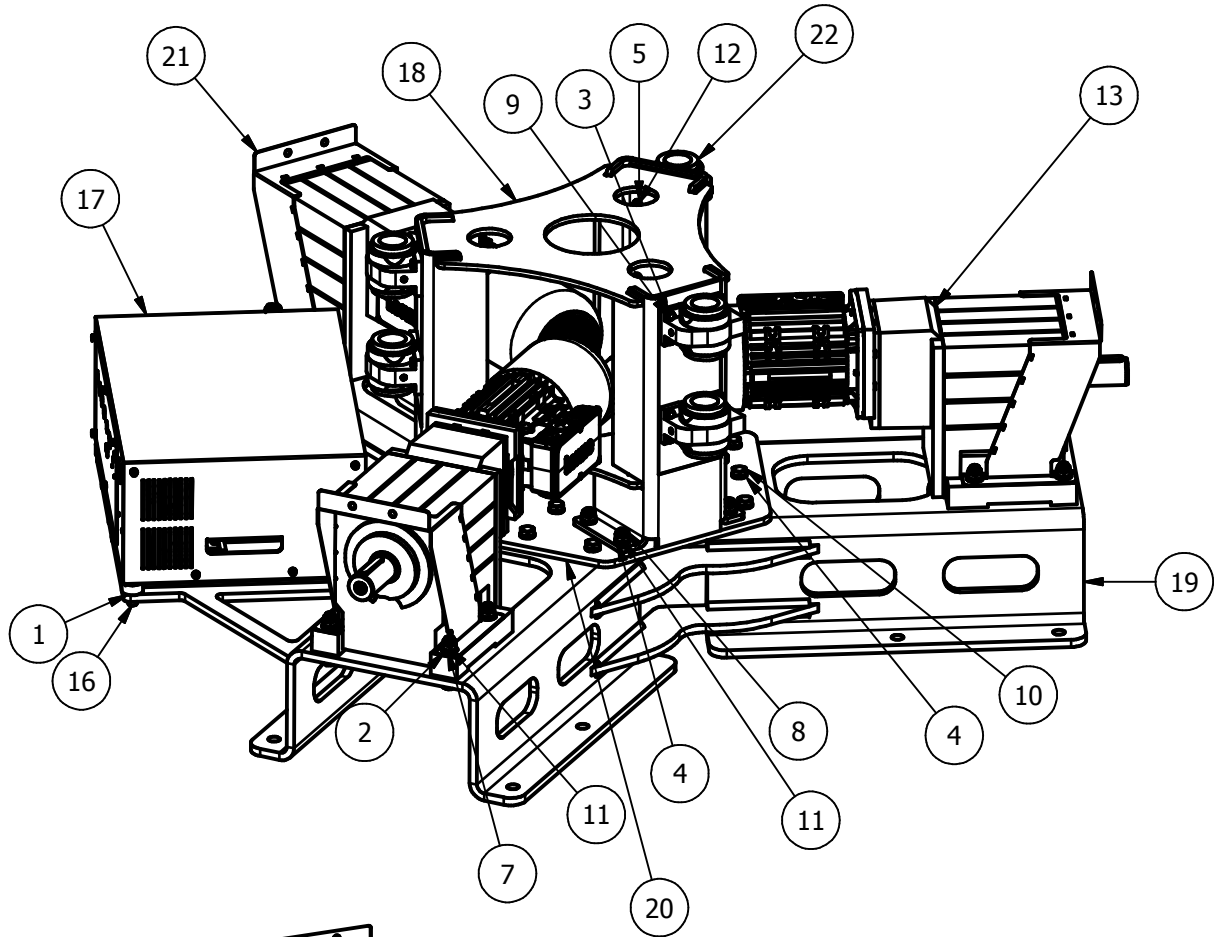


LHD-3DF-V002
SCALE 1 / 12



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	3	Articardan_cruz_A-CC-131	Cruz cardan 131
2	1	Articardan_cruz_A-CC-170	Cruz cardan A-CC-170
3	3	DIN 127 - A 14	Spring Washer
4	3	DIN 933 - M14 x 30	Hex-Head Bolt
5	1	LHD-3DF-V002-BACG002	Base carga, conjunto
6	1	LHD-3DF-V002-BASC001	Base equipada, conjunto
7	3	LHD-3DF-V002-EMPC001	Empujador conjunto
8	3	LHD-3DF-V002-LEVCO02	Leva, conjunto
9	1	LHD-3DF-V002-STGA002	Sistema guia

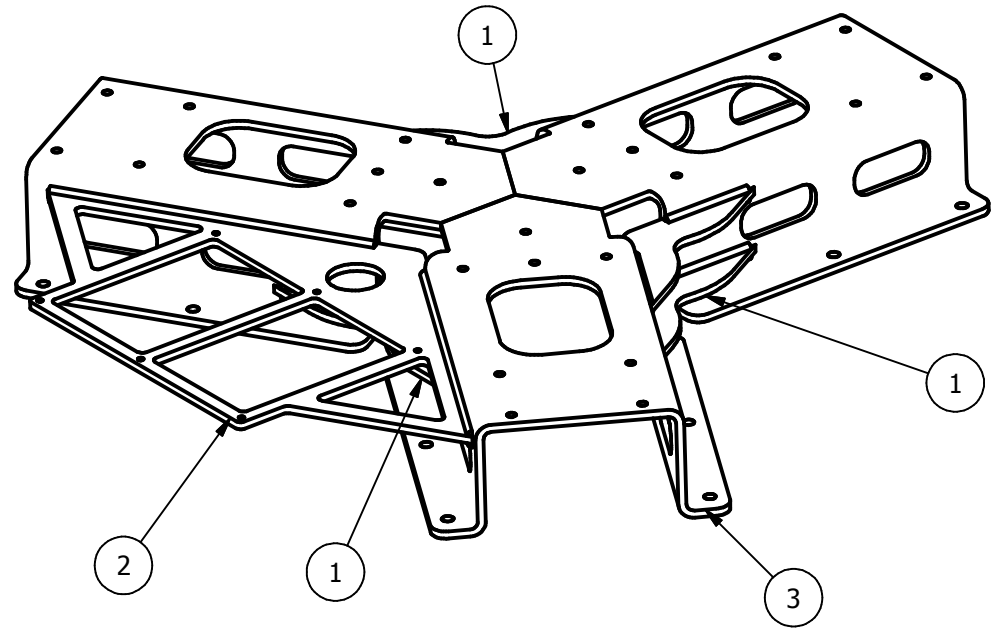
DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE Plataforma de movimiento 1 tonelada		
QA				
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE		SHEET 1 OF 25



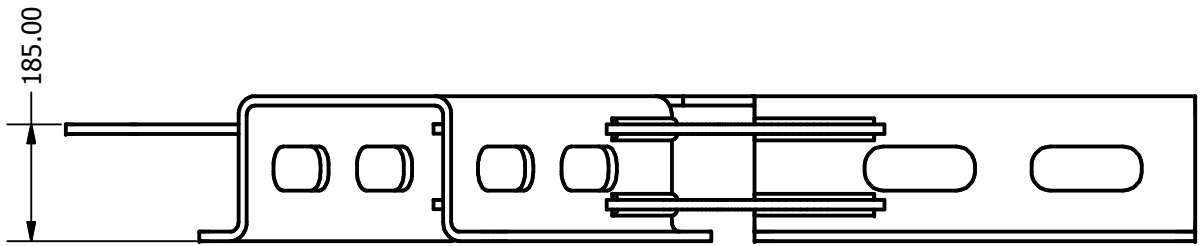
LHD-3DF-V002-BASC001
SCALE 1 / 12

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	520029-limo	LIMO Amortiguador cilíndrico B
2	36	DIN 125 - A 17	Washer
3	24	DIN 125 - A 8,4	Washer
4	24	DIN 127 - A 16	Spring Washer
5	24	DIN 127 - A 8	Spring Washer
6	12	DIN 128 - A10	Spring Washer
7	12	DIN 128 - A16	Spring Washer
8	12	DIN 7991 - M16 x 45	Countersunk Screw
9	24	DIN 931-1 - M8 x 35	Hex-Head Bolt
10	12	DIN 933 - M16 x 55	Hex-Head Bolt
11	36	DIN 985 - M16	Hex Nut
12	24	DIN 985 - M8	Hex Nut
13	3	GST09-3M VBR 100C12	Motor asincrono con reductora
14	12	ISO 4014 - M16 x 90	Hexagon head bolt - product grades A and B
15	6	ISO 4032 - M10	Hexagon nuts, style 1 - Product grades A and B
16	6	ISO 4762 - M10 x 25	Hexagon Socket Head Cap Screw
17	1	LHD-3DF-V001-CAEQ001	Caja equipos
18	1	LHD-3DF-V002-ARO002	
19	1	LHD-3DF-V002-BASS001	Base, soldada
20	1	LHD-3DF-V002-PSGV001	Placa soporte guía verticales, chapa 12 mm, acabado negro texturizado
21	3	LHD-3DF-V002-SPFC002	Soporte fin de carrera, chapa 4 mm plegada, acabado negro texturado
22	6	PAGBA50-PP-AS	Permaglide® linear plain bearing and housing unit

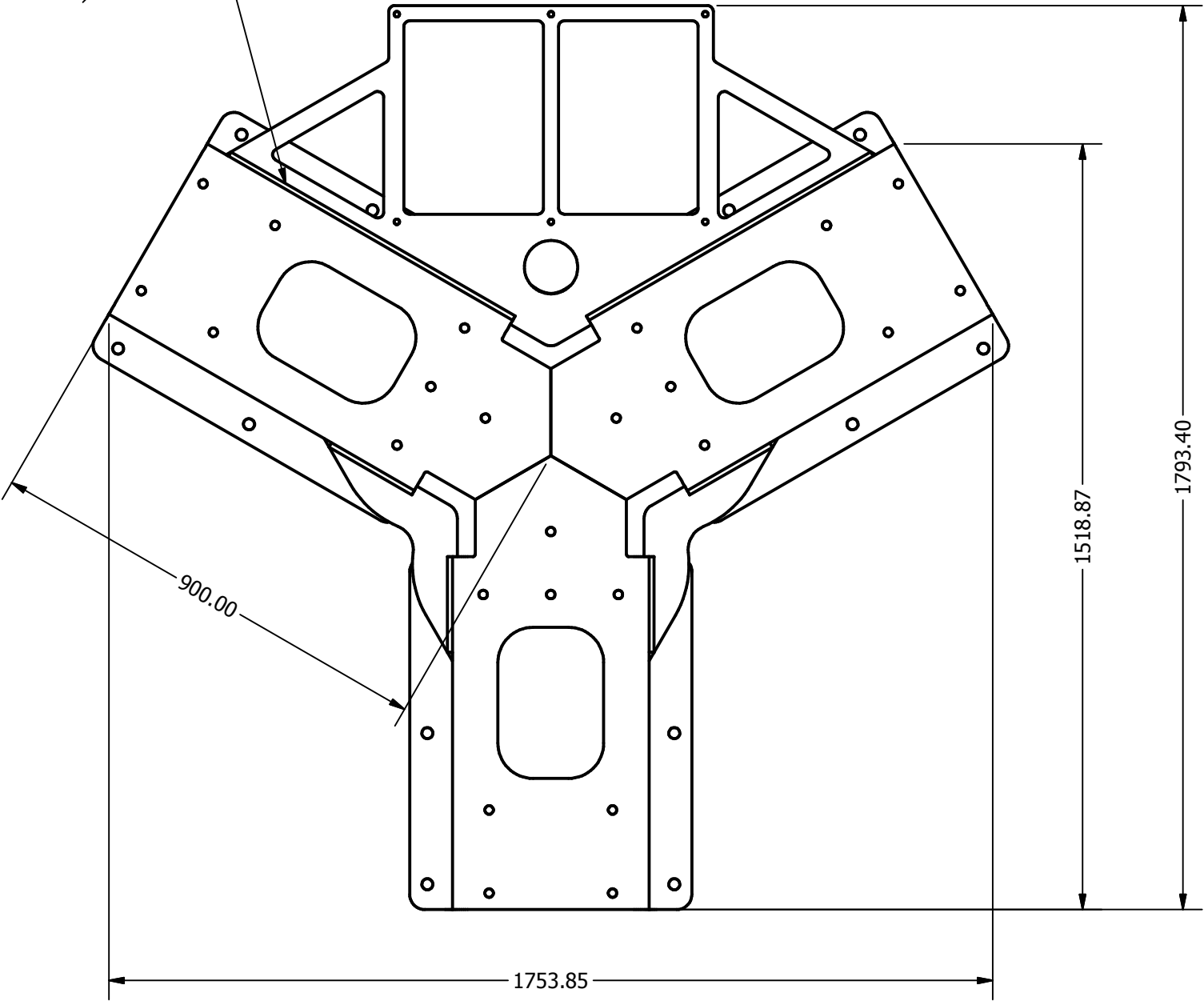
DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE		
QA		Plataforma de movimiento 1 tonelada		
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 2 OF 25	



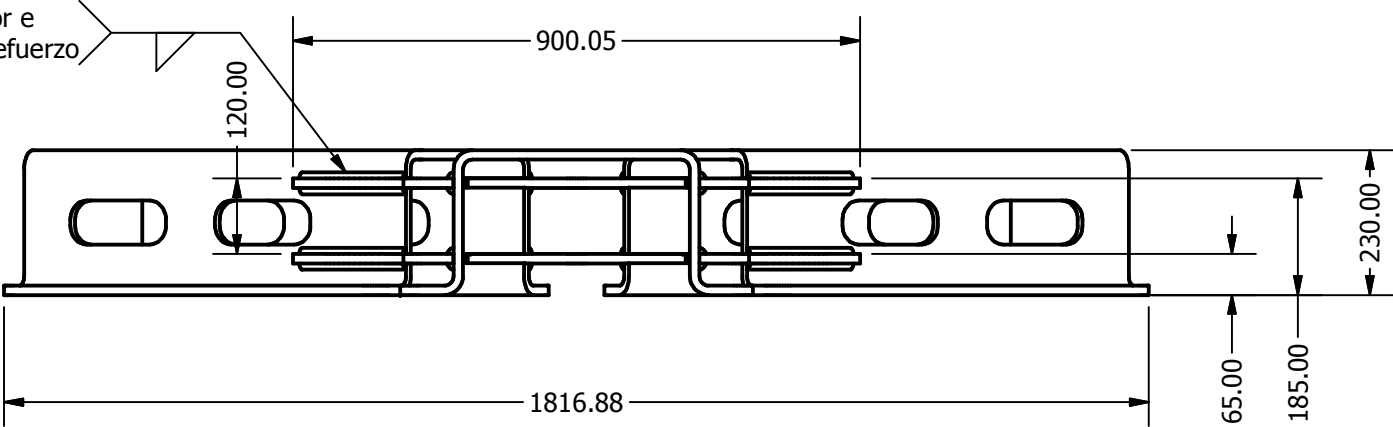
LHD-3DF-V002-BASS001
SCALE 1 / 12
Conjunto soldado



Soldadura superior e inferior en
LHD-3DF-V001-BRSE001
para unirlo a las patas



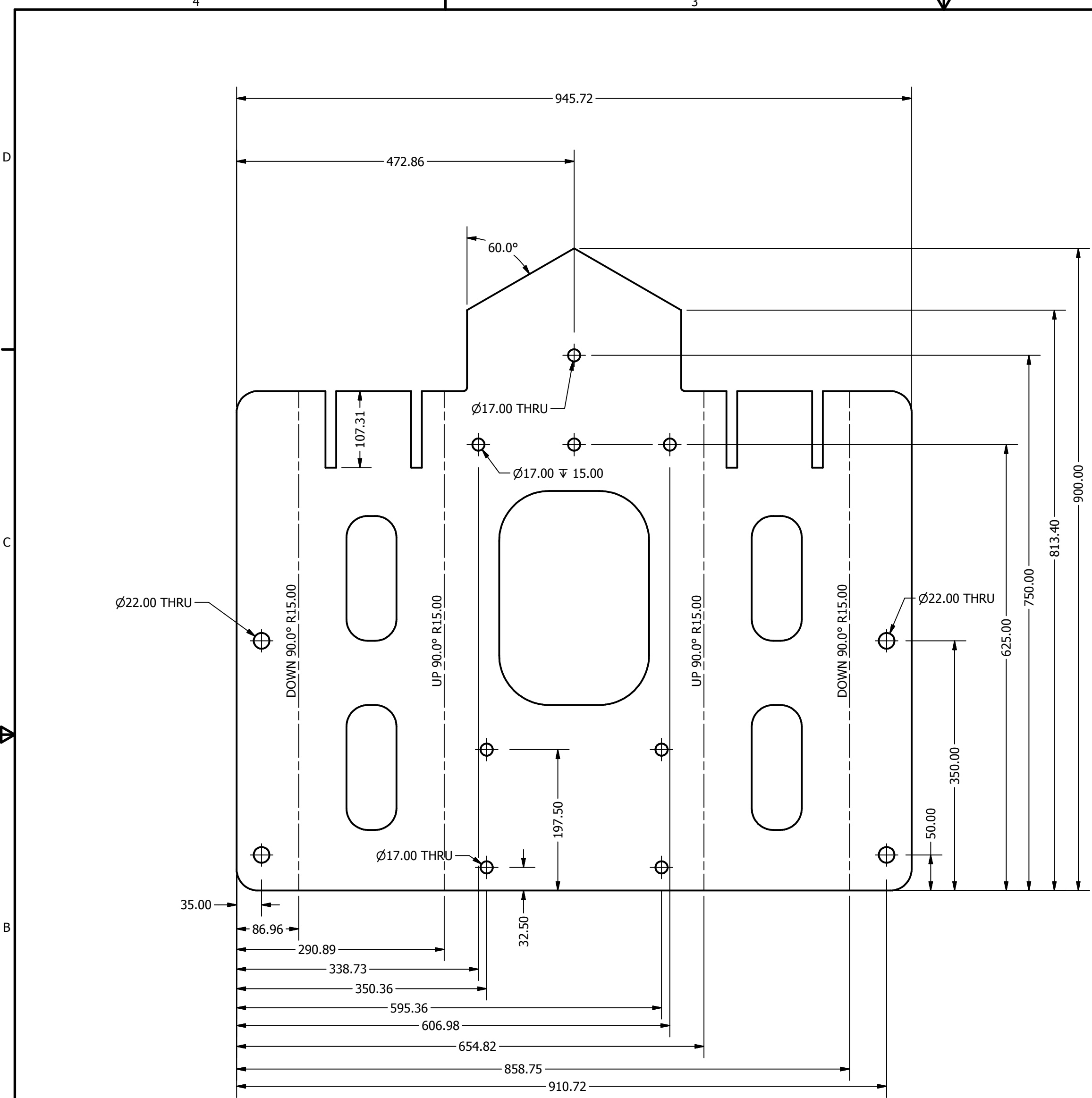
Soldadura superior e
inferior en cada refuerzo



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	5	LHD-3DF-V001-BRIG001	Rgidizador base, chapa 15 mm
2	1	LHD-3DF-V001-BRSE001	Rgidizador base, soporte equipos, chapa 15 mm
3	3	LHD-3DF-V002-PATA001	Pata, chapa plegada 15 mm

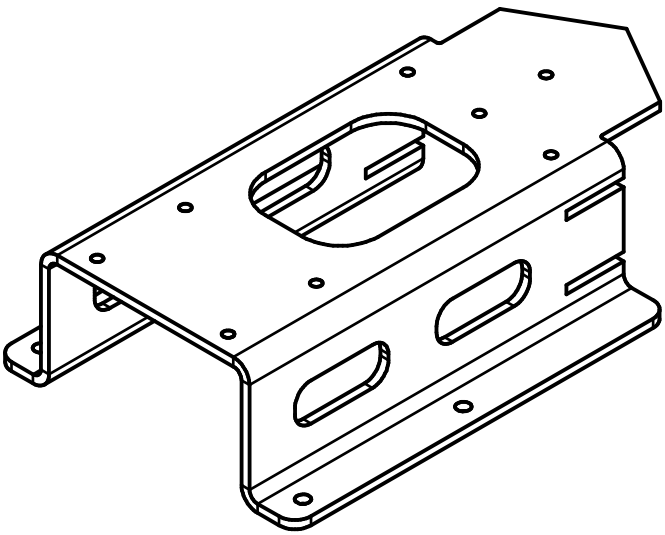
Pintar de negro satinado liso

DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE		
QA		Plataforma de movimiento 1 tonelada		
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 3 OF 25	

