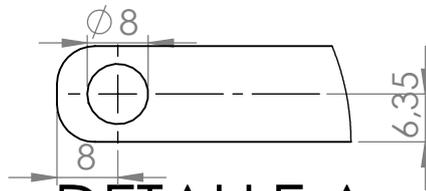
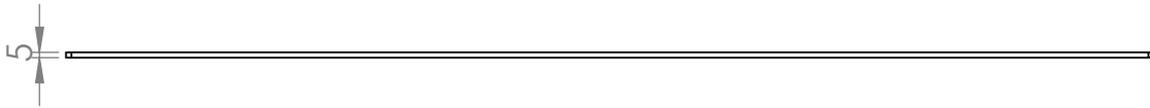
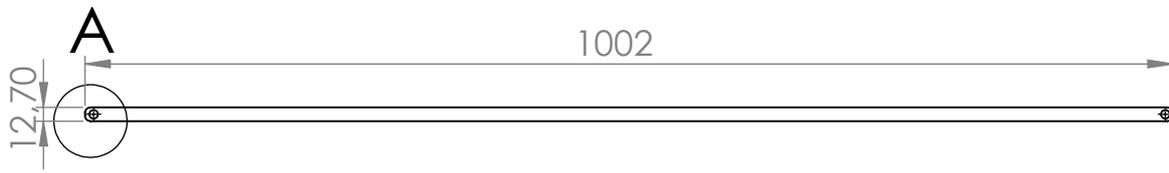


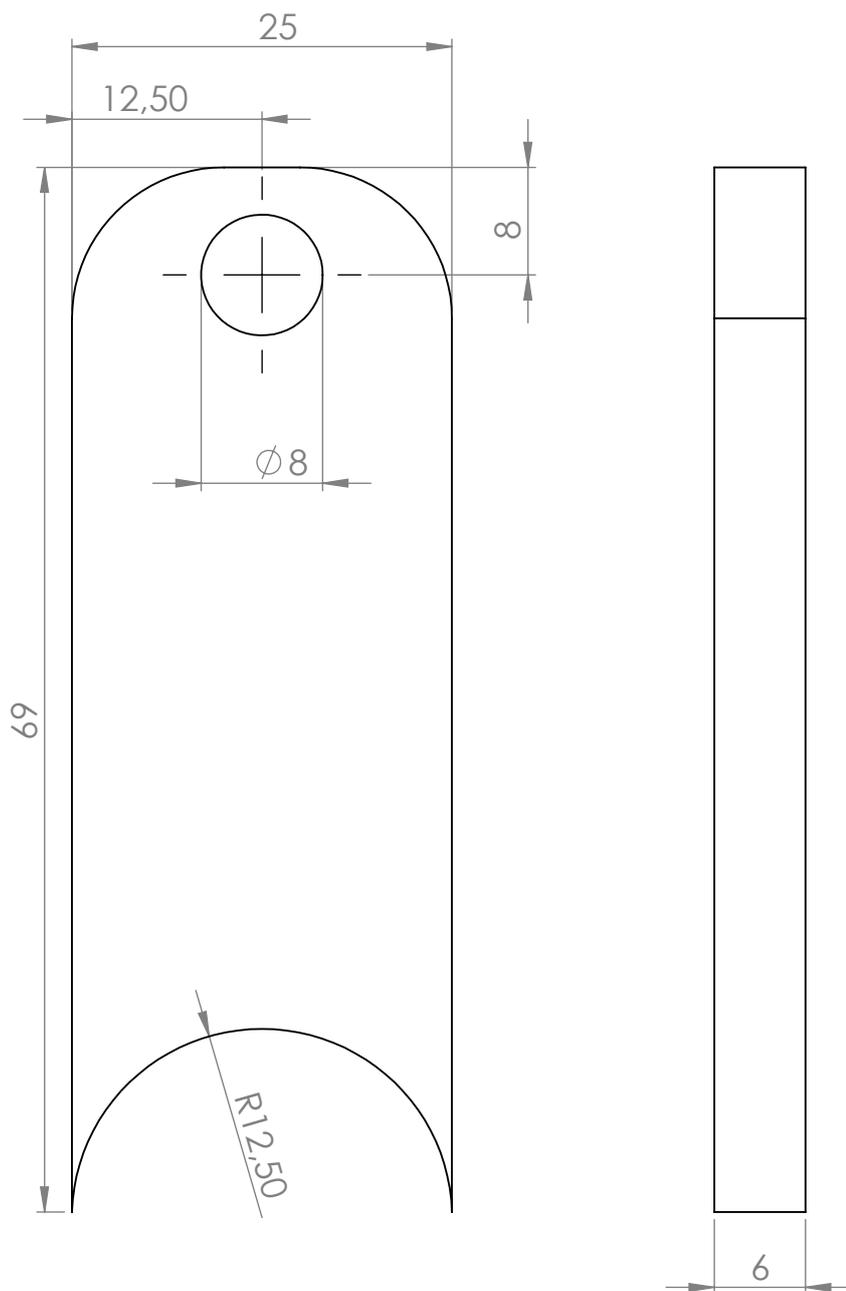
Materiales:
 Hierro estructural UPN 50x25x6 de acero ASTM A36
 Para los travesaños interiores son de perfil angulo alas iguales de 44,5x44,5x5mm.

Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	7/4/15	Carlos		
Euler Cardinaux	Apr.			ECM	Curso: 5to electromecanica
	ESC				Documento N°
	Toler. Rug.				Reempl. Ninguno

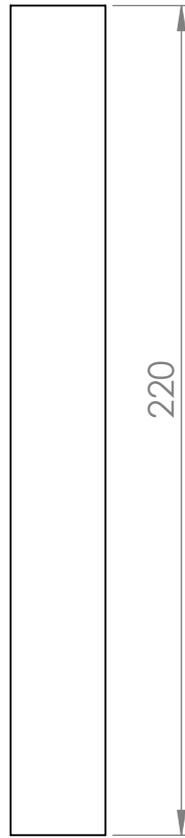
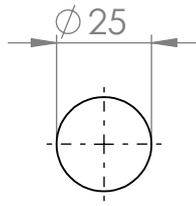


DETALLE A
ESCALA 1 : 1

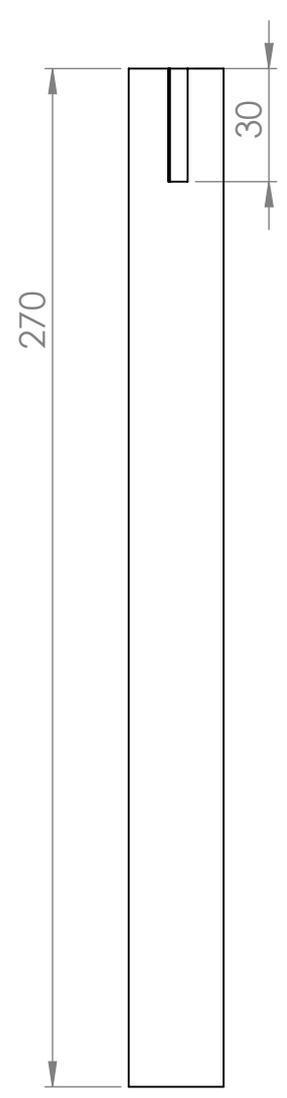
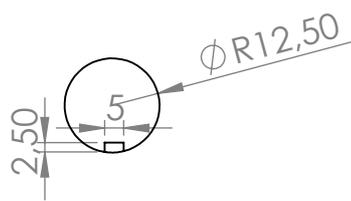
Integrantes del grupo	Dib.	fecha	Nombre	PFC-1412A	UTN- FRCU
	Rev.	5/4/15	Carlos		
	Aprob.				
Euler Cardinaux	Esc.	Barra de accionamiento			curso: 5to electromecanica
	Toler.				Documento N°
	Rug.				Reempl. Ninguno