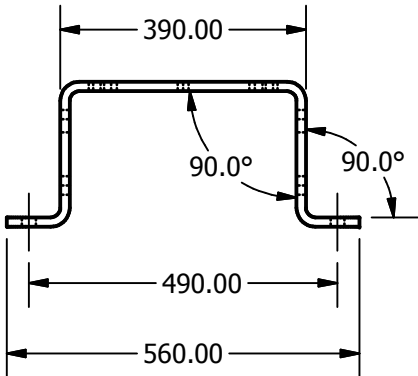
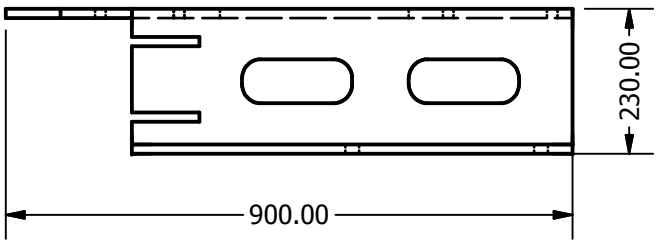
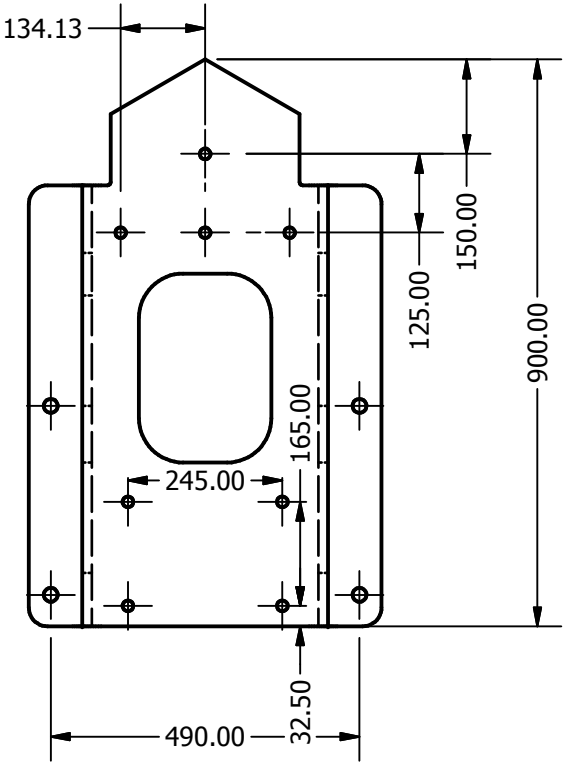


LHD-3DF-V002-PATA001 (desplegada)
SCALE 1 / 5

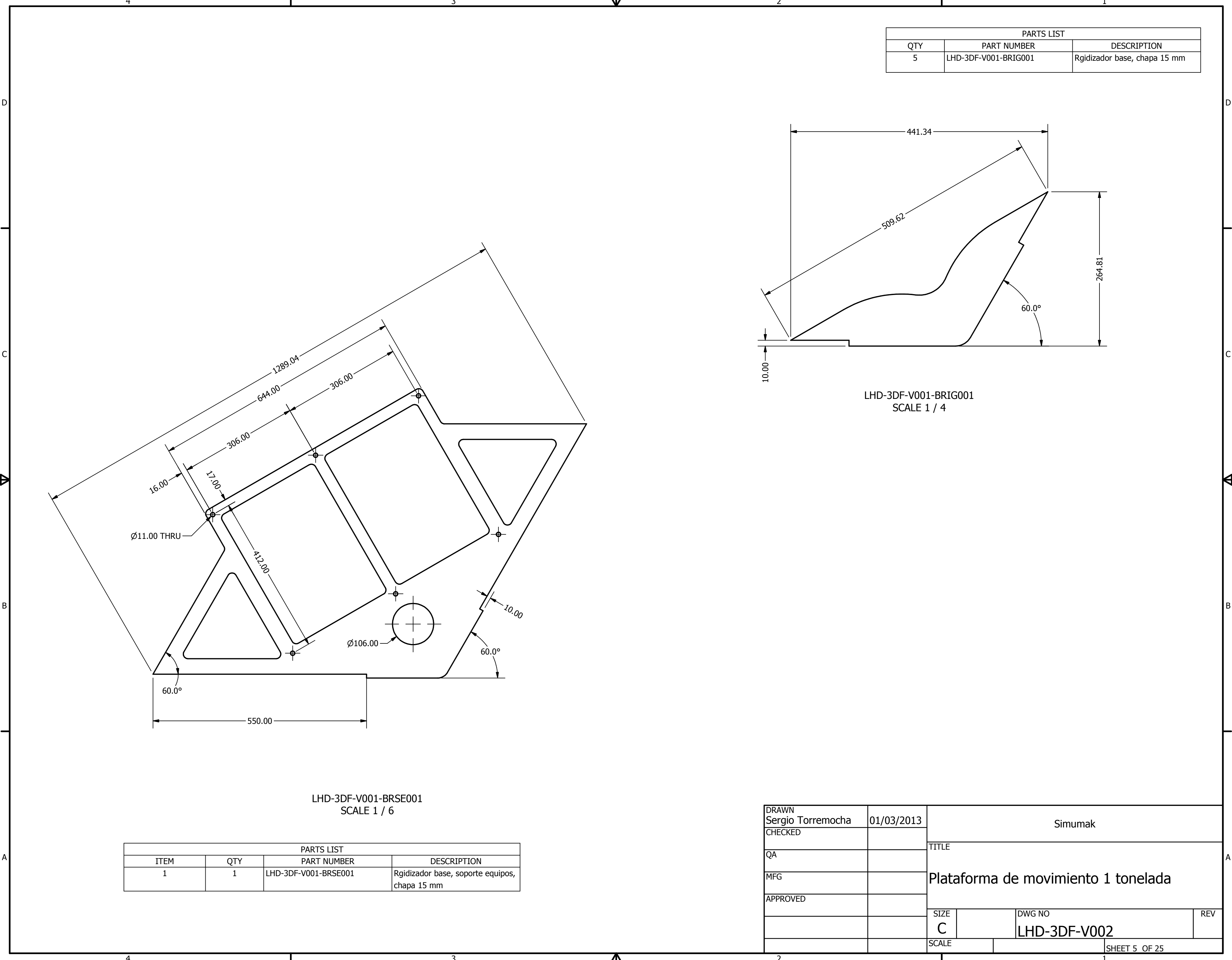
PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
3	LHD-3DF-V002-PATA001	Pata, chapa plegada 15 mm



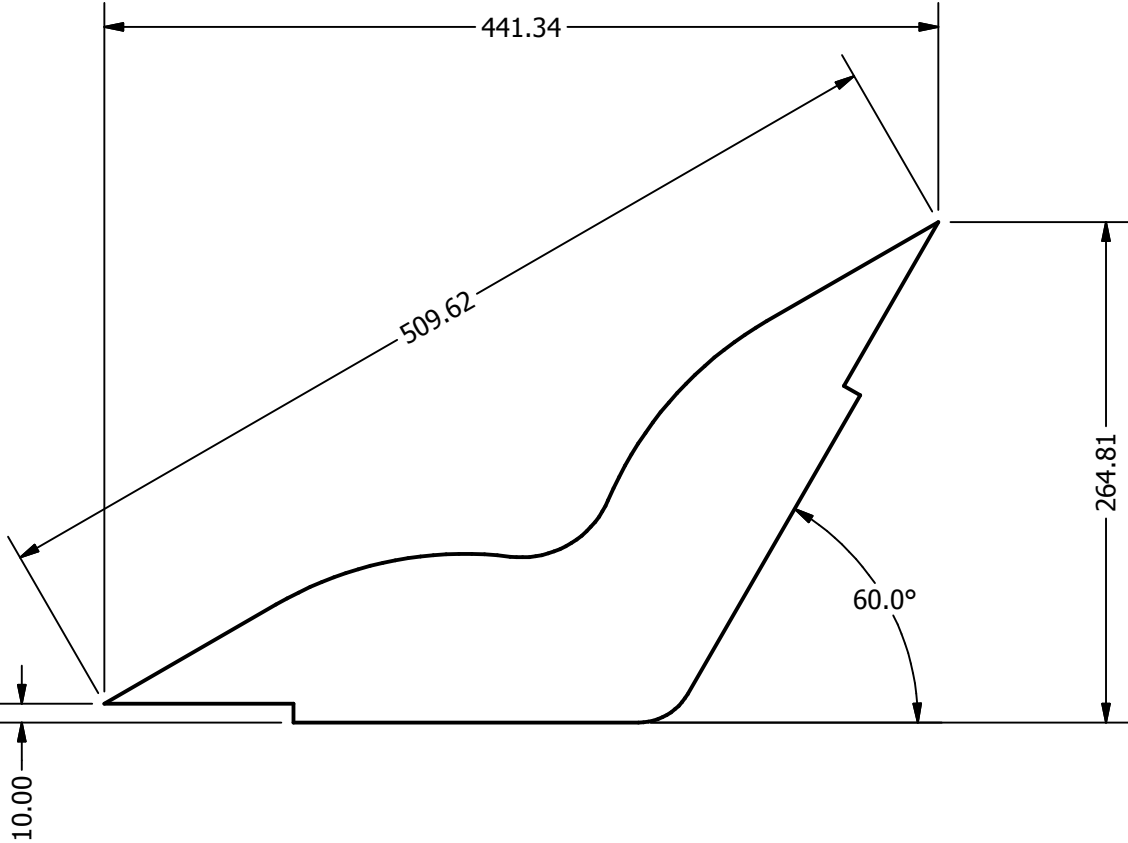
LHD-3DF-V002-PATA001
SCALE 1 / 12



DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE		
QA		Plataforma de movimiento 1 tonelada		
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 4 OF 25	



PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
5	LHD-3DF-V001-BRIG001	Rgidizador base, chapa 15 mm

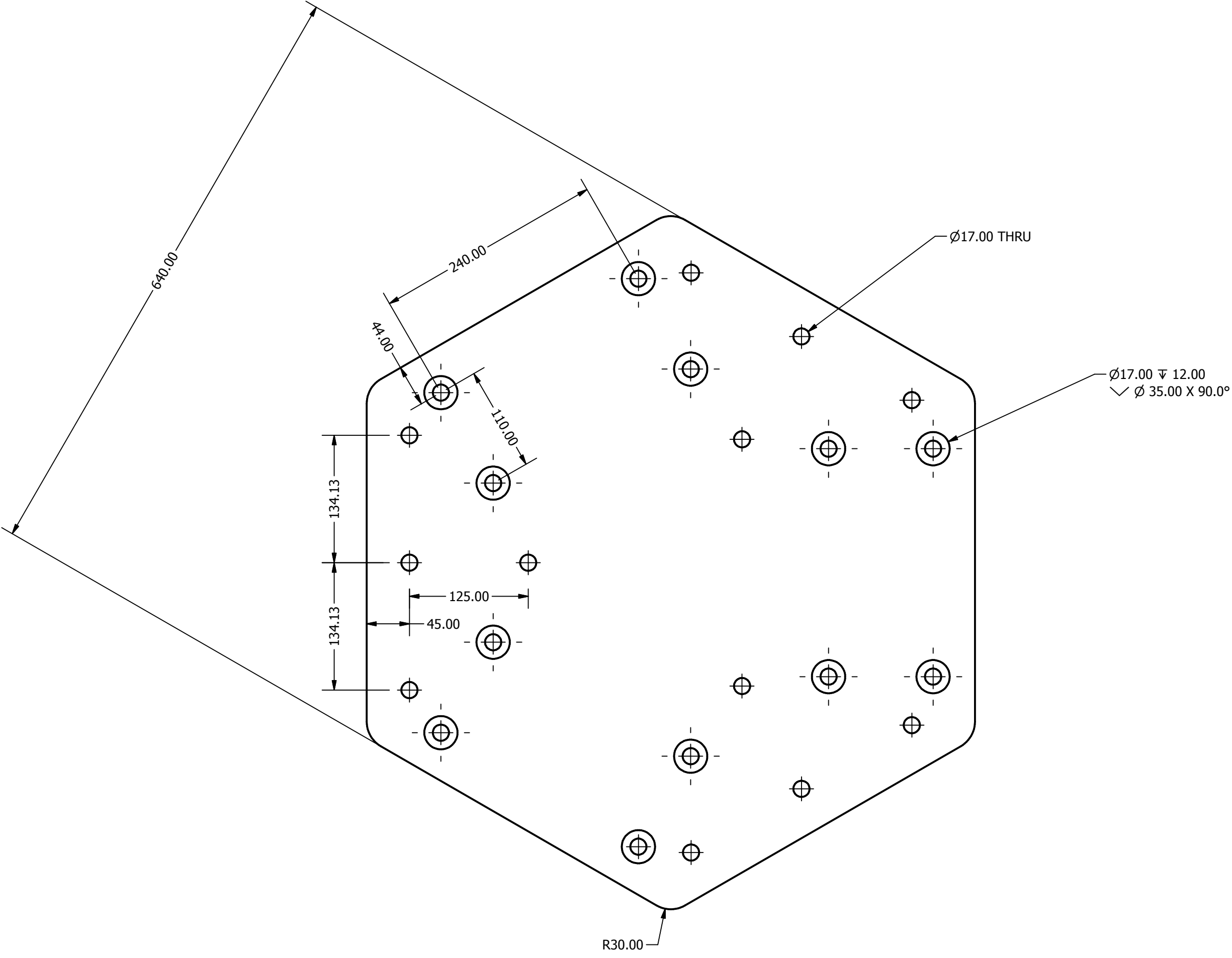


LHD-3DF-V001-BRIG001
SCALE 1 / 4

LHD-3DF-V001-BRSE001
SCALE 1 / 6

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	LHD-3DF-V001-BRSE001	Rgidizador base, soporte equipos, chapa 15 mm

DRAWN Sergio Torremocha	01/03/2013	Simumak	
CHECKED		TITLE	
QA		Plataforma de movimiento 1 tonelada	
MFG			
APPROVED			
		SIZE C	DWG NO LHD-3DF-V002
		SCALE	REV
		SHEET 5 OF 25	

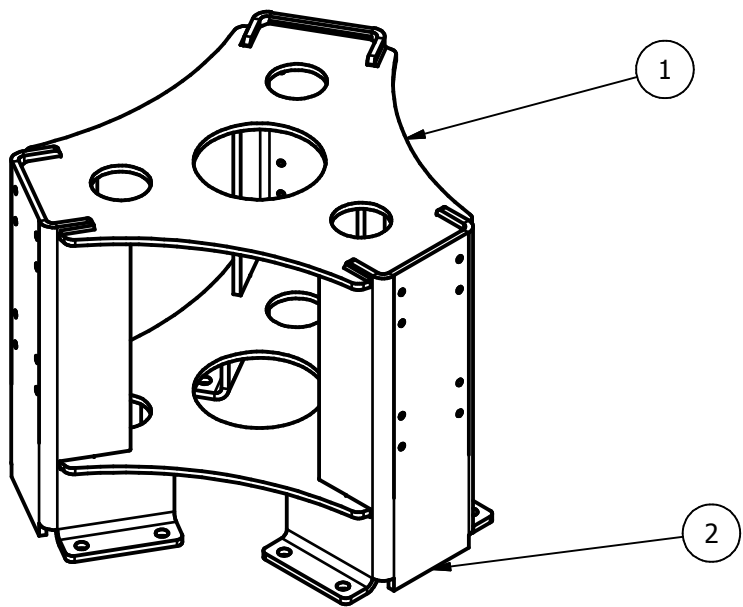


LHD-3DF-V002-PSGV001
SCALE 1 / 4

pintar de negro satinado liso

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	LHD-3DF-V002-PSGV001	Placa soporte guía verticales, chapa 12 mm

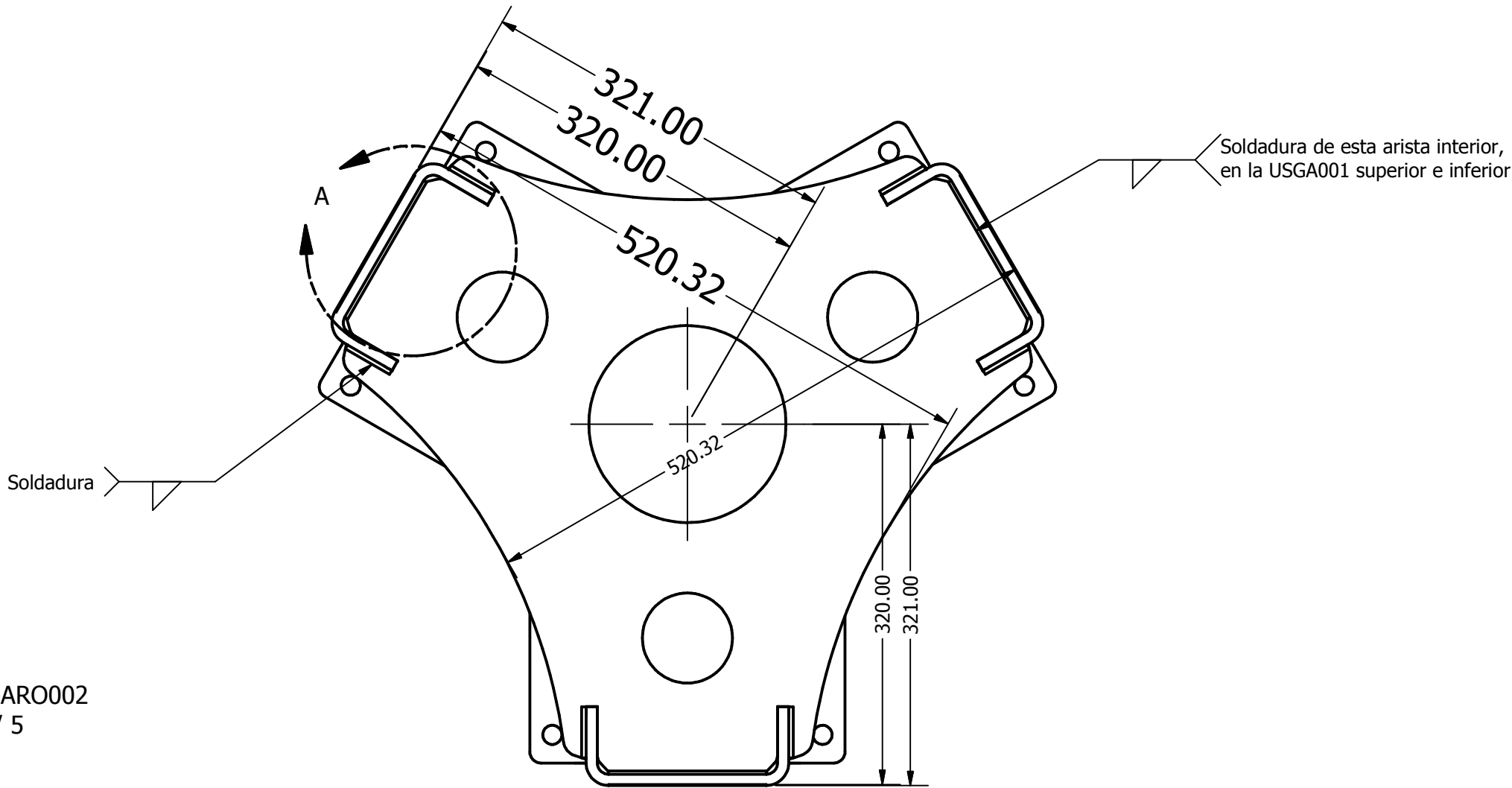
DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		Plataforma de movimiento 1 tonelada		
QA				
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 6 OF 25	



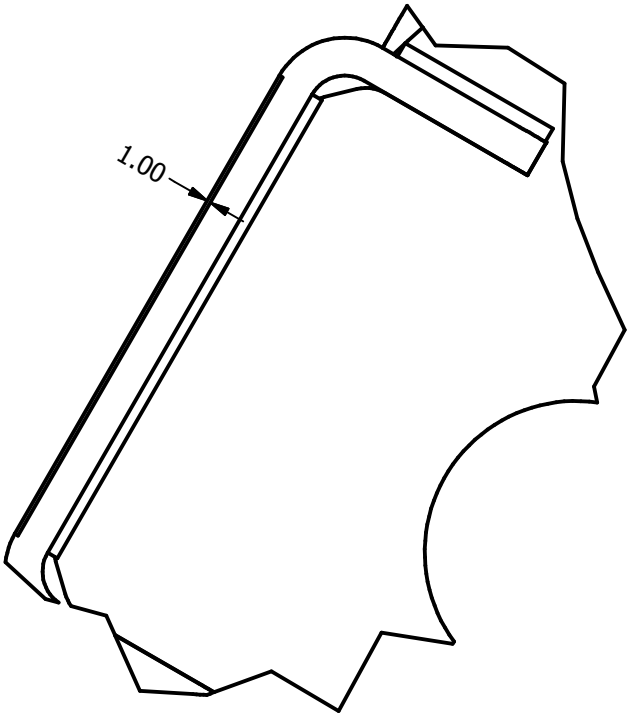
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	LHD-3DF-V002-USGA001	Refuerzo rigidizante de LHD-3DF-V002-SSGV001
2	3	LHD-3DF-V002-SSGV001	Soporte guía vertical, chapa plegada 10 mm, acabado negro texturizado

Mecanizado TRAS LA SOLDADURA del conjunto LHD-3DF-V002-ARO002 para obtener la distancia exacta del centro a la cara de 320 mm y de 520.32 mm de la cara al extremo redondeado opuesto.