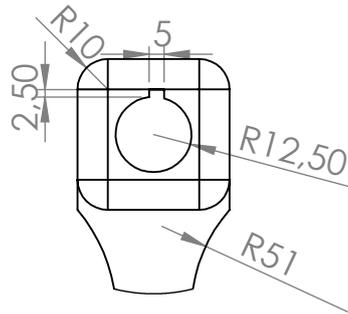
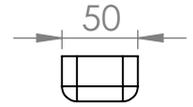
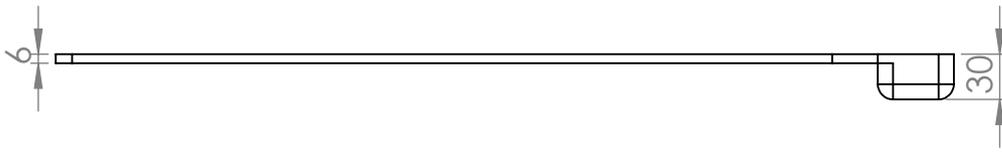
Integrantes del grupo	Dib.	fecha	Nombre	PFC-1412A	UTN- FRCU
	Rev.	5/4/15	Carlos		
	Aprob.				
Euler Cardinaux	Esc.	Brazo de accionamiento			curso: 5to electromecanica
	Toler.				Documento N°
	Rug.				Reempl. Ninguno



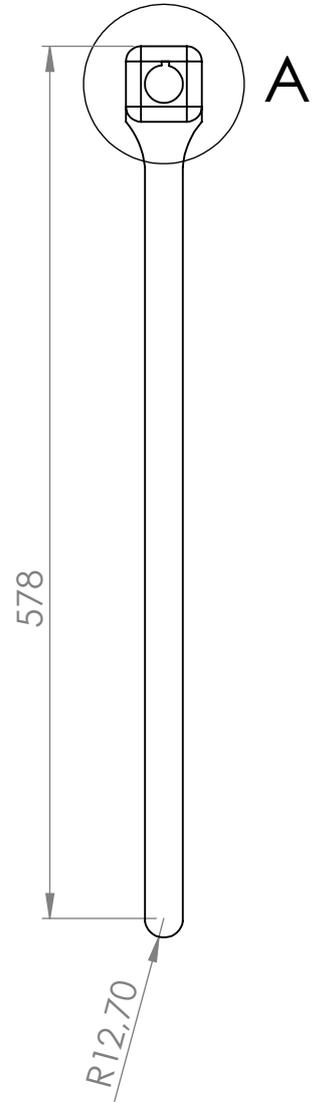
Integrantes del grupo	Dib.	fecha	Nombre	PFC-1412A	UTN- FRCU
	Rev.	6/4/15	Carlos		
	Aprob.				
Euler Cardinaux	Esc.	Eje corto			curso: 5to electromecanica
	Toler.				Documento N°
	Rug.				Reempl. Ninguno



Integrantes del grupo	Dib.	fecha	Nombre	PFC-1412A	UTN- FRCU
	Rev.	7/4/15	Carlos		
	Aprob.				
Euler Cardinaux	Esc.	Eje largo			curso: 5to electromecanica
	Toler.				Documento N°
	Rug.				Reempl. Ninguno