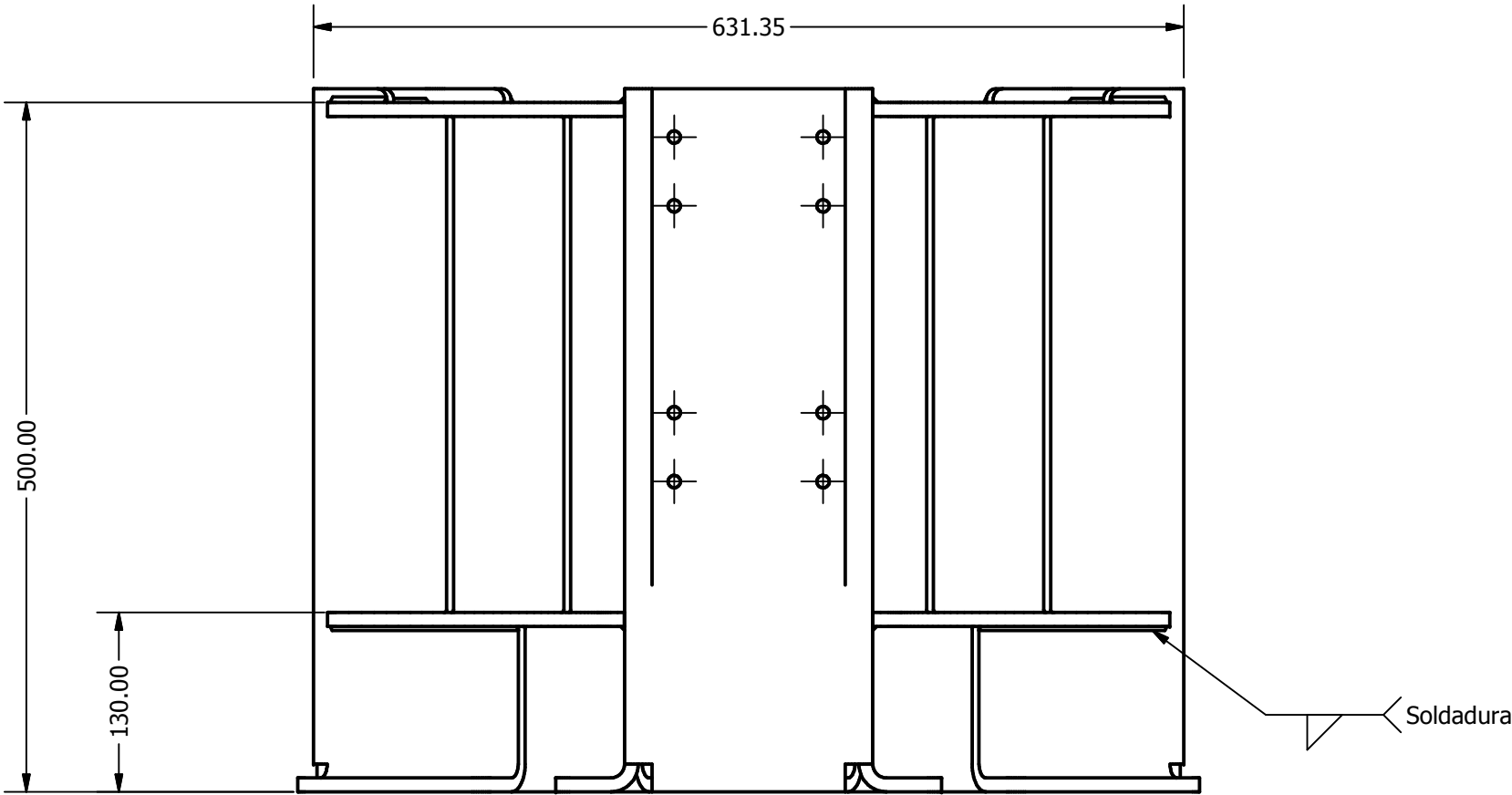
*Ir a planos de mecanizado



LHD-3DF-V002-ARO002
SCALE 1 / 5



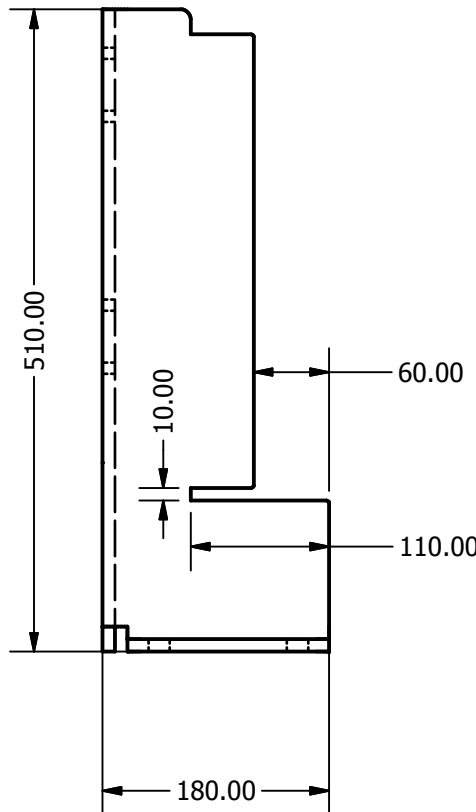
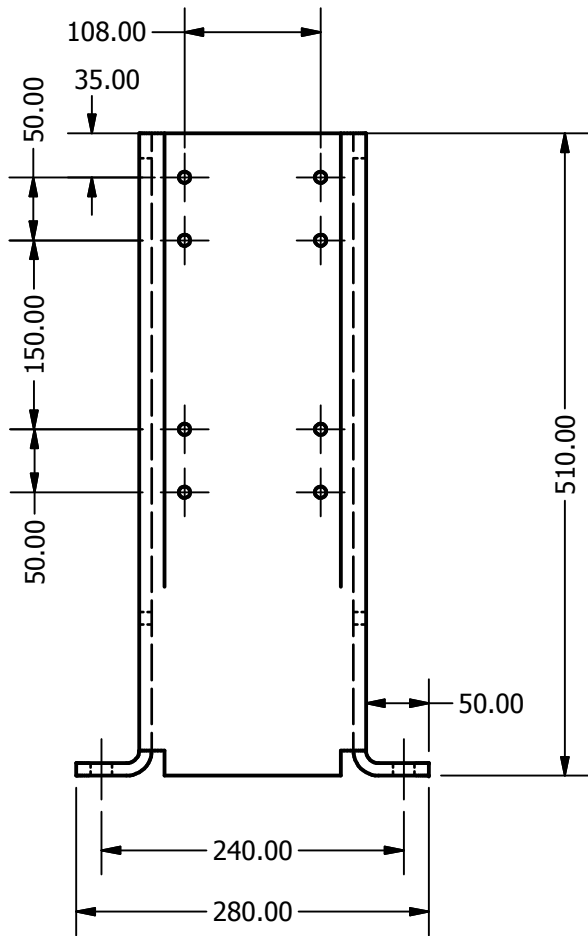
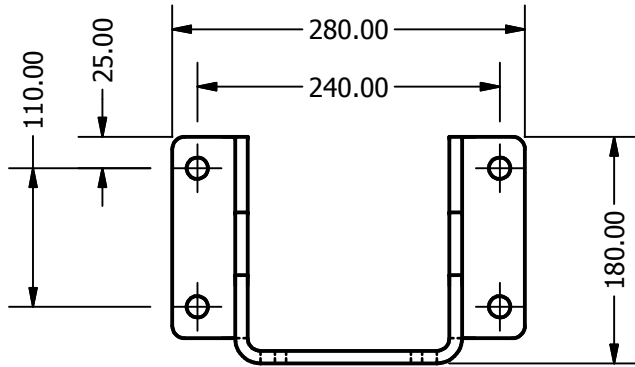
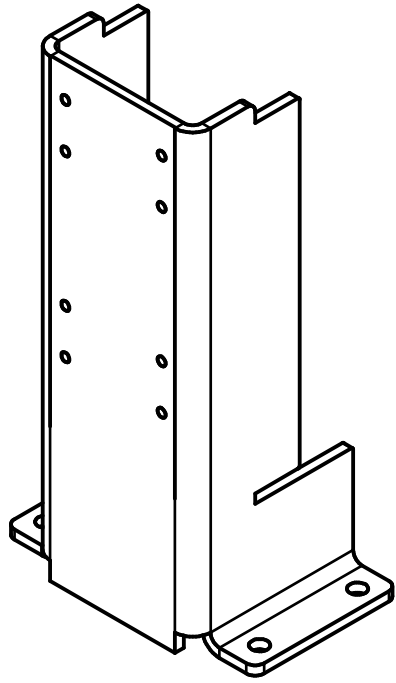
DETAIL A
SCALE 1 / 2



Pintar de negro satinado liso (tras el mecanizado)

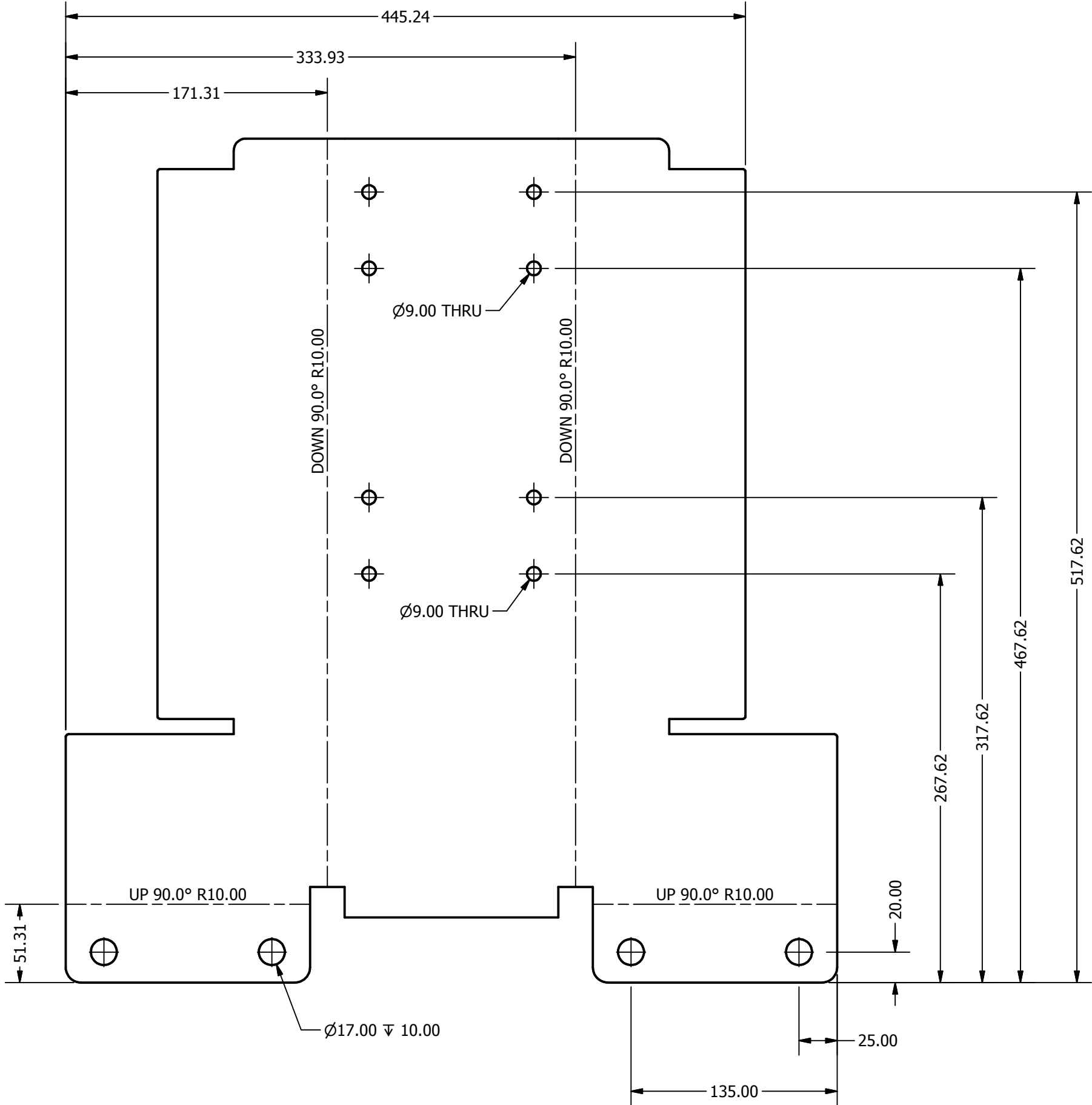
DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE		
QA		Plataforma de movimiento 1 tonelada		
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 7 OF 25	

PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
3	LHD-3DF-V002-SSGV001	Soporte guía vertical, chapa 10 mm



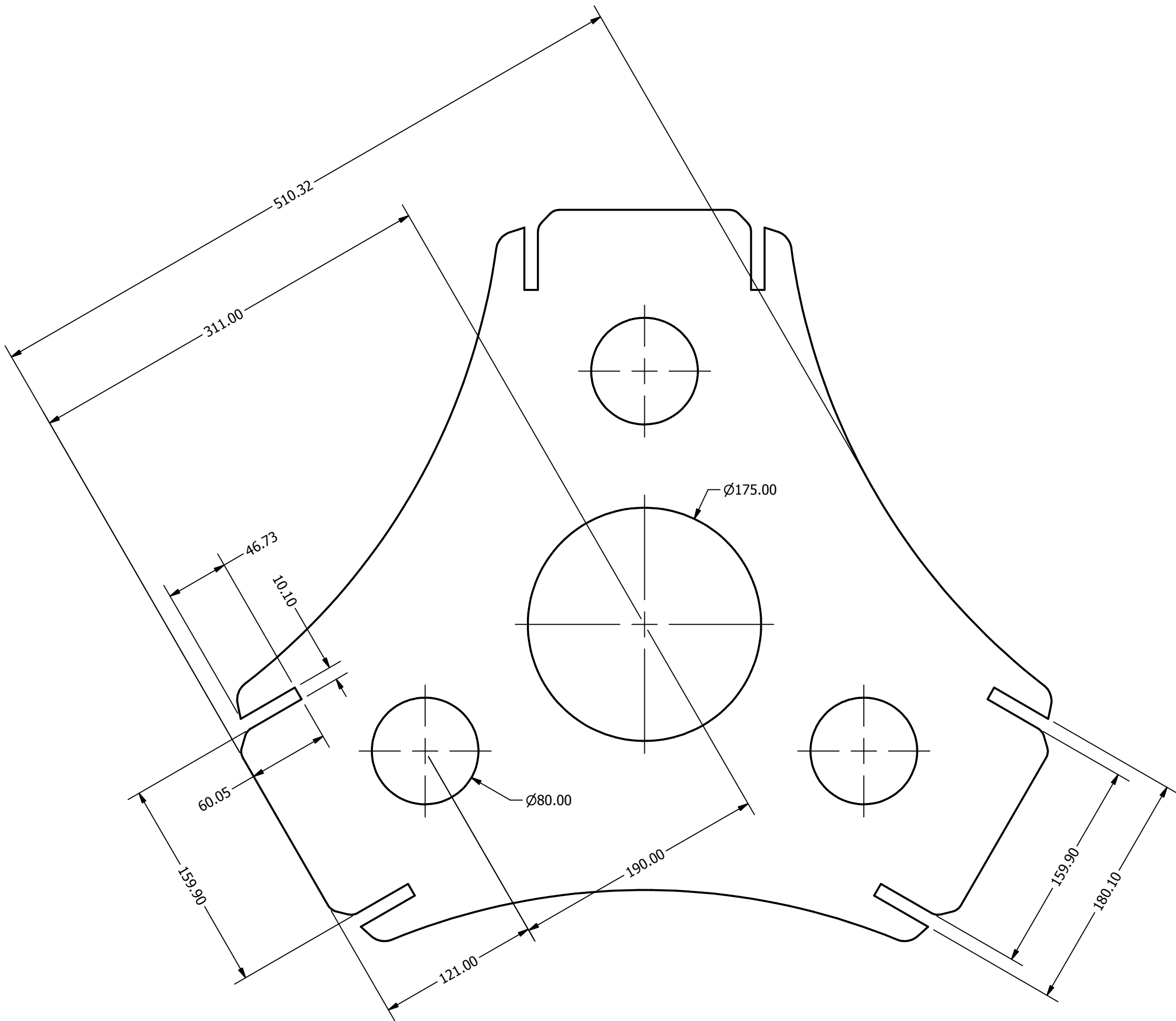
LHD-3DF-V002-SSGV001
SCALE 1 / 6

LHD-3DF-V002-SSGV001 (desplegada)
SCALE 1 / 3



DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE		
QA		Plataforma de movimiento 1 tonelada		
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 8 OF 25	