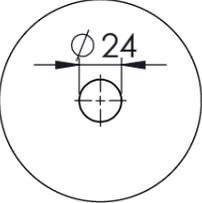


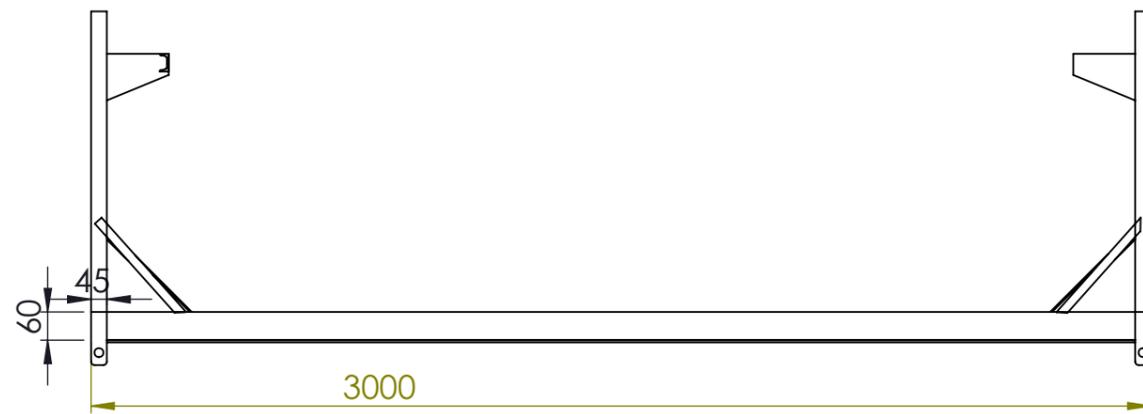
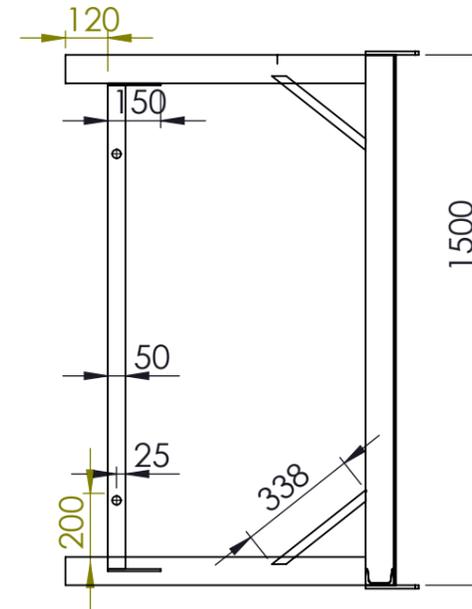
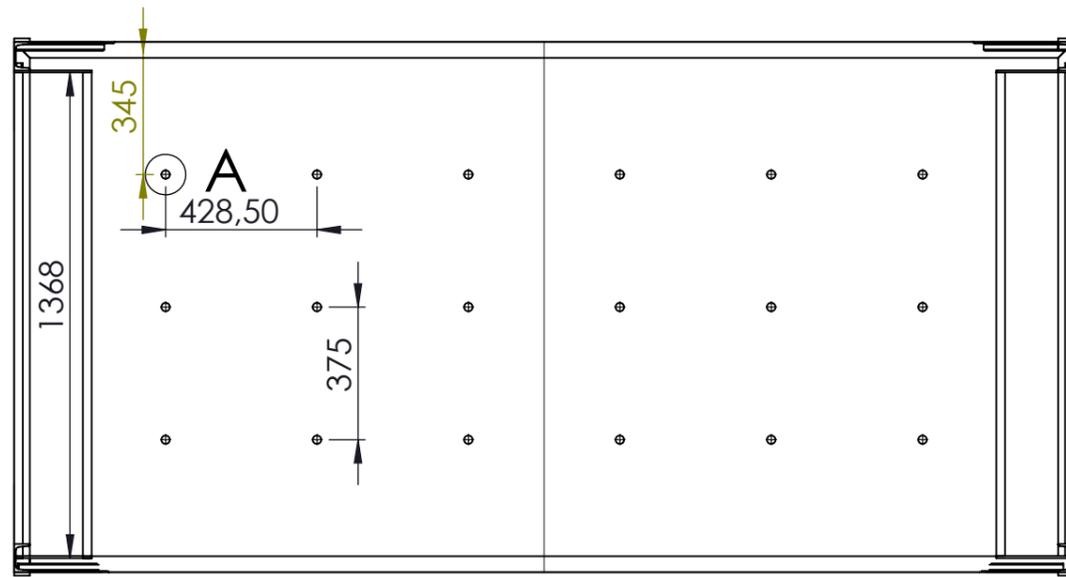
DETALLE A
ESCALA 2 : 5



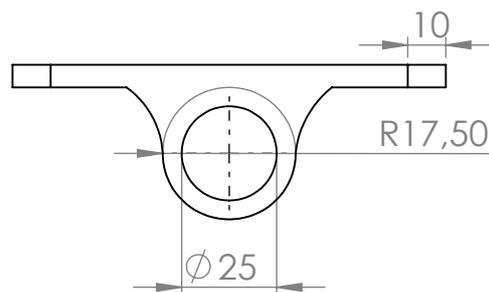
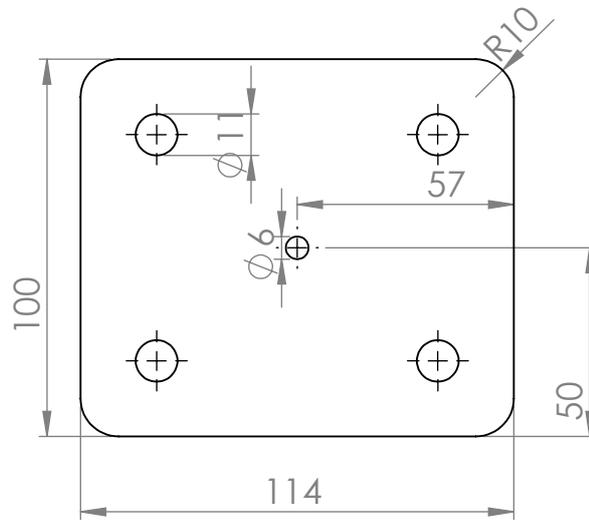
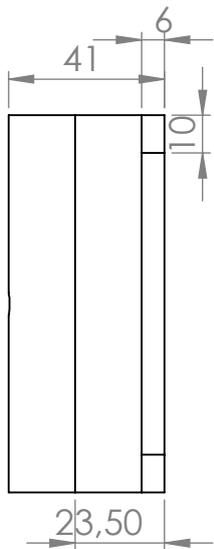
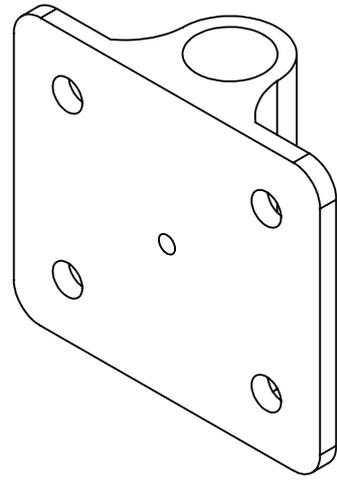
Integrantes del grupo	Dib.	fecha	Nombre	PFC-1412A	UTN- FRCU
	Rev.	7/4/15	Carlos		
	Aprob.				
Euler Cardinaux	Esc.	Manija			curso: 5to electromecanica
	Toler.				Documento N°
	Rug.				Reempl. Ninguno