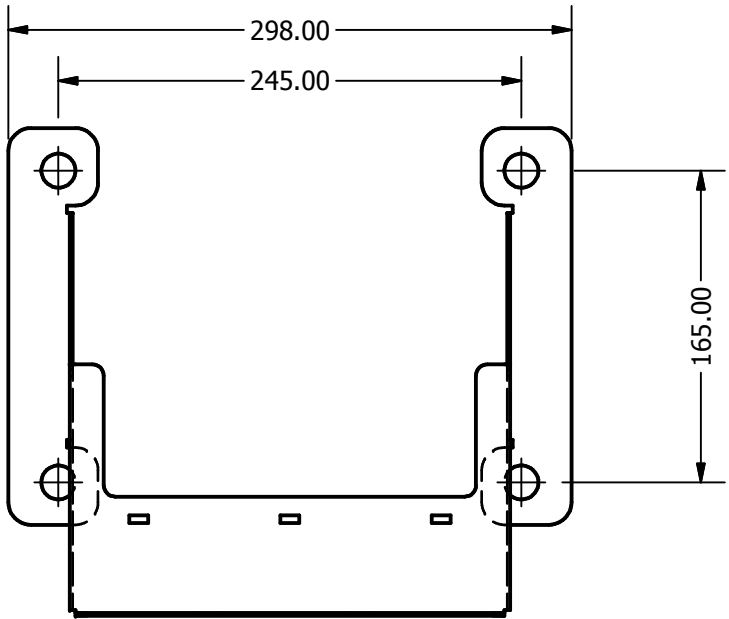
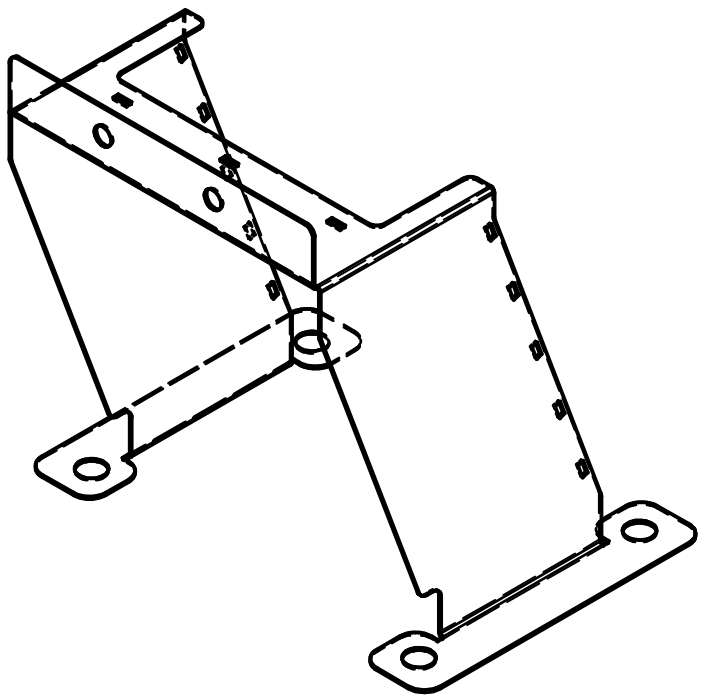
PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
2	LHD-3DF-V002-USGA001	Refuerzo rigidizante de LHD-3DF-V002-SSGV001. Chapa 10 mm



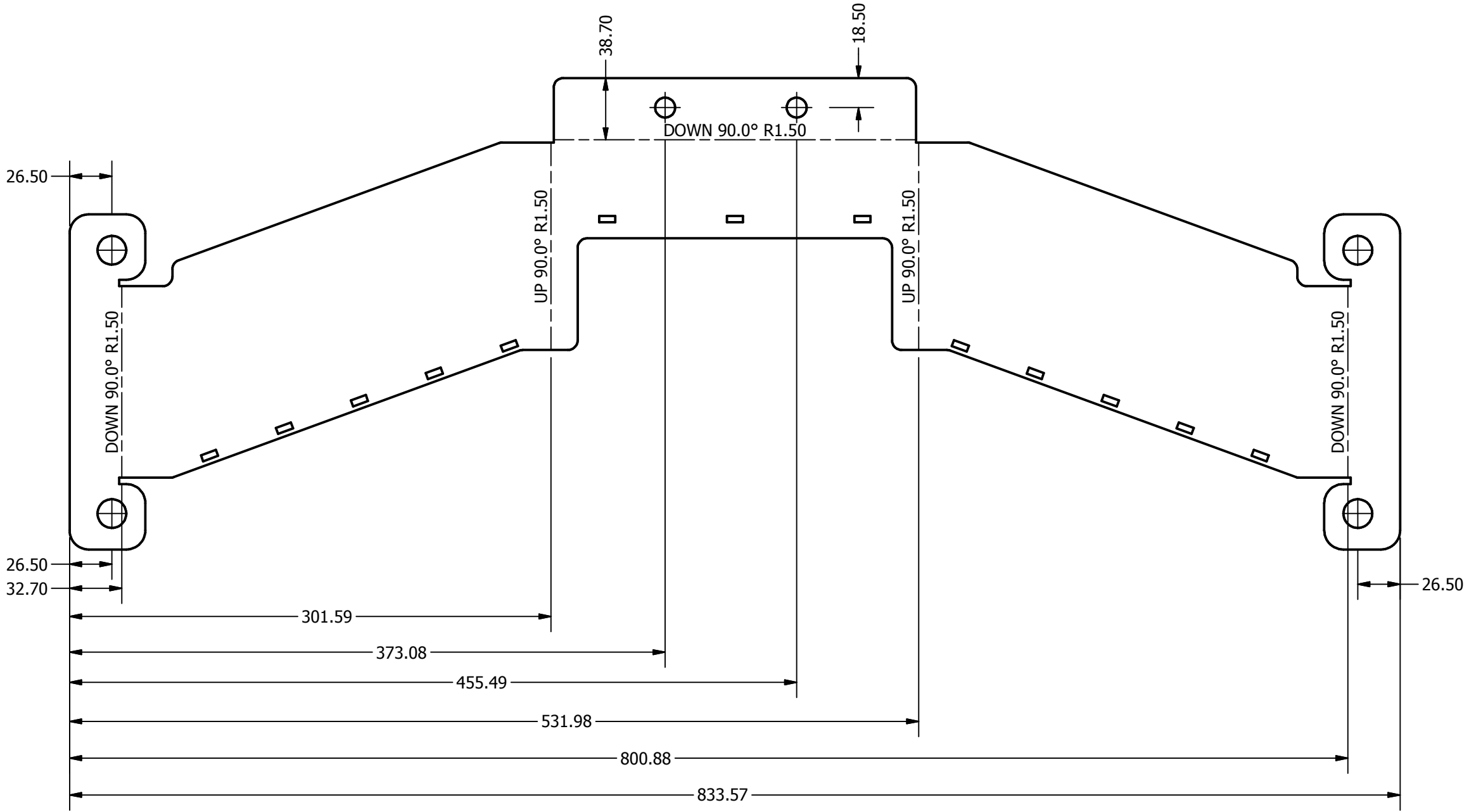
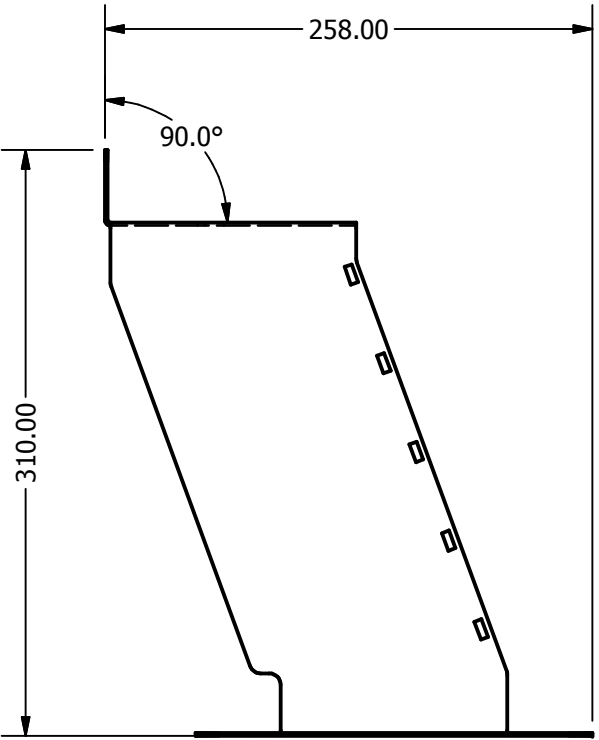
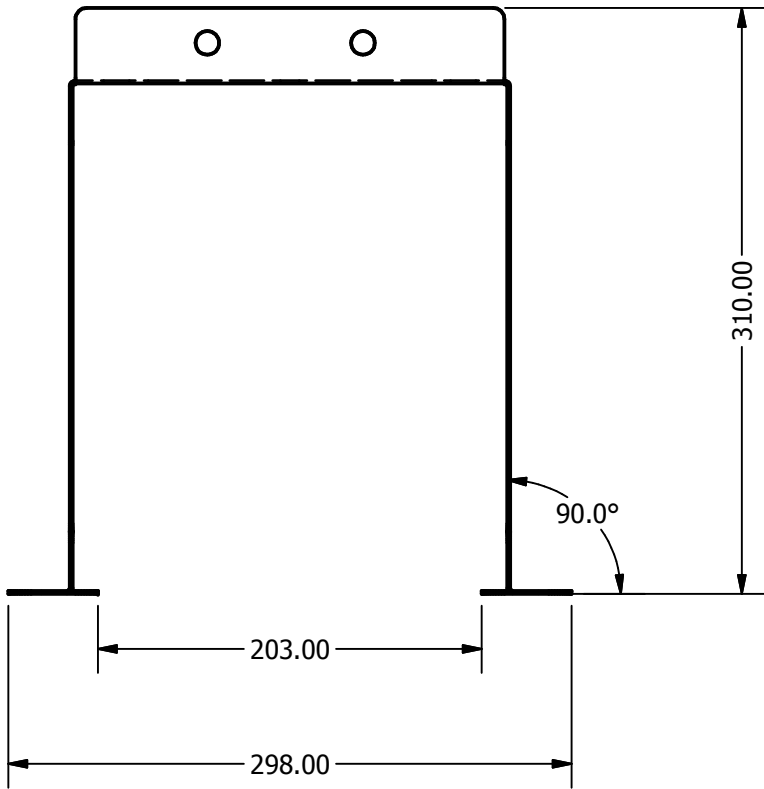
LHD-3DF-V002-USGA001
SCALE 1 / 3

DRAWN	Sergio Torremocha	01/03/2013	Simumak		
CHECKED			TITLE		
QA			Plataforma de movimiento 1 tonelada		
MFG					
APPROVED					
			SIZE	DWG NO	REV
			C	LHD-3DF-V002	
			SCALE	SHEET 9 OF 25	

PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
3	LHD-3DF-V002-SPFC002	Soporte fin de carrera, chapa 1.5 mm



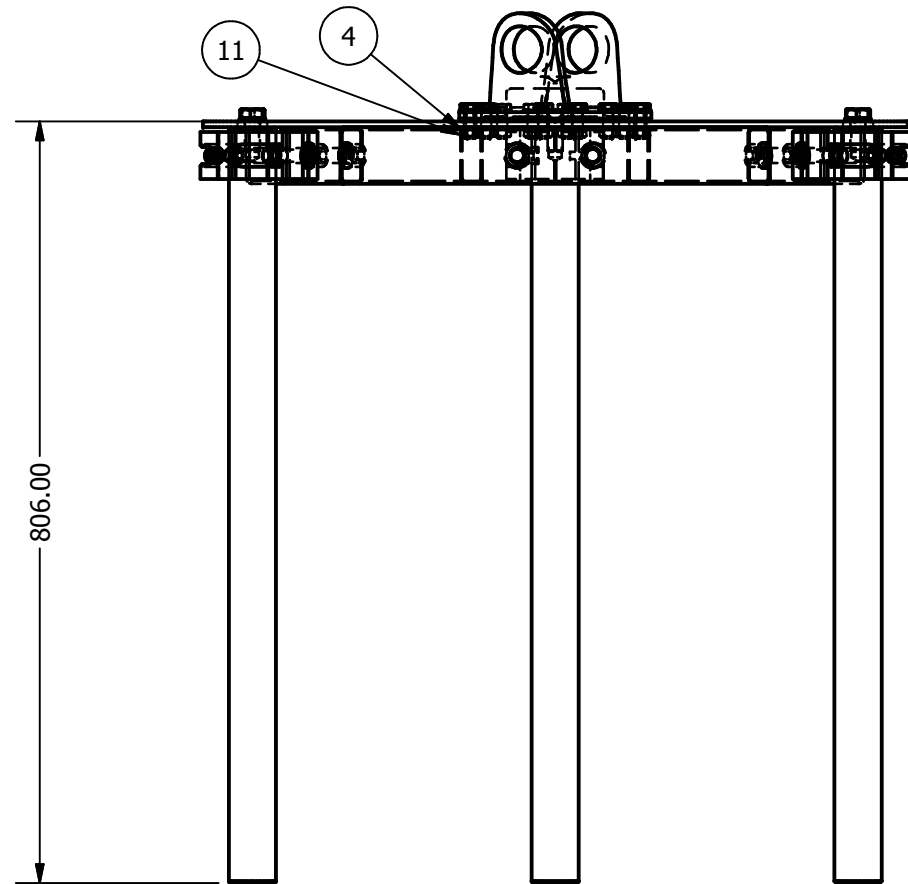
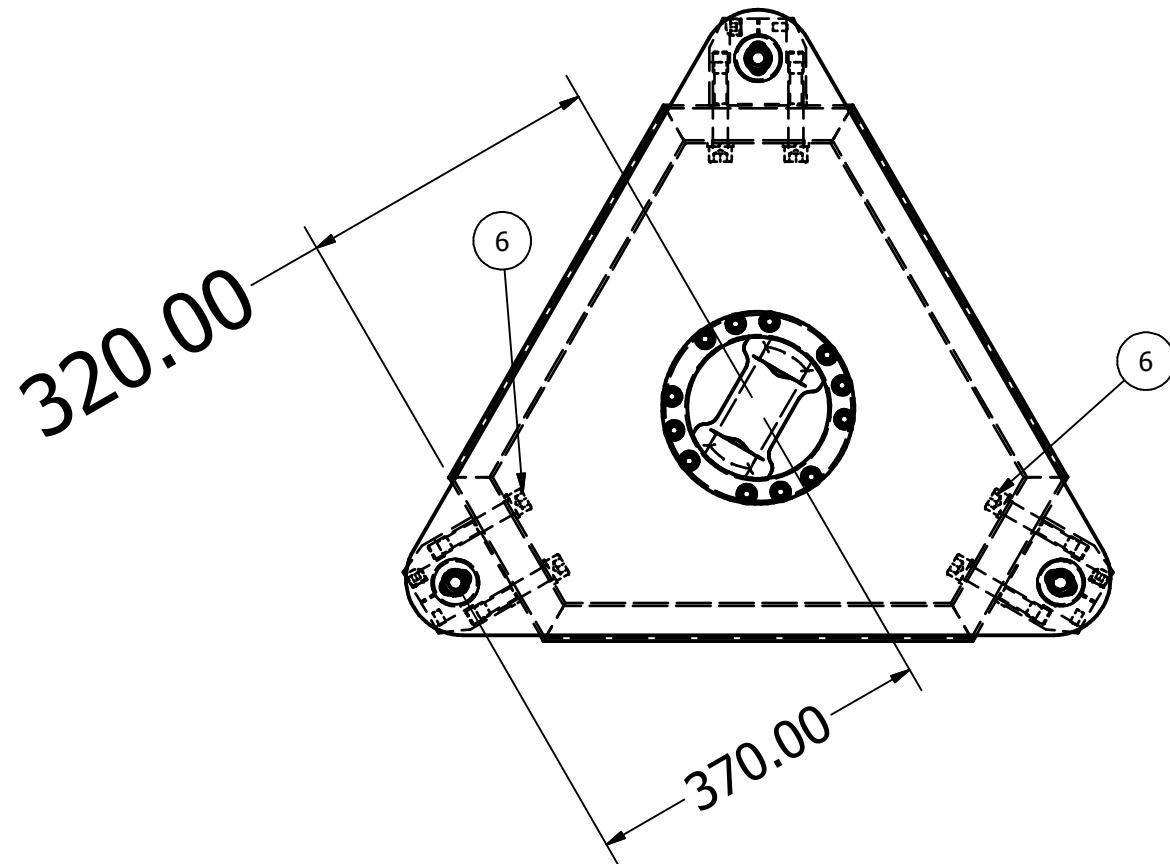
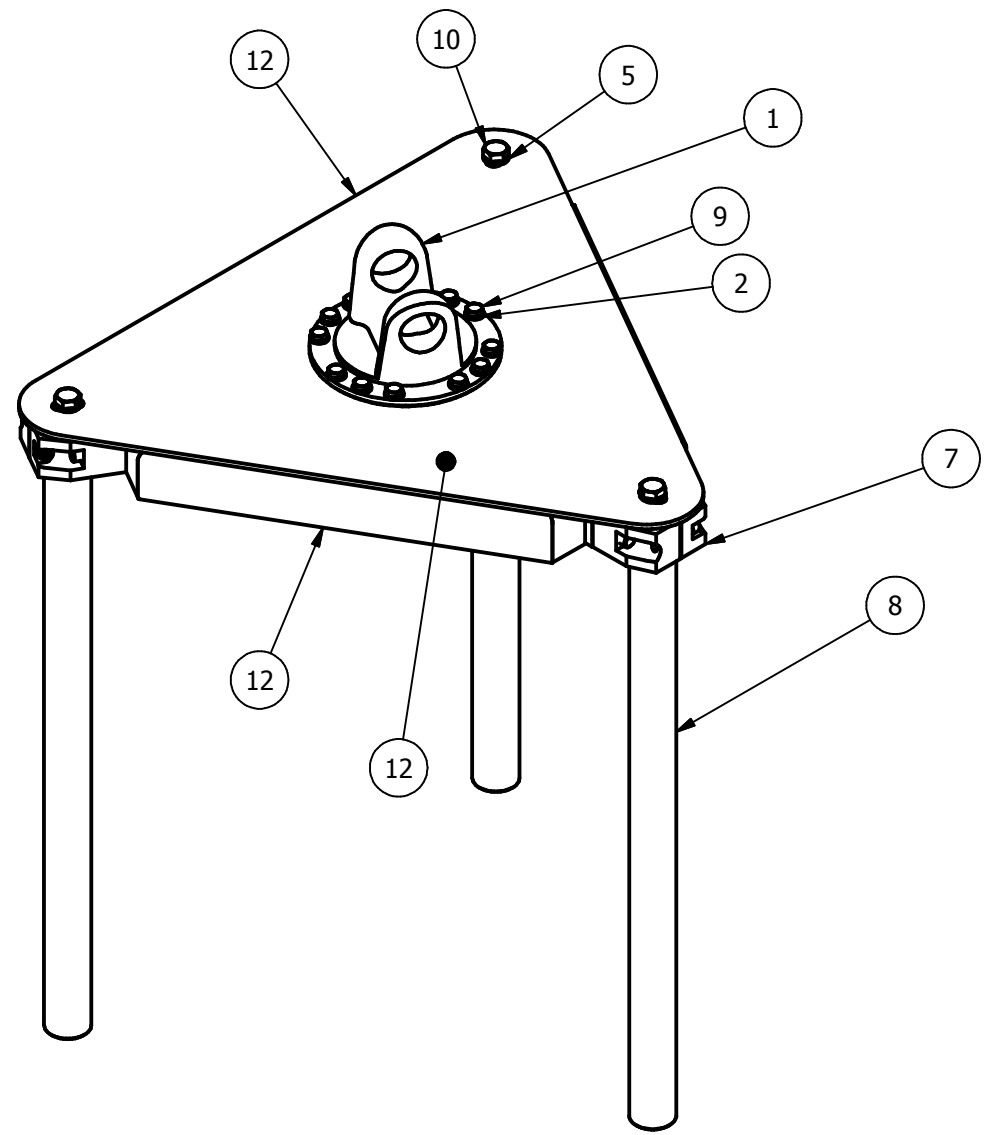
LHD-3DF-V002-SPFC002
SCALE 1 / 4



LHD-3DF-V002-SPFC002 (desplegada)
SCALE 1 / 3

Pintar de negro satinado liso

DRAWN Sergio Torremocha	01/03/2013	Simumak			
CHECKED		TITLE Plataforma de movimiento 1 tonelada			
QA					
MFG					
APPROVED					
		SIZE C		DWG NO LHD-3DF-V002	REV
		SCALE			SHEET 10 OF 25