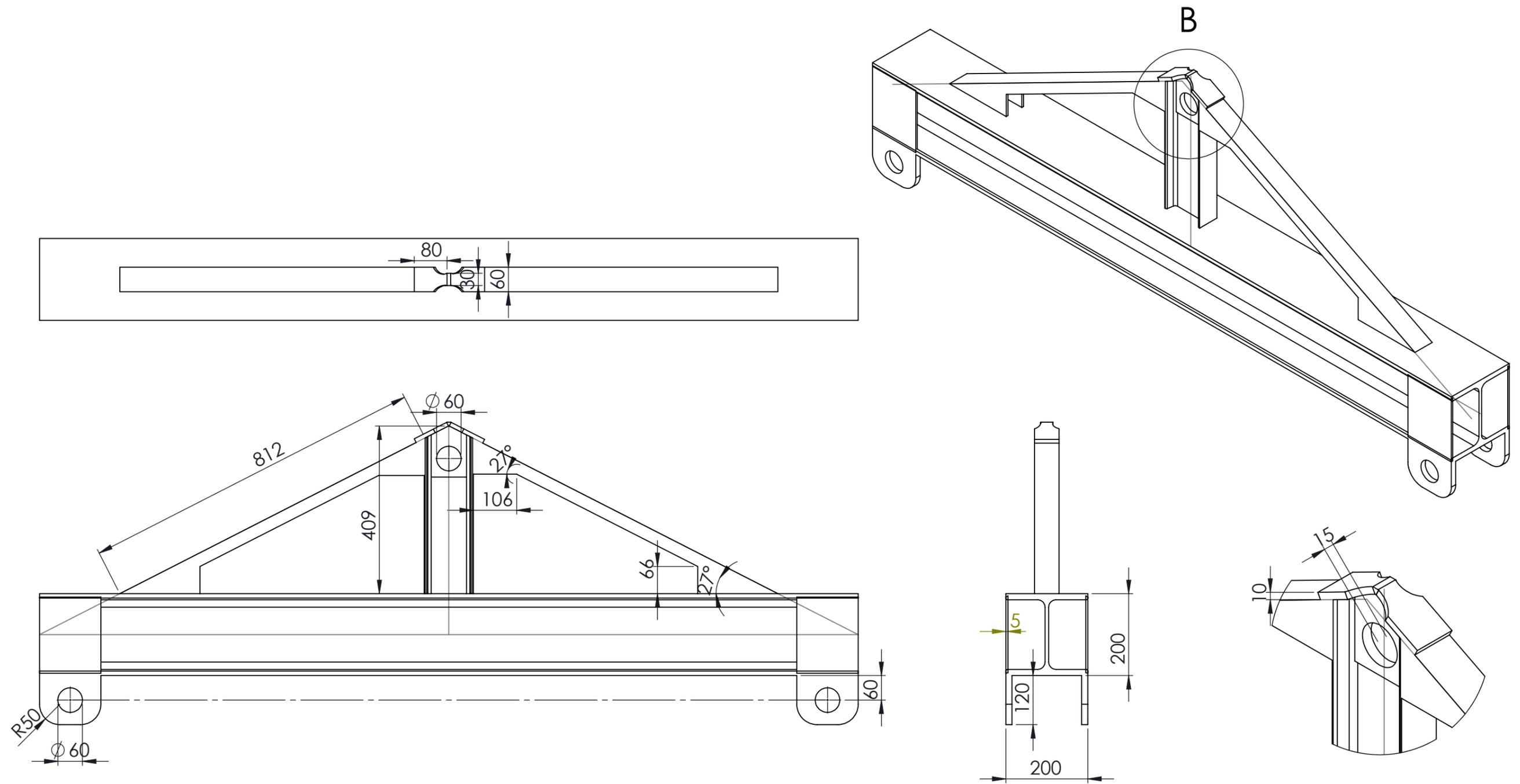

DETALLE A
ESCALA 1 : 4



Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	7/4/15	Carlos		
Euler Cardinaux	Apr.			MDM	Curso: 5to electromecanica
	Esc				Documento N°
	Toler. Rug.				Reempl. Ninguno



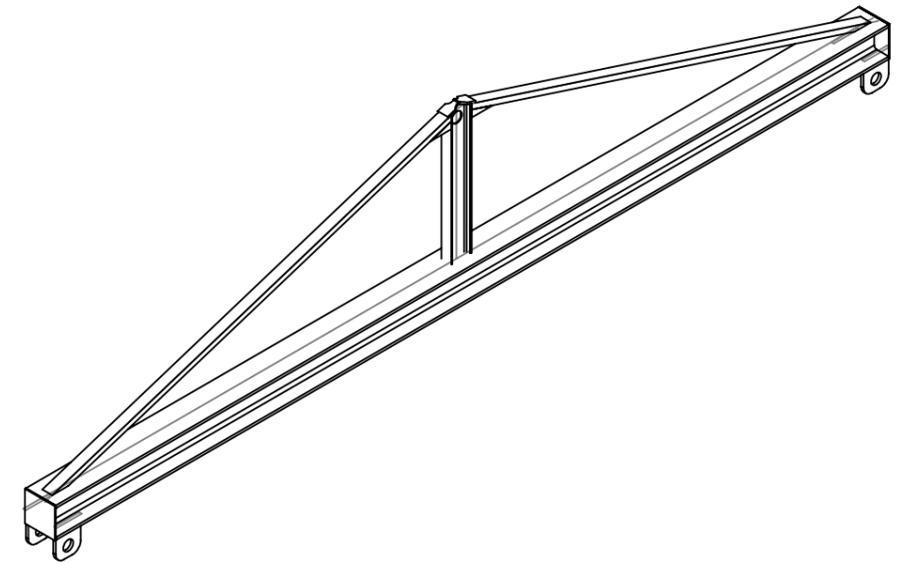
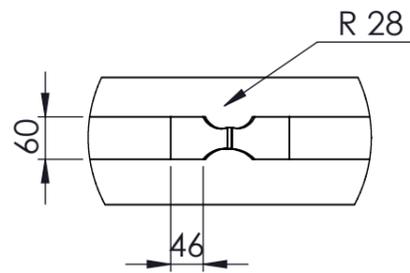
Integrantes del grupo	Dib.	fecha	Nombre	PFC-1412A	UTN- FRCU
	Rev.	7/4/15	Carlos		
	Aprob.				
Euler Cardinaux	Esc.	Porta rueda			curso: 5to electromecanica
	Toler.				Documento N°
	Rug.				Reempl. Ninguno