LHD-3DF-V002-STGA002
SCALE 1 / 8

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	Articardan_plato_A-PC-170-12	Plato cardan A-PC-170-12
2	12	DIN 125 - A 10,5	Washer
3	6	DIN 127 - A 16	Spring Washer
4	12	DIN 128 - A10	Spring Washer
5	3	DIN 128 - A16	Spring Washer
6	6	DIN 912 - M16 x 100	Cylinder Head Cap Screw
7	3	GWH50	shaft support block
8	3	INA-W50-001	INA, Barra 50 mm diámetro, 800 mm longitud, 1 taladro axial M16
9	12	ISO 4017 - M10 x 30	Hexagon head screws
10	3	ISO 4017 - M16 x 35	Hexagon head screws
11	12	ISO 4032 - M10	Hexagon nuts, style 1 - Product grades A and B
12	1	LHD-3DF-V002-SGPS002	Sistema guía, estructura superior, soldada

DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE		
QA		Plataforma de movimiento 1 tonelada		
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 11 OF 25	

Mecanizado de 1mm para conseguir la cota de 320 mm de la cara pequeña de la estructura tubular al centro. (367.10 mm de lado a lado)

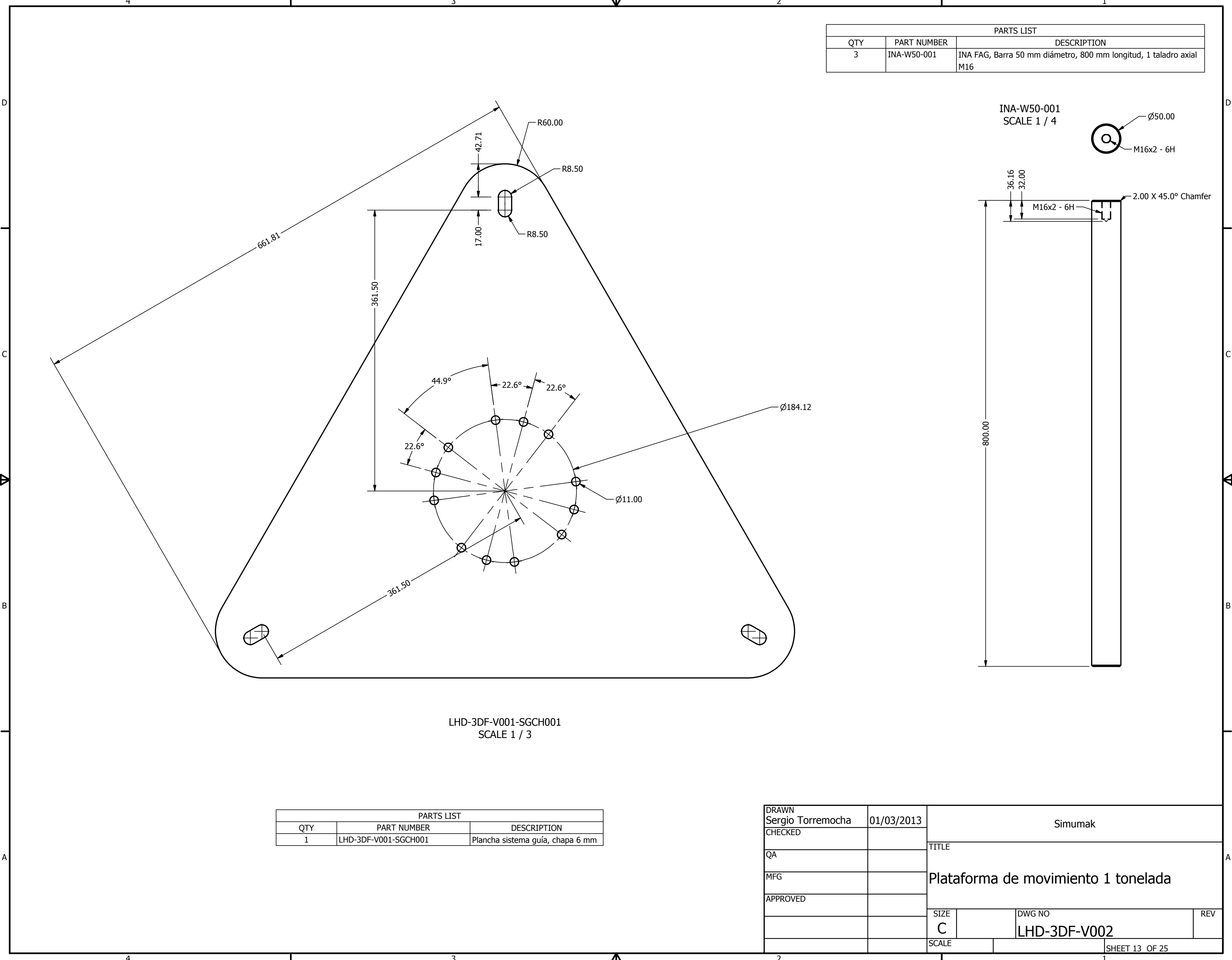
Technical drawing of a hexagonal prism. The drawing includes the following dimensions and labels:

- Top View (Hexagon):**
 - Overall width: 200.00
 - Distance from left edge to centerline: 60.00
 - Distance from centerline to right edge: 80.00
 - Distance from left edge to right edge (across the top): 153.81
 - Side length of the hexagon: 120.0°
 - Distance from the bottom-left vertex to the top-right vertex: 567.10
 - Distance from the bottom-left vertex to the top-left vertex: 568.10
 - Distance from the bottom-left vertex to the top-right vertex (diagonal): 567.10
 - Distance from the bottom-left vertex to the top-left vertex (diagonal): 568.10
 - Distance from the bottom-left vertex to the top-right vertex (diagonal): 567.10
 - Distance from the bottom-left vertex to the top-left vertex (diagonal): 568.10
- Front View (Rectangle):**
 - Height: 455.99
 - Width: 200.00
 - Angle: 60.0°
- Labels:**
 - 1: Points to the top surface of the prism.
 - 2: Points to the side surface of the prism.
 - A: Points to the bottom-left vertex of the hexagon.

[illegible]

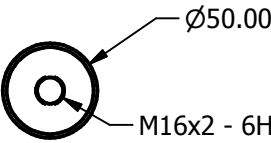
PARTS LIST		
ITEM	QTY	PART NUMBER
1	1367,965 mm	ISO 4019 - 60x40x3 - 455,988
2	600.000 mm	ISO 4019 - 60x40x3 - 200

DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE Plataforma de movimiento 1 tonelada		
QA				
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 12 OF 25	



PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
3	INA-W50-001	INA FAG, Barra 50 mm diámetro, 800 mm longitud, 1 taladro axial M16

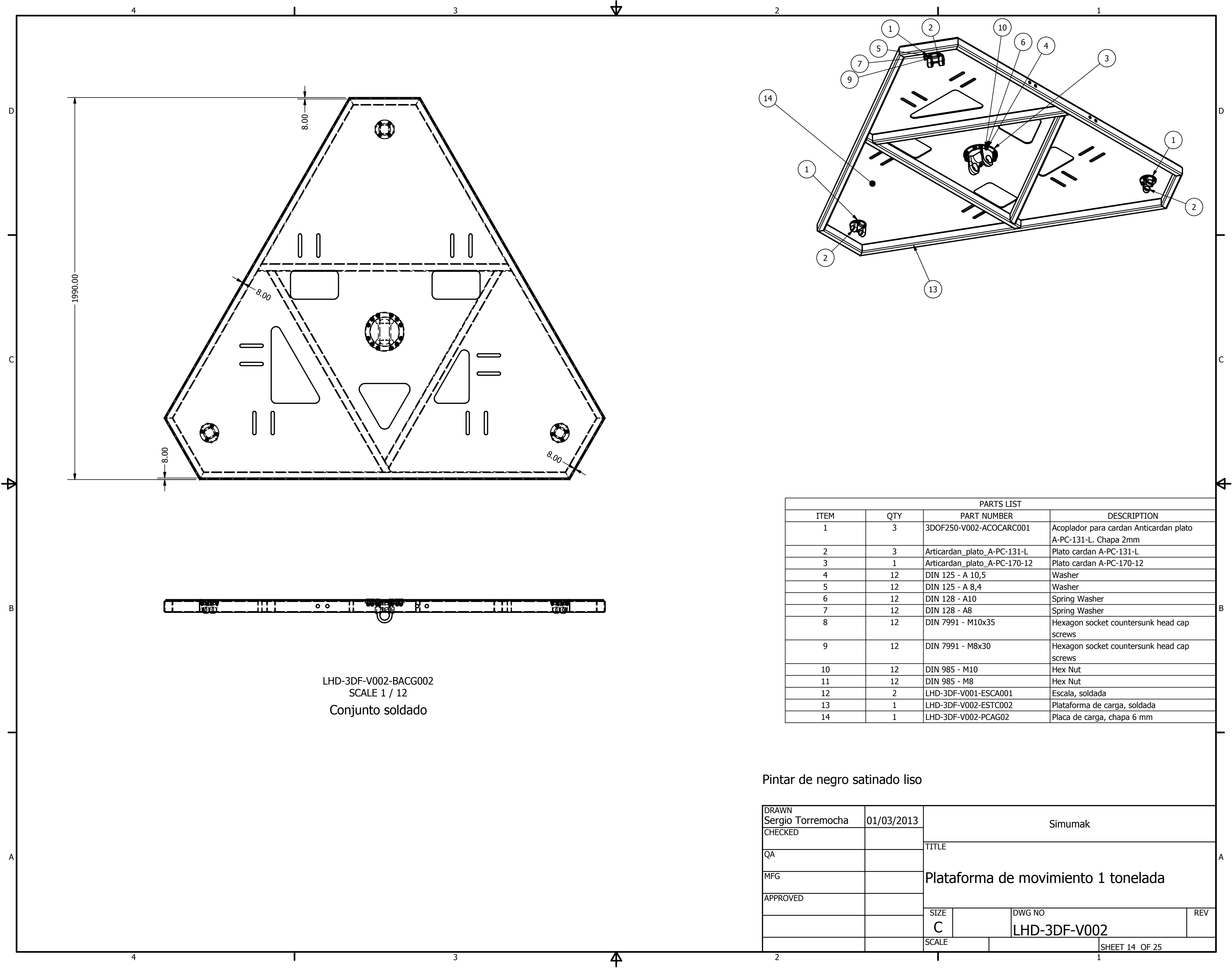
INA-W50-001
SCALE 1 / 4

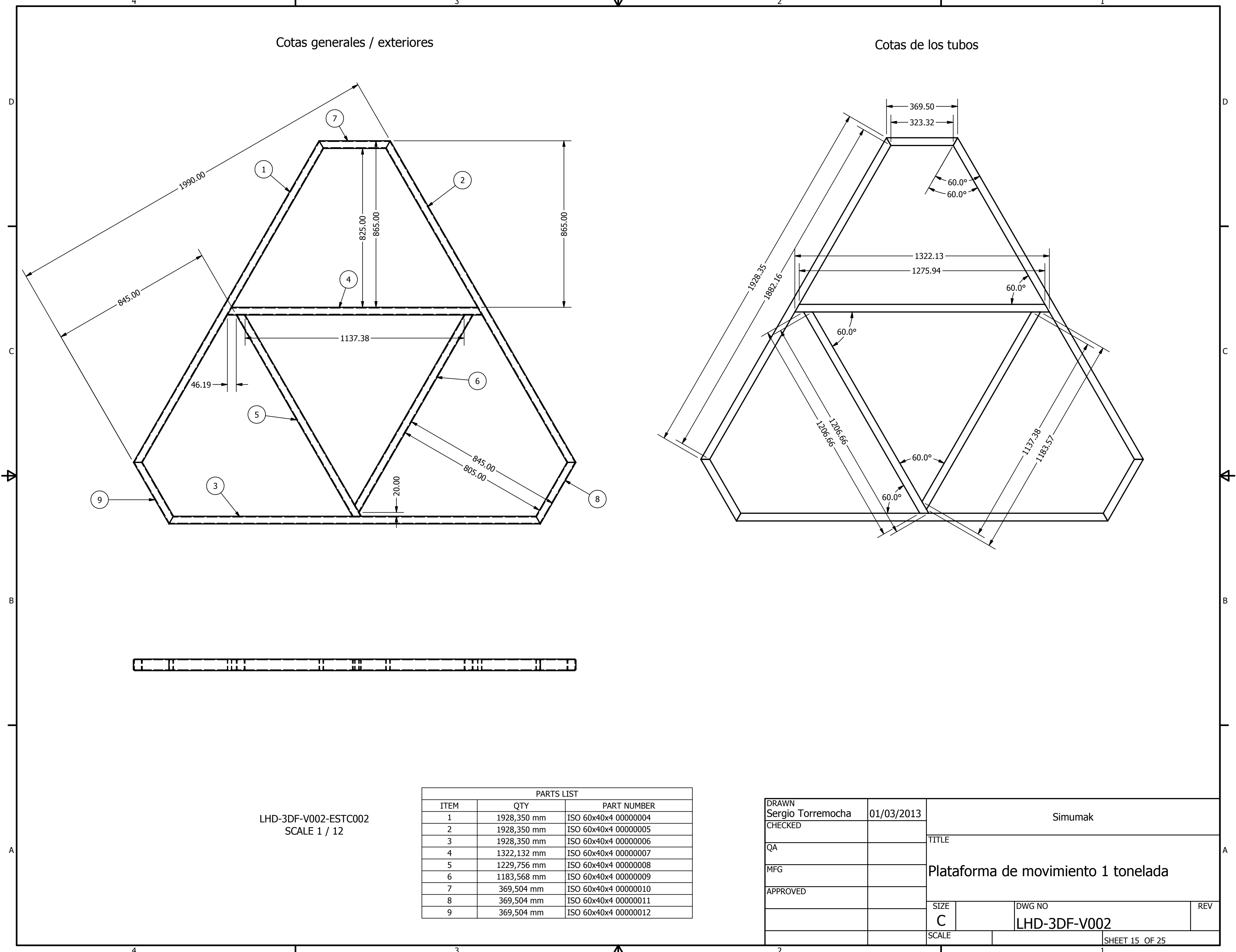


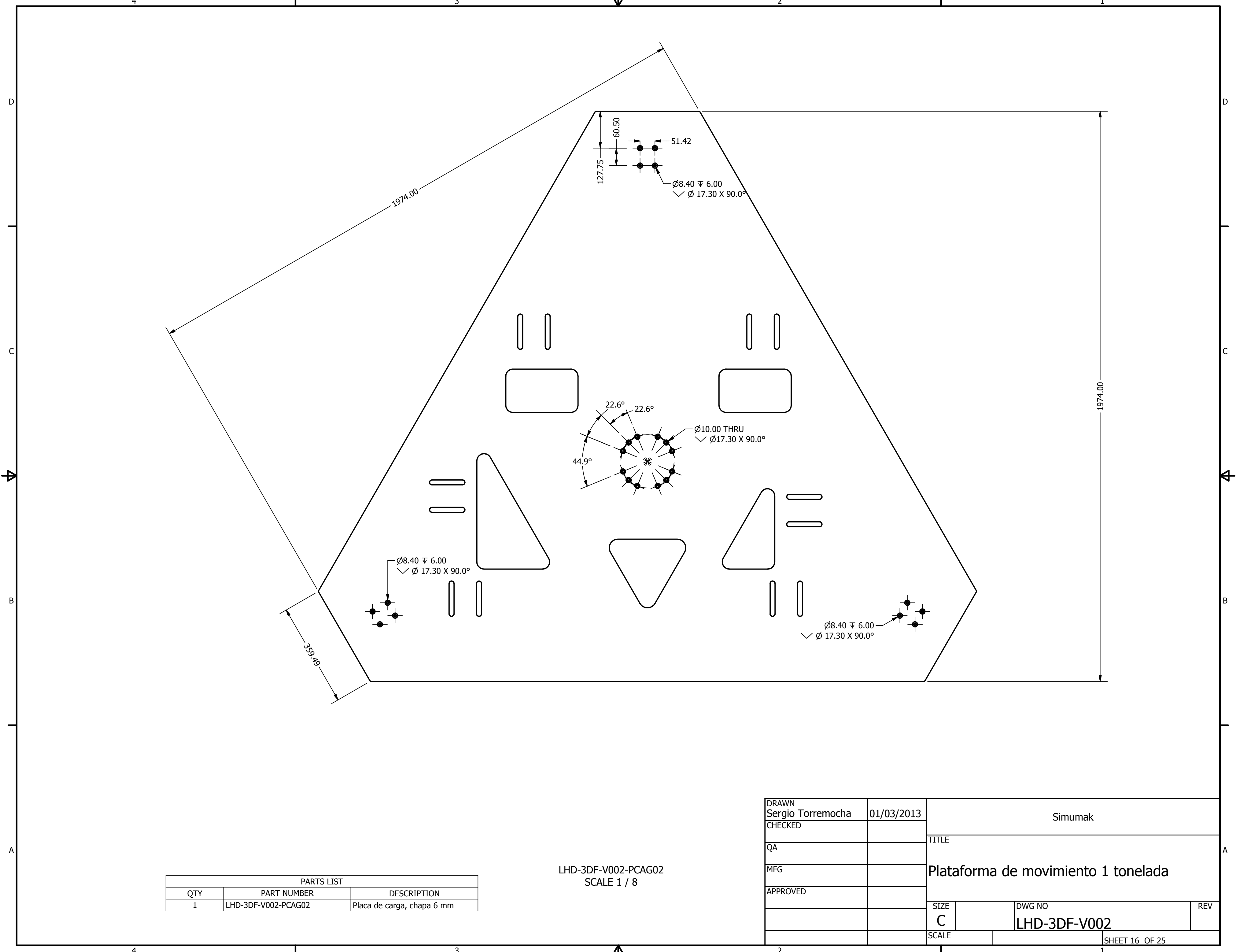
LHD-3DF-V001-SGCH001
SCALE 1 / 3

PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
1	LHD-3DF-V001-SGCH001	Plancha sistema guía, chapa 6 mm

DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE		
QA		Plataforma de movimiento 1 tonelada		
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 13 OF 25	