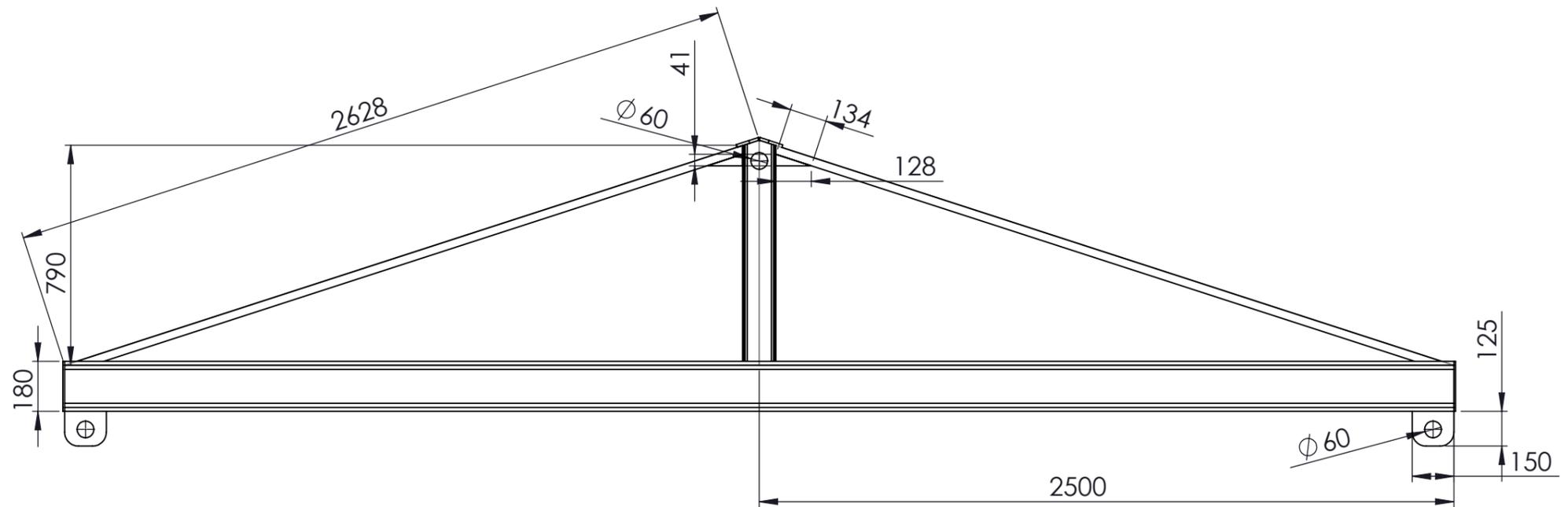
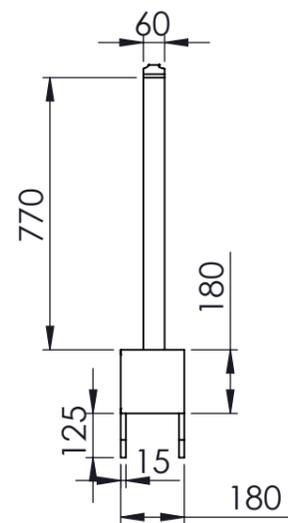
DETALLE B
ESCALA 1 : 5