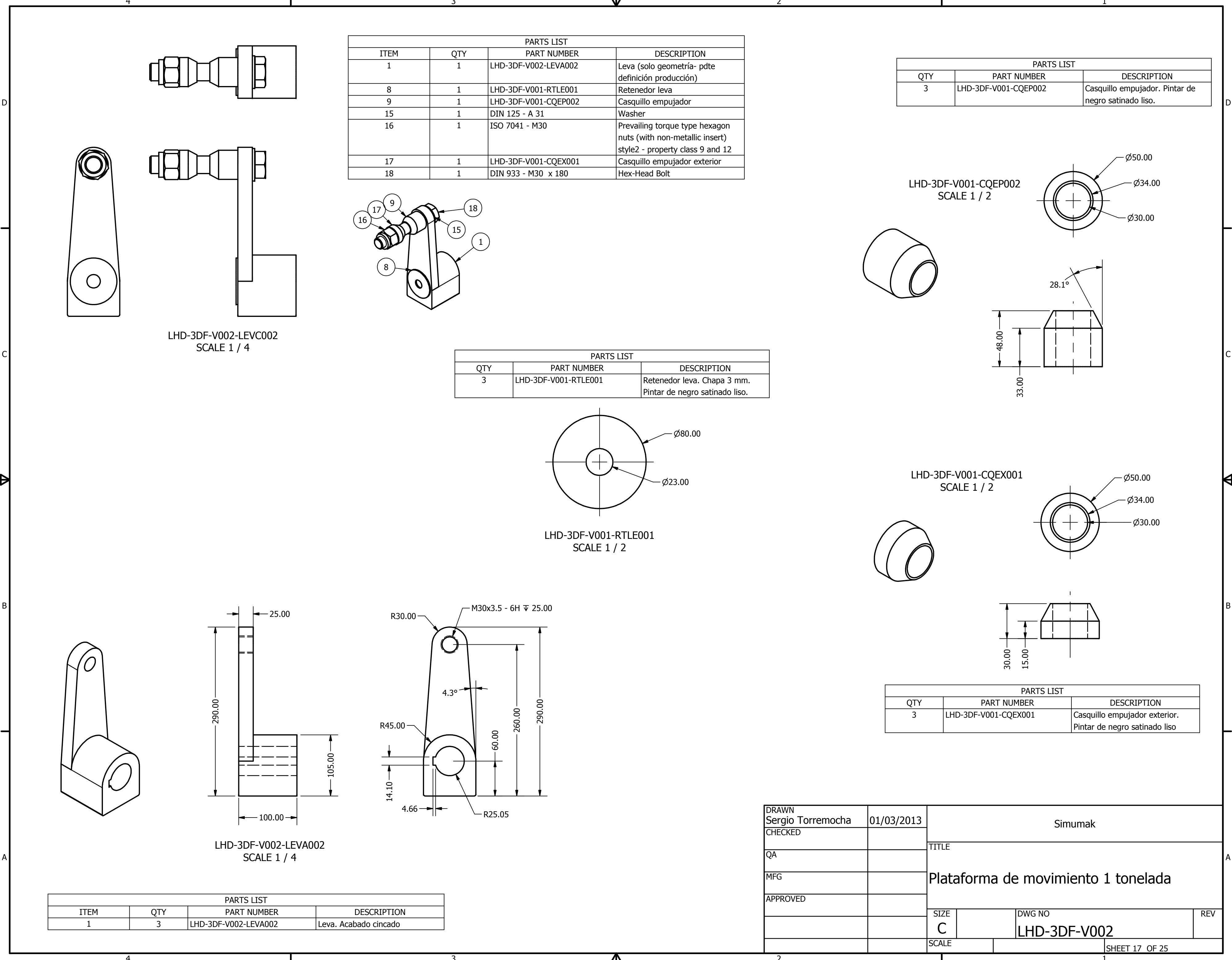




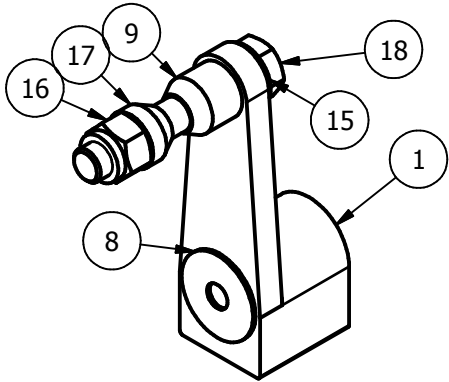
PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
1	LHD-3DF-V002-PCAG02	Placa de carga, chapa 6 mm

LHD-3DF-V002-PCAG02
SCALE 1 / 8

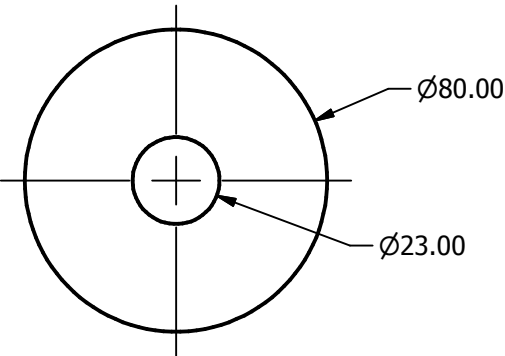
DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE		
QA		Plataforma de movimiento 1 tonelada		
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 16 OF 25	



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	LHD-3DF-V002-LEVA002	Leva (solo geometría- pdte definición producción)
8	1	LHD-3DF-V001-RTLE001	Retenedor leva
9	1	LHD-3DF-V001-CQEP002	Casquillo empujador
15	1	DIN 125 - A 31	Washer
16	1	ISO 7041 - M30	Prevailing torque type hexagon nuts (with non-metallic insert) style2 - property class 9 and 12
17	1	LHD-3DF-V001-CQEX001	Casquillo empujador exterior
18	1	DIN 933 - M30 x 180	Hex-Head Bolt

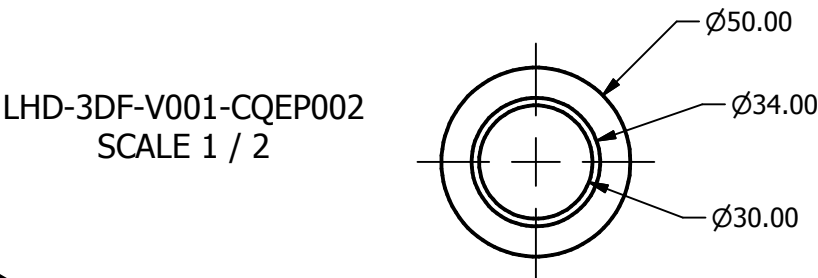


PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
3	LHD-3DF-V001-RTLE001	Retenedor leva. Chapa 3 mm. Pintar de negro satinado liso.

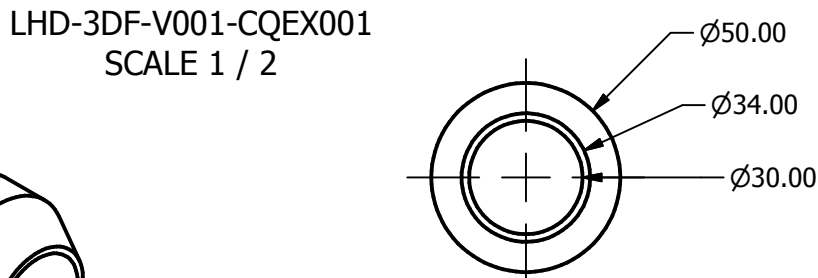
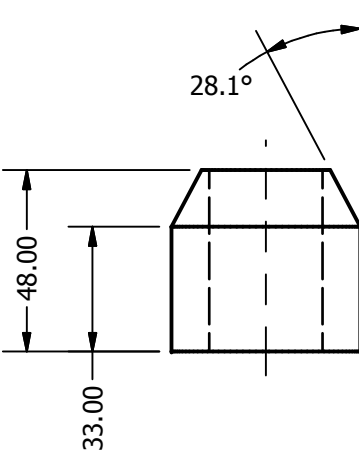


LHD-3DF-V001-RTLE001
SCALE 1 / 2

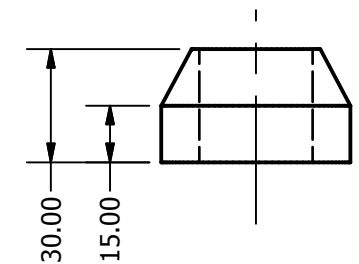
PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
3	LHD-3DF-V001-CQEP002	Casquillo empujador. Pintar de negro satinado liso.



LHD-3DF-V001-CQEP002
SCALE 1 / 2



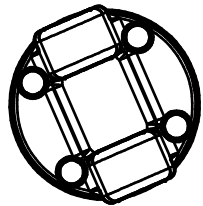
LHD-3DF-V001-CQEX001
SCALE 1 / 2



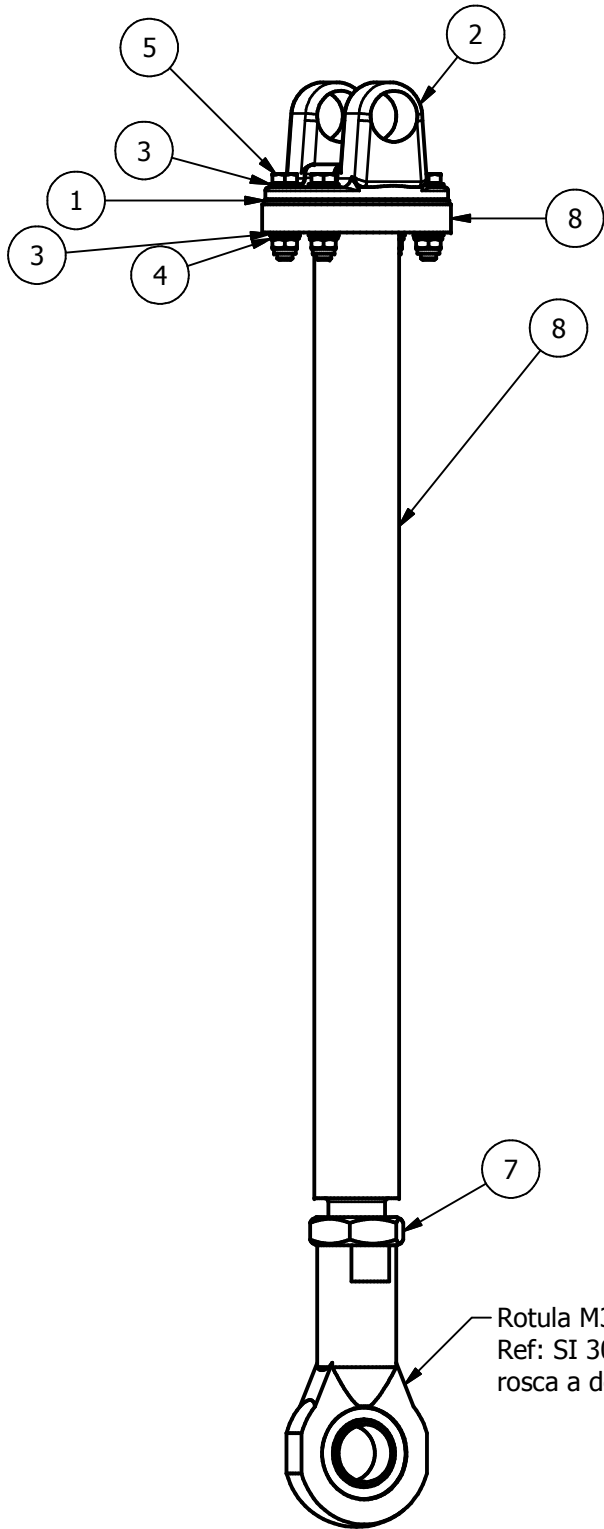
PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
3	LHD-3DF-V001-CQEX001	Casquillo empujador exterior. Pintar de negro satinado liso.

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	3	LHD-3DF-V002-LEVA002	Leva. Acabado cincado

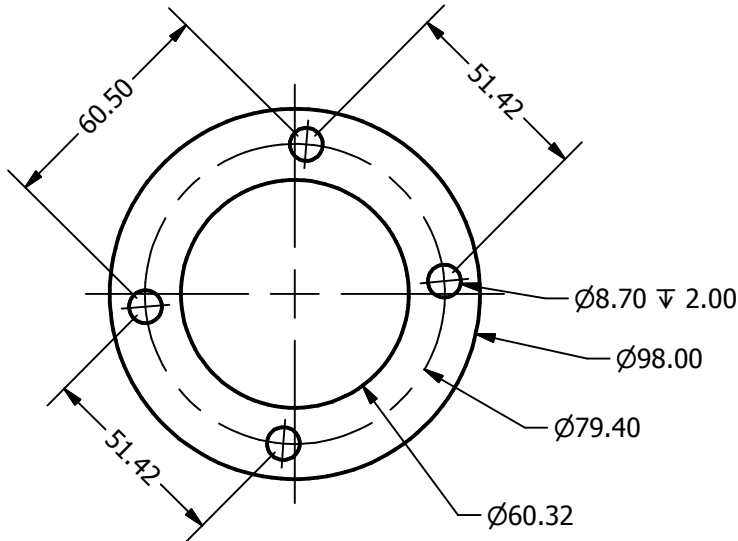
DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE		
QA		Plataforma de movimiento 1 tonelada		
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 17 OF 25	



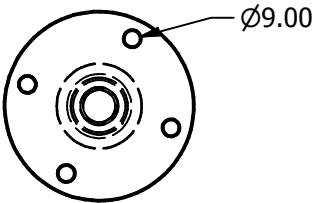
LHD-3DF-V002-EMPC001
SCALE 1 / 4



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	3DOF250-V002-ACOCARC001	Acoplador para cardan Anticardan plato A-PC-131-L. Chapa 2mm
2	1	Articardan_plato_A-PC-131-L	Plato cardan A-PC-131-L
3	8	DIN 125 - A 8,4	Washer
4	4	DIN 128 - A8	Spring Washer
5	4	ISO 4017 - M8 x 40	Hexagon head screws
7	1	ISO 8675 - M30 x 2	Hexagon thin nuts (chamfered) with metric fine pitch thread
8	1	LHD-3DF-V002-EMPS001	Empujador, soldado
15	4	DIN 985 - M8	Hex Nut

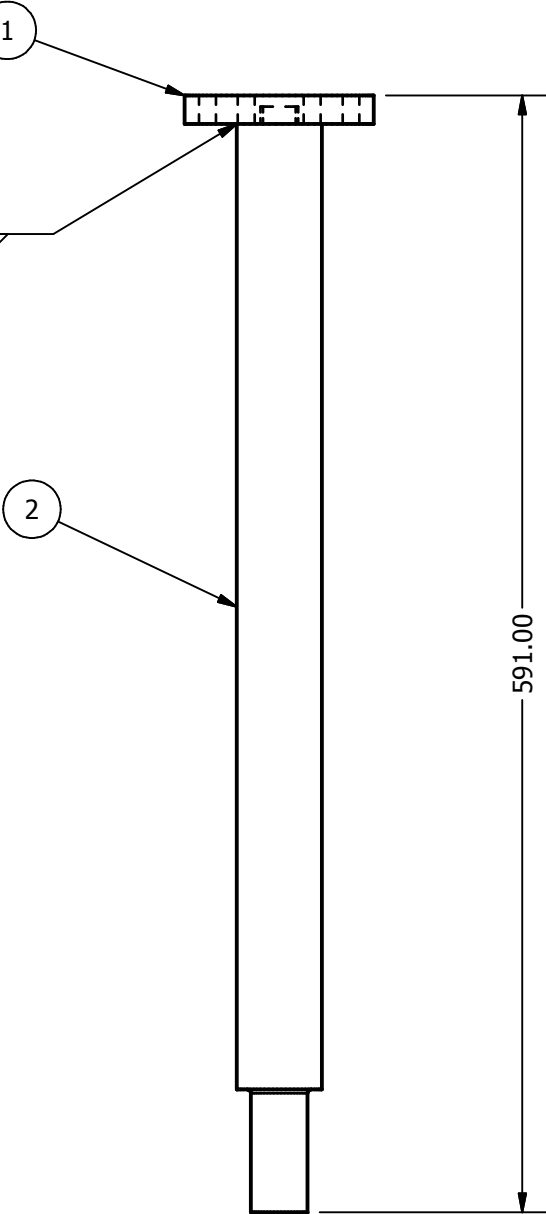


3DOF250-V002-ACOCARC001
SCALE 1 / 2



LHD-3DF-V002-EMPS001
SCALE 1 / 4

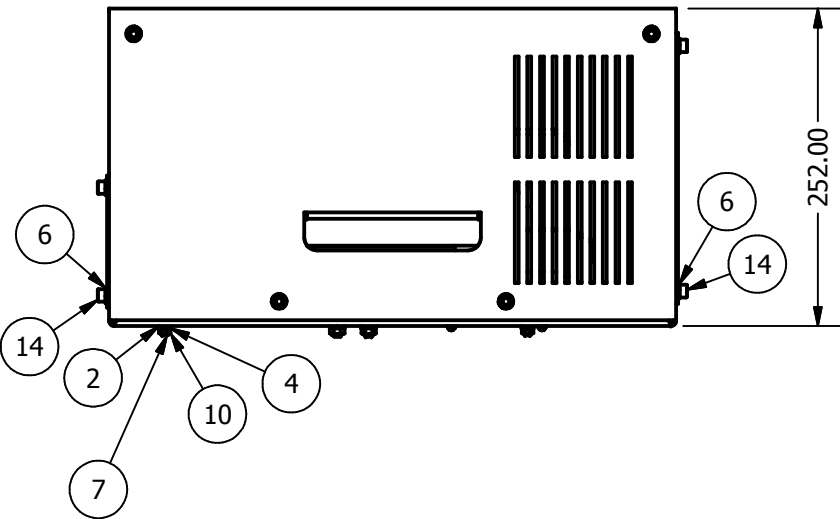
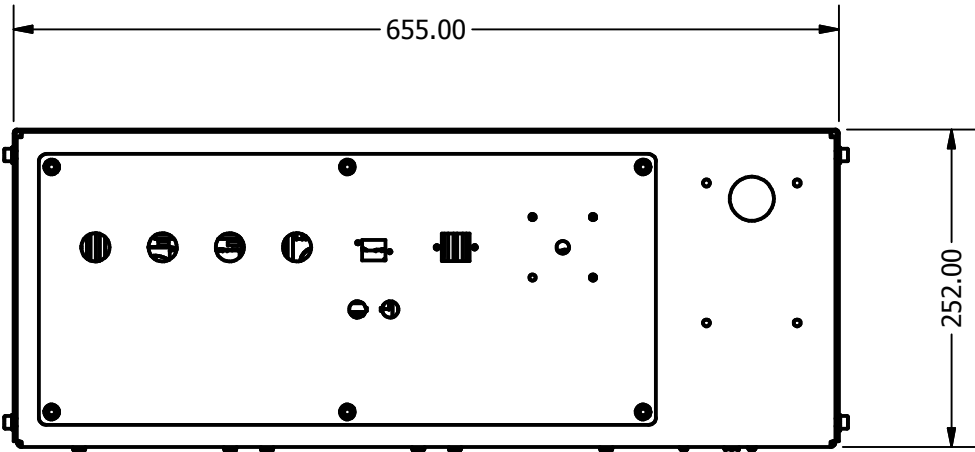
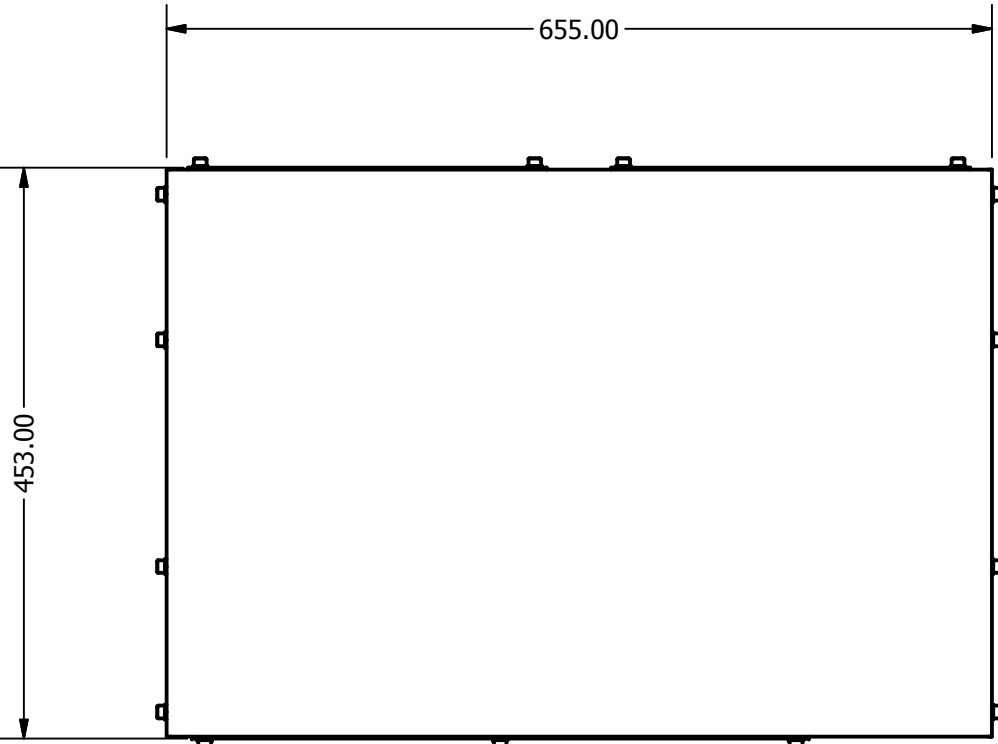
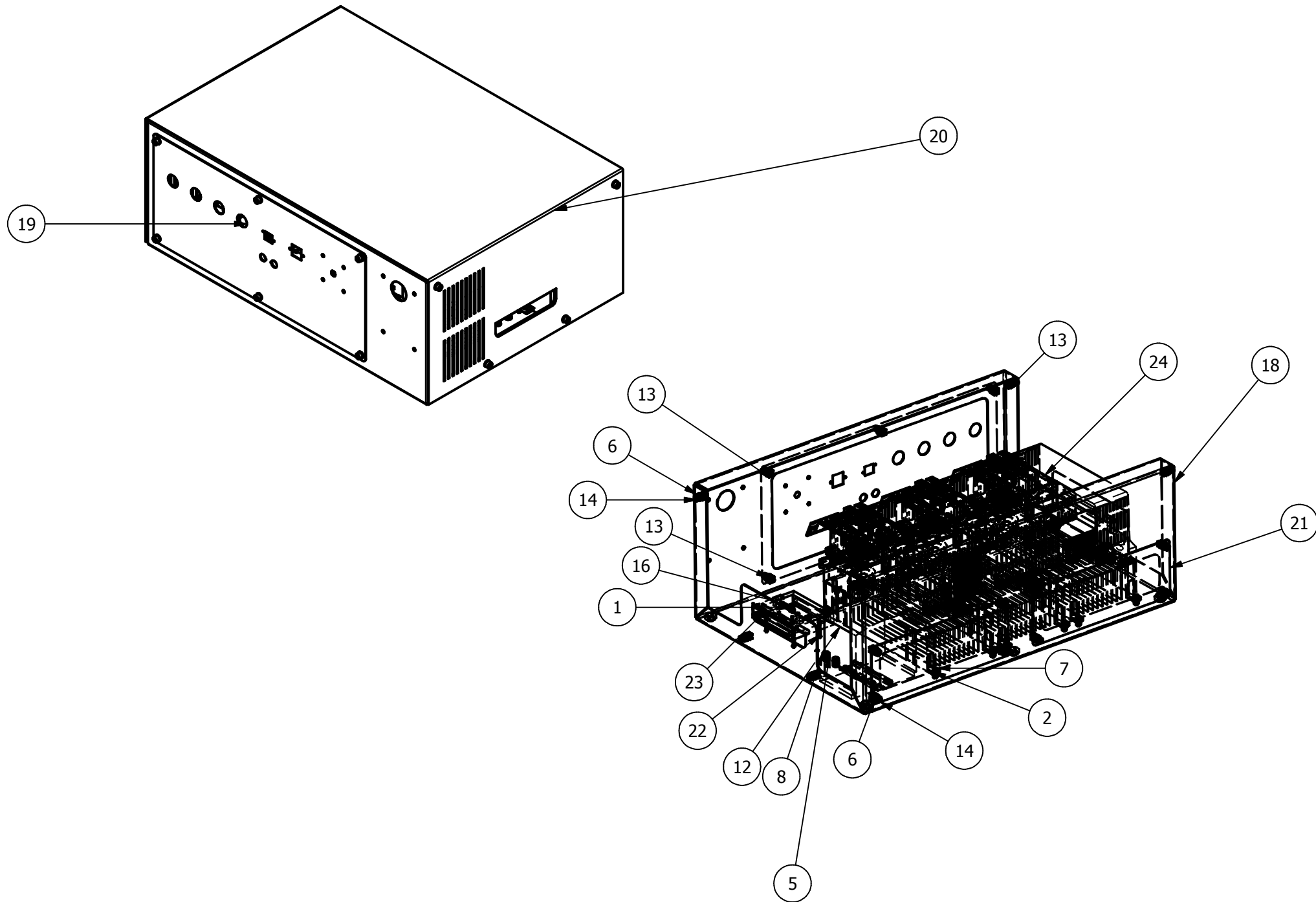
Soldadura de unión
tras roscar los dos elementos



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	LHD-3DF-V002-EPPC001	Empujador, placa
2	1	LHD-3DF-V002-EPBR001	Empujador, barra

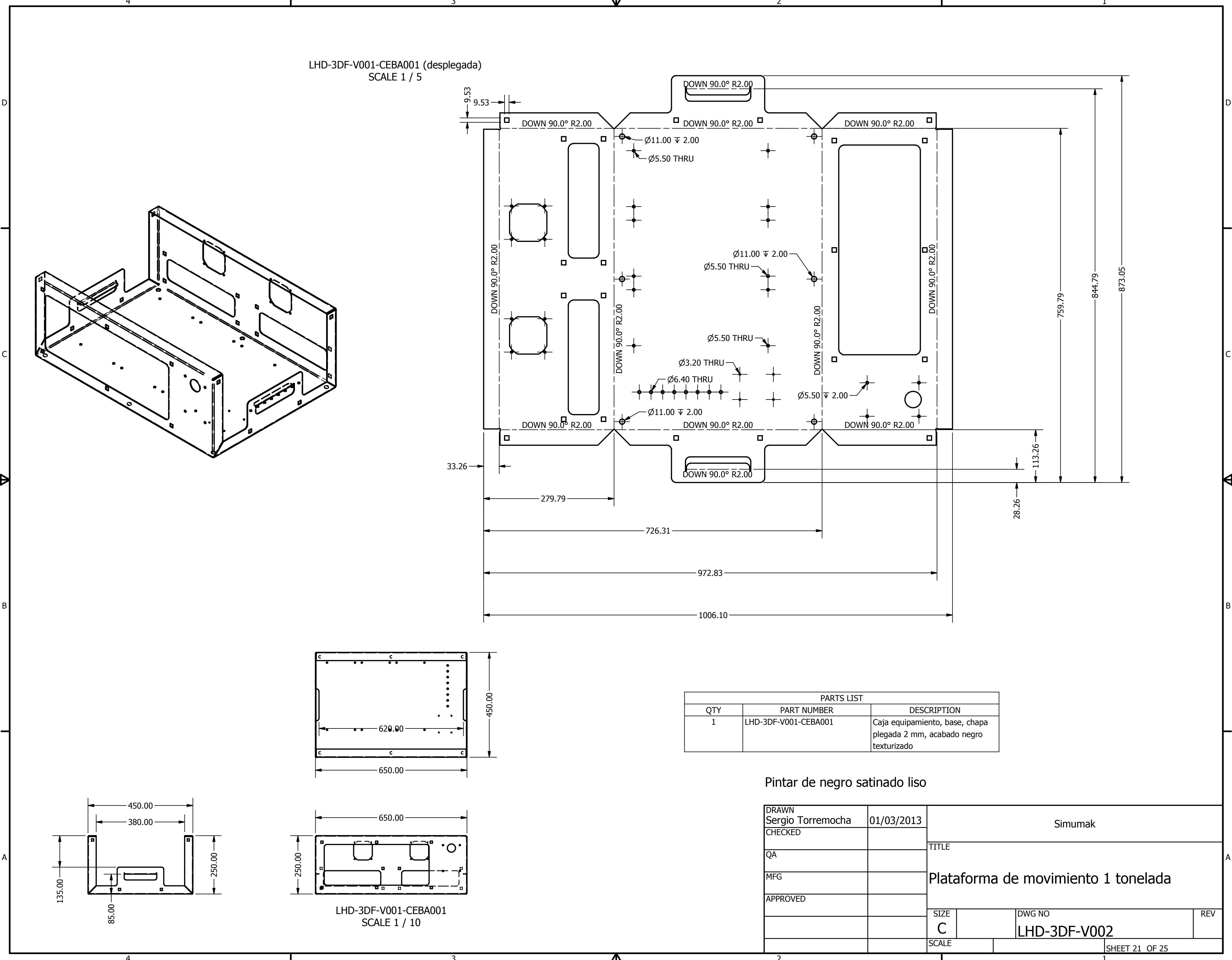
Acabado cincado

DRAWN Sergio Torremocha	01/03/2013	Simumak	
CHECKED		TITLE	
QA		Plataforma de movimiento 1 tonelada	
MFG		DWG NO	
APPROVED		LHD-3DF-V002	
		SCALE	REV

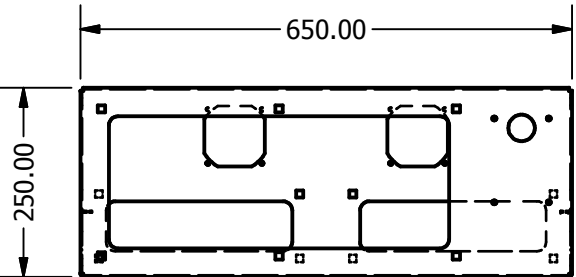
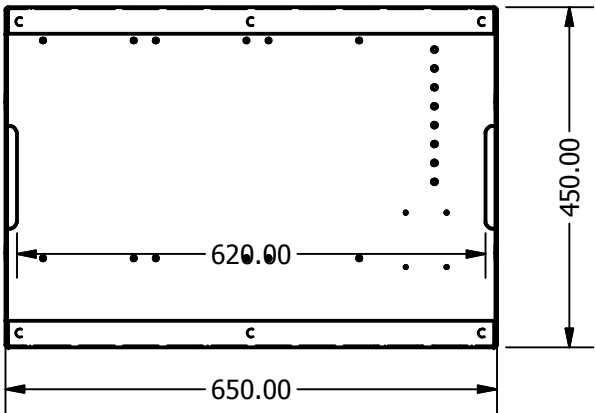


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	8	DIN 125 - A 3,2	Washer
2	24	DIN 125 - A 5,3	Washer
3	2	DIN 125 - A 6,4	Washer
4	12	DIN 127 - A 5	Spring Washer
5	2	DIN 127 - A 6	Spring Washer
6	22	DIN 128 - A6	Spring Washer
7	12	DIN 933 - M5 x 14	Hex-Head Bolt
8	2	DIN 933 - M6 x 12	Hex-Head Bolt
9	6	DIN 934 - M10	Hex Nut
10	12	DIN 934 - M5	Hex Nut
11	2	DIN 934 - M6	Hex Nut
12	1	DRA 240 W	Fuente alimentación Chinfra
13	22	Harrison Spring Steel Cage Nut M6 9562 o equivalente	Tuerca jaula M6 para chapa 1.7-2.7
14	22	ISO 4762 - M6 x 16	Hexagon Socket Head Cap Screw
15	4	ISO 7045 - M3 x 4 - 4.8 - H	Cross Recessed Pan Head Machine Screw
16	4	ISO 7045 - M3 x 5 - 4.8 - H	Cross Recessed Pan Head Machine Screw
17	1	L100mm	Carril DIN
18	1	LHD-3DF-V001-CEBA001	Caja equipamiento, base, chapa plegada 2 mm, acabado negro texturizado
19	1	LHD-3DF-V001-CEPF001	Caja equipos, tapa frontal, chapa 1.5 mm, acabado RAL 7015
20	1	LHD-3DF-V001-CETA001	Caja equipos, tapa, chapa plegada 1.5 mm, acabado negro texturizado
21	2	LHD-3DF-V001-CETP001	Caja equipos, registro posterior, chapa 1.5 mm, acabado RAL 7015
22	4	Separador_20mm_M3_HH	Separador 20 mm, M3, hembra/hembra
23	1	rabbit	Centralita electrónica
24	3	variador	

DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE		
QA		Plataforma de movimiento 1 tonelada		
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 20 OF 25	



LHD-3DF-V001-CEBA001 (desplegada)
SCALE 1 / 5

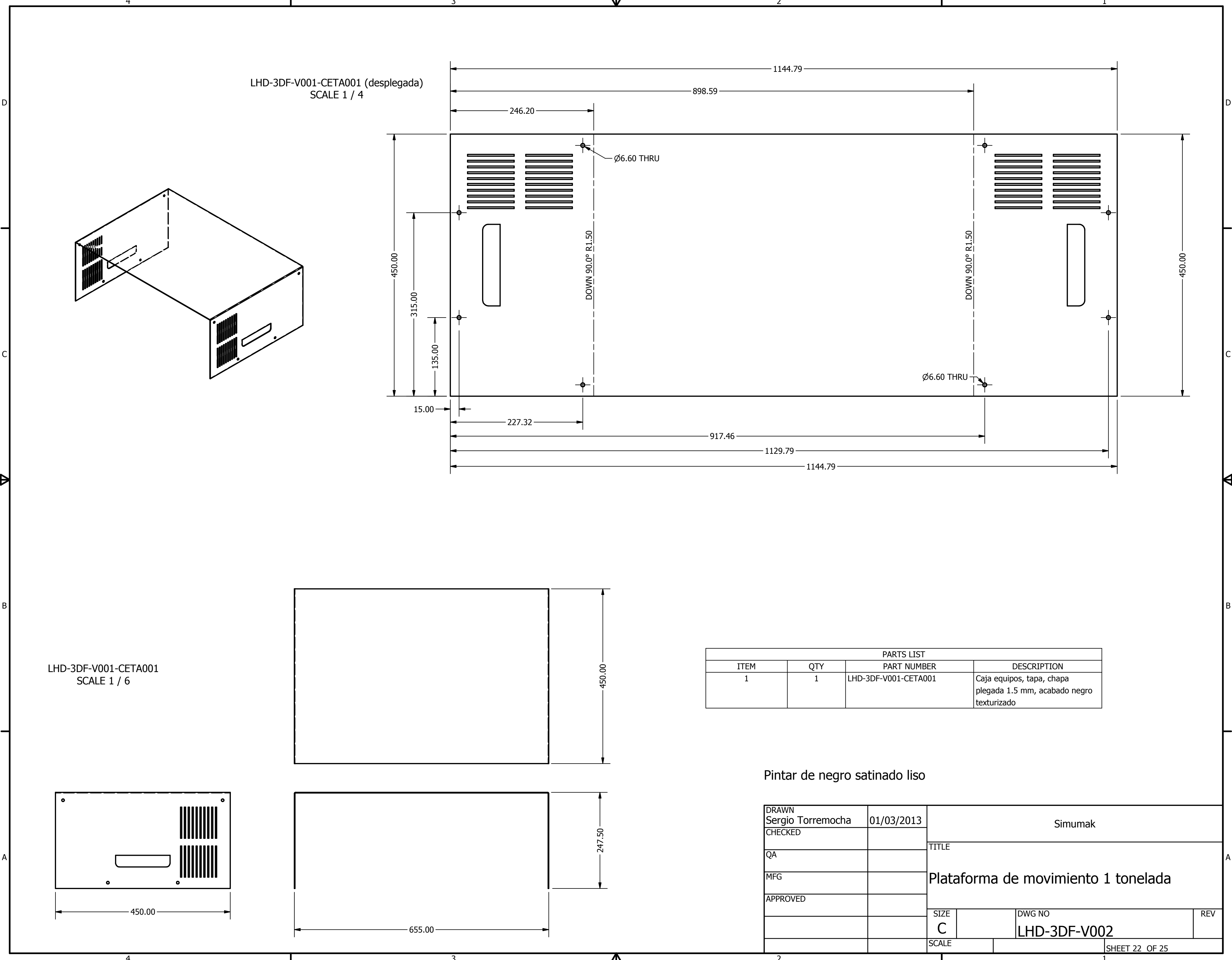


LHD-3DF-V001-CEBA001
SCALE 1 / 10

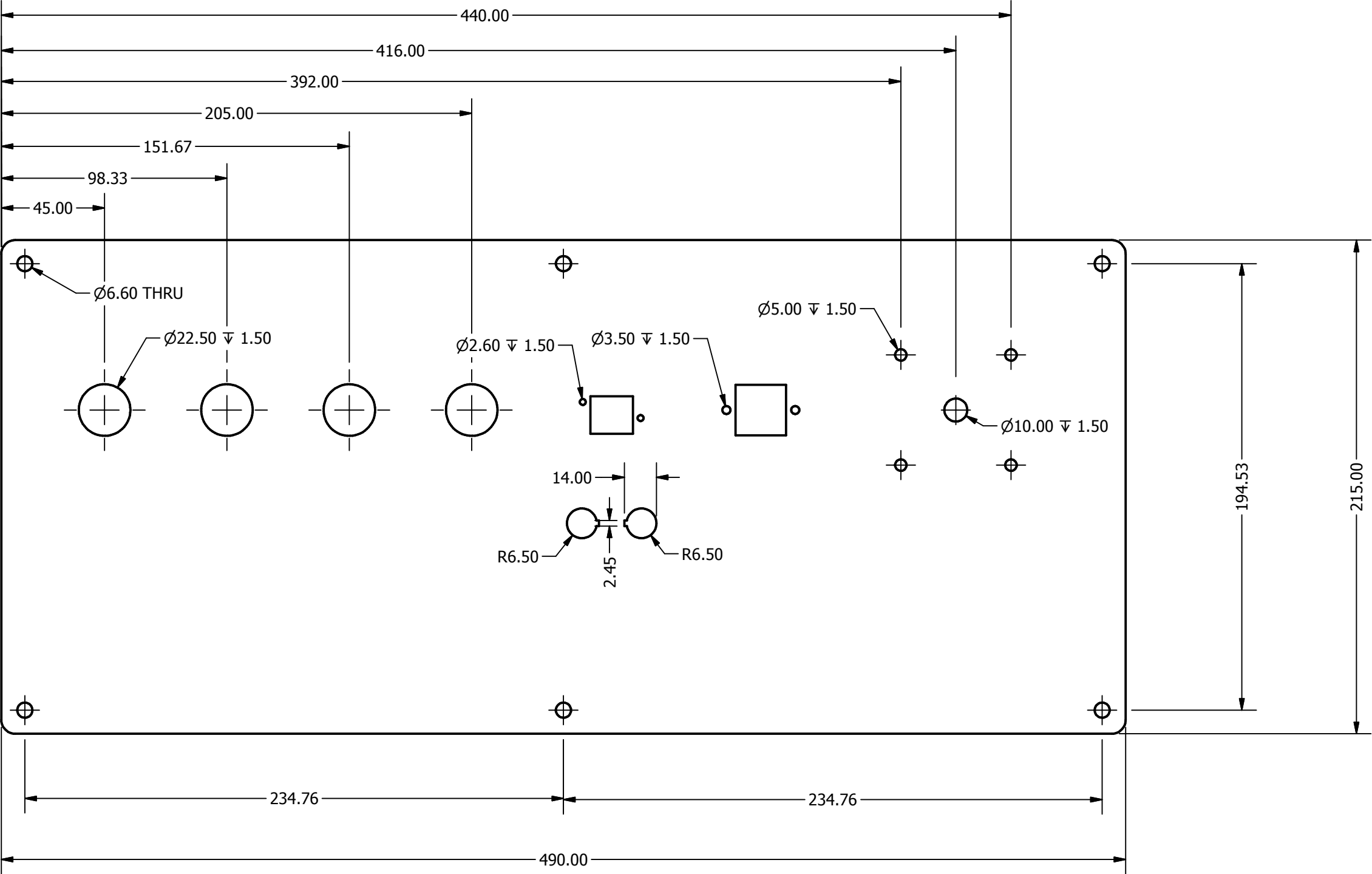
PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
1	LHD-3DF-V001-CEBA001	Caja equipamiento, base, chapa plegada 2 mm, acabado negro texturizado

Pintar de negro satinado liso

DRAWN Sergio Torremocha	01/03/2013	Simumak		
		TITLE		
CHECKED		Plataforma de movimiento 1 tonelada		
QA				
MFG				
APPROVED		SIZE	DWG NO	REV
		C	LHD-3DF-V002	
		SCALE	SHEET 21 OF 25	



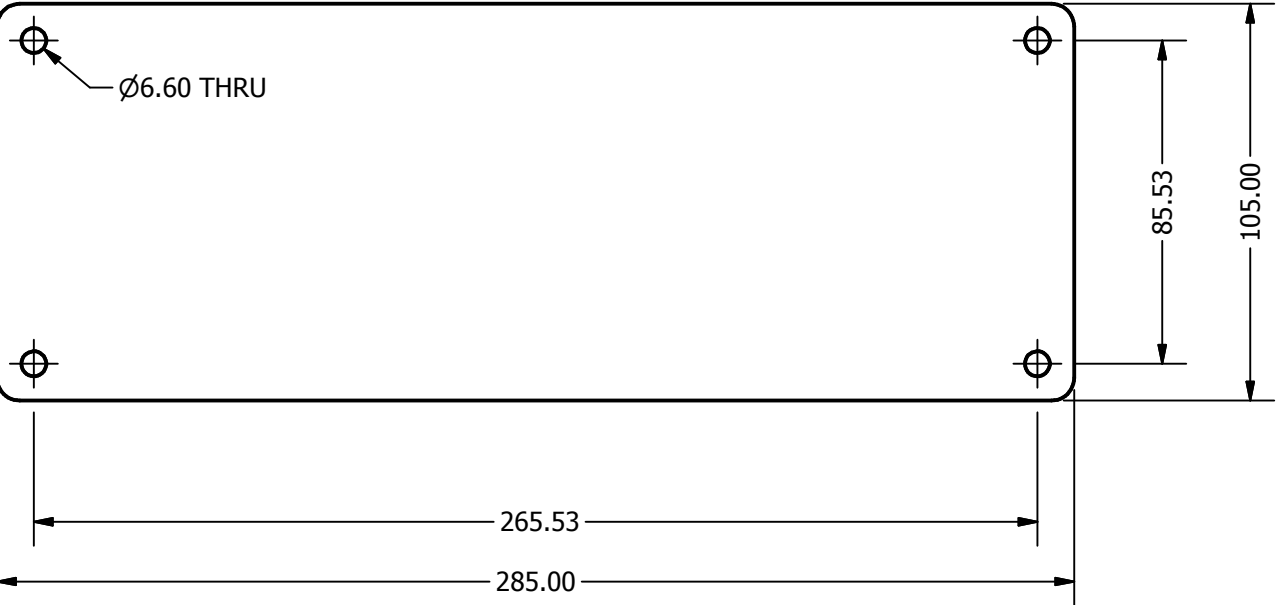
LHD-3DF-V001-CEPF001
SCALE 1 / 2



PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
2	LHD-3DF-V001-CETP001	Caja equipos, registro posterior, chapa 1.5 mm

PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
1	LHD-3DF-V001-CEPF001	Caja equipos, tapa frontal, chapa 1.5 mm

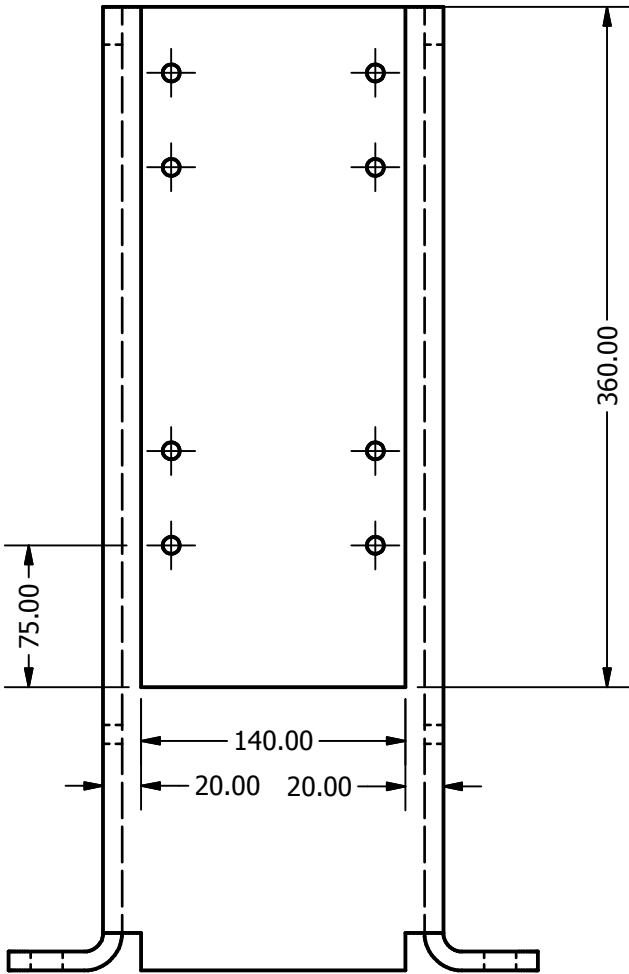
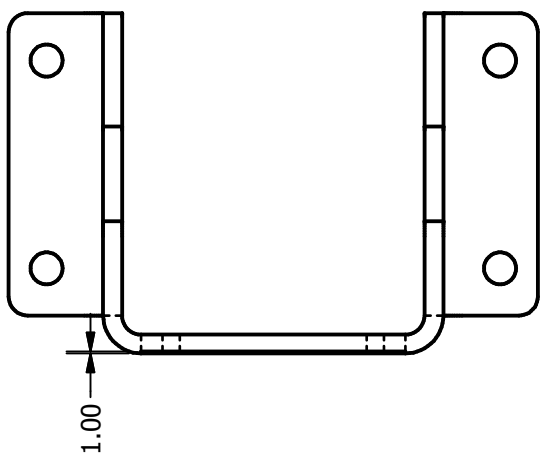
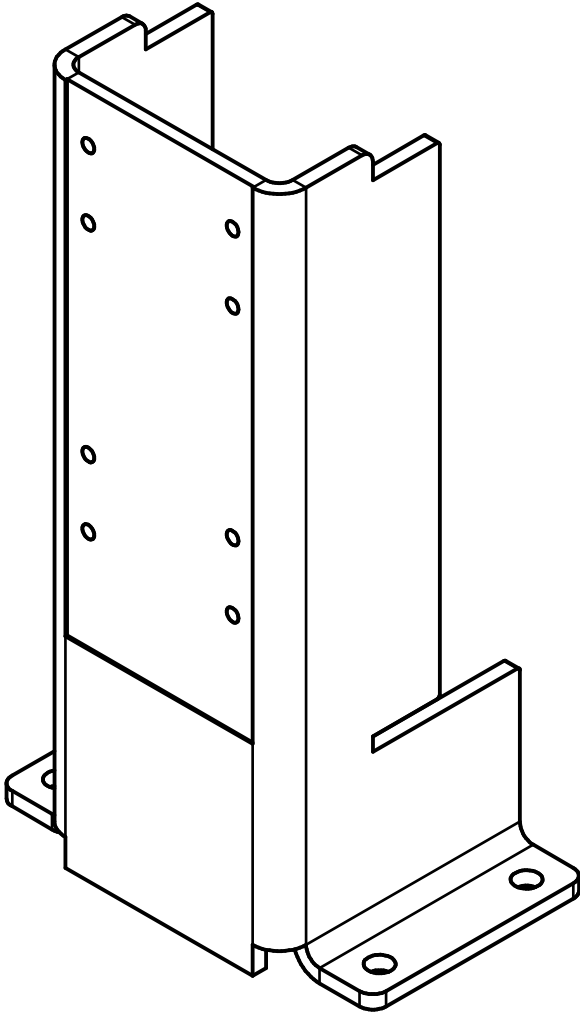
LHD-3DF-V001-CETP001
SCALE 1 / 2



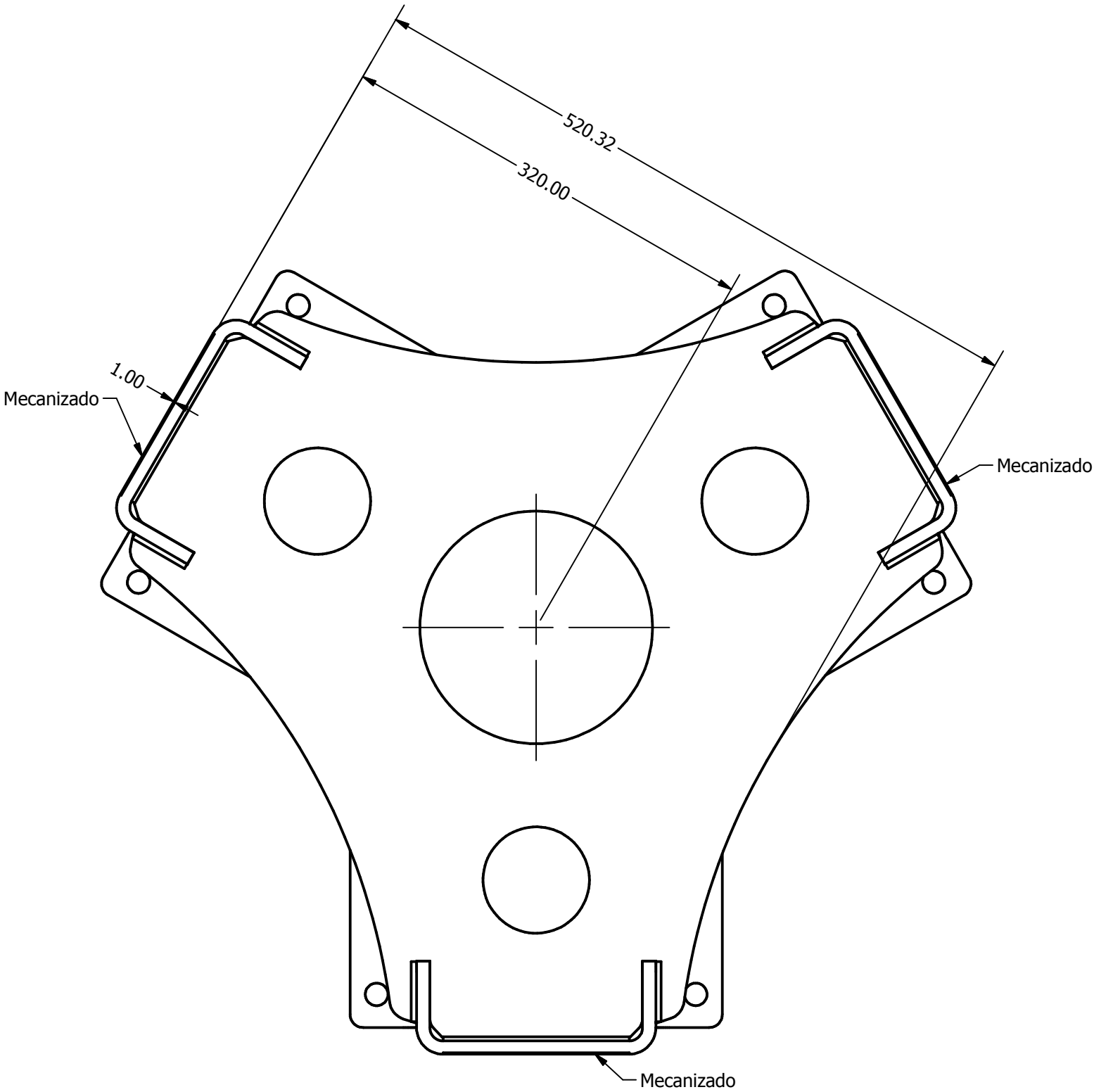
Pintar de negro satinado liso

DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE		
QA		Plataforma de movimiento 1 tonelada		
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 23 OF 25	

Mecanizado de LHD-3DF-V002-SSGV001 tras la soldadura del conjunto LHD-3DF-V002-ARO002



LHD-3DF-V002-SSGV001
SCALE 1 / 4

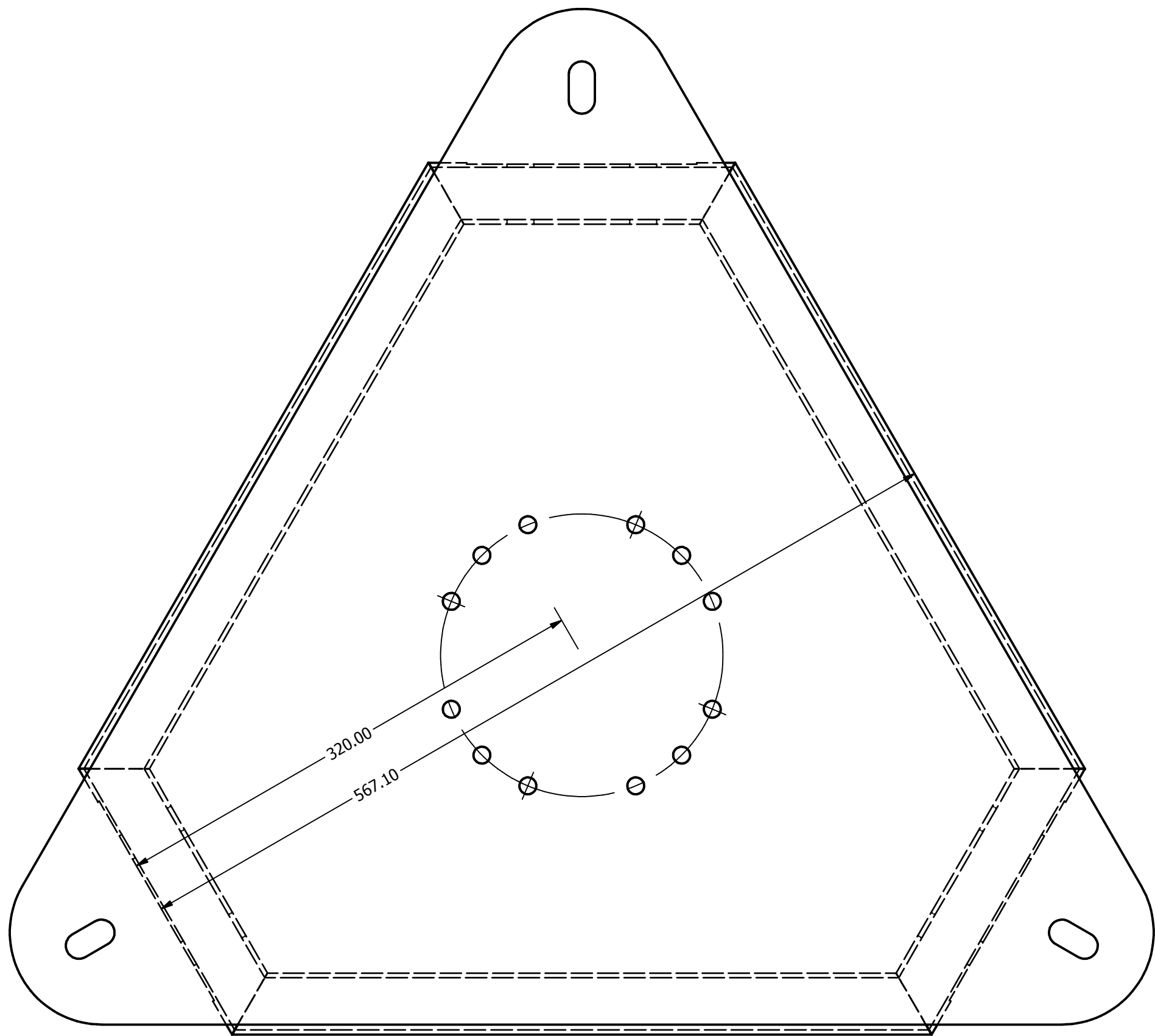


LHD-3DF-V002-ARO002
SCALE 1 / 4

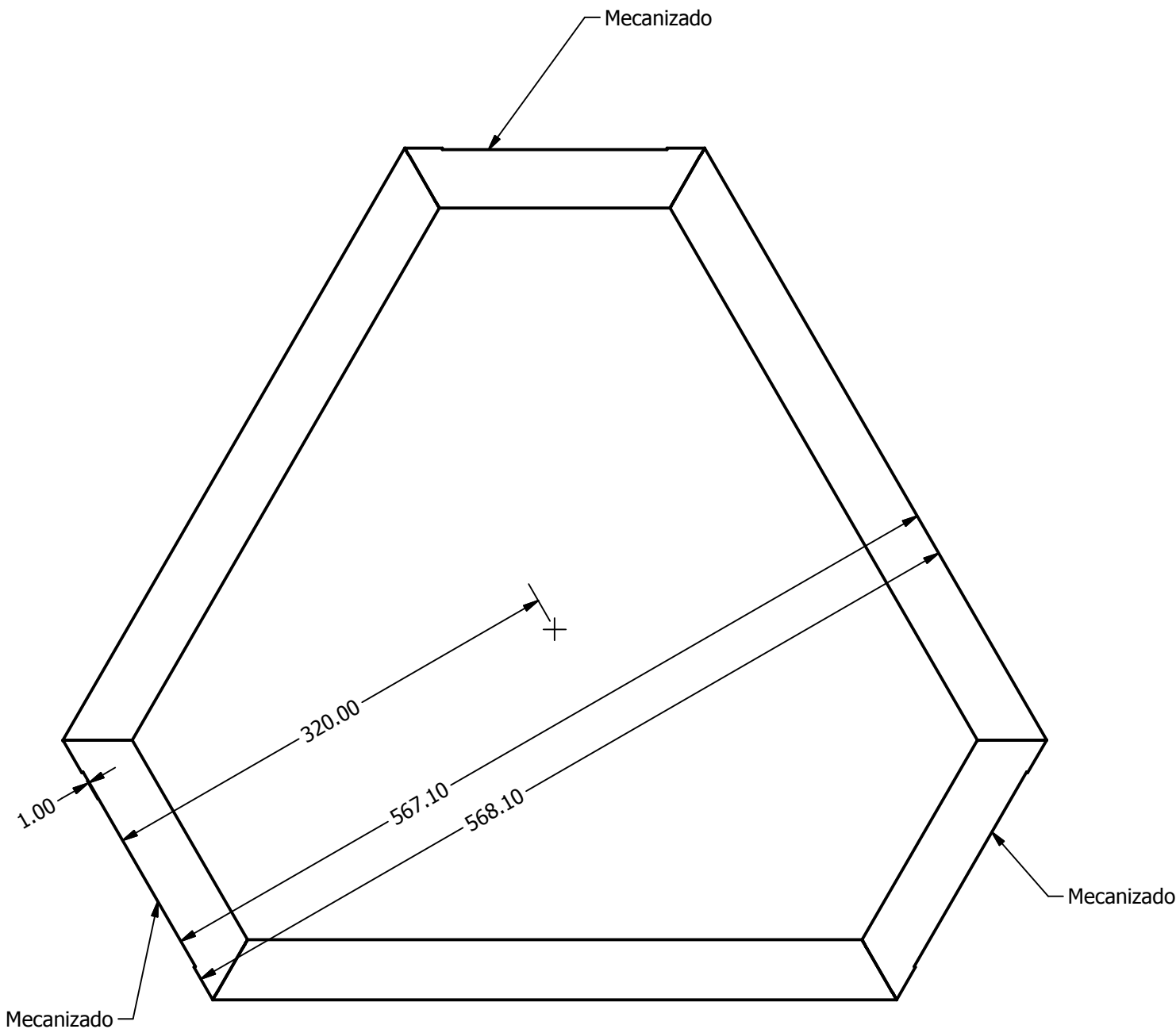
La distancia del centro a las caras mecanizadas, tanto en LHD-3DF-V002-ARO002 como en LHD-3DF-V002-SGPS002 debe ser LA MISMA DISTANCIA (320.00 mm), si no fuese posible 320.00 mecanizar hasta conseguir otra distancia similar pero con el unico requisito de cumplir esta condición.

DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE		
QA		Plataforma de movimiento 1 tonelada		
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 24 OF 25	

Mecanizado de LHD-3DF-V002-GEDU001 tras la soldadura del conjunto LHD-3DF-V002-SGPS002



LHD-3DF-V002-SGPS002
SCALE 1 / 3



LHD-3DF-V002-GEDU001
SCALE 1 / 4

La distancia del centro a las caras mecanizadas, tanto en LHD-3DF-V002-ARO002 como en LHD-3DF-V002-SGPS002 debe ser LA MISMA DISTANCIA (320.00 mm), si no fuese posible 320.00 mecanizar hasta conseguir otra distancia similar pero con el unico requisito de cumplir esta condición.

DRAWN Sergio Torremocha	01/03/2013	Simumak		
CHECKED		TITLE		
QA		Plataforma de movimiento 1 tonelada		
MFG				
APPROVED				
		SIZE C	DWG NO LHD-3DF-V002	REV
		SCALE	SHEET 25 OF 25	