Materiales:
 IPB 200
 IPN 120
 UPN 60
 los refuerzos triangulares son de 5mm de espesor

Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	7/4/15	Carlos		
	Apr.				
Euler Cardinaux	Toler. Rug.	Percha 2m		Curso: 5to electromecanica	
				Documento N°	
				Reempl. Ninguno	

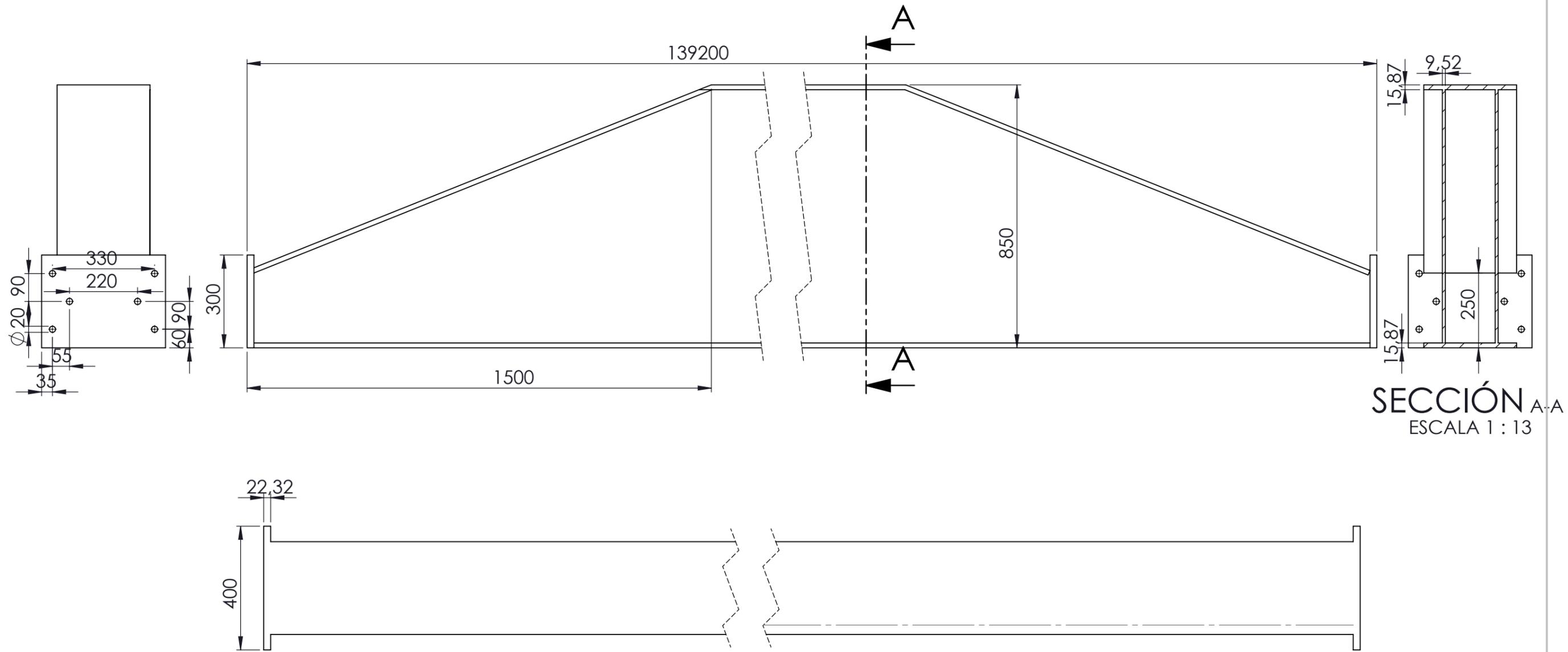


DETALLE A
ESCALA 1 : 10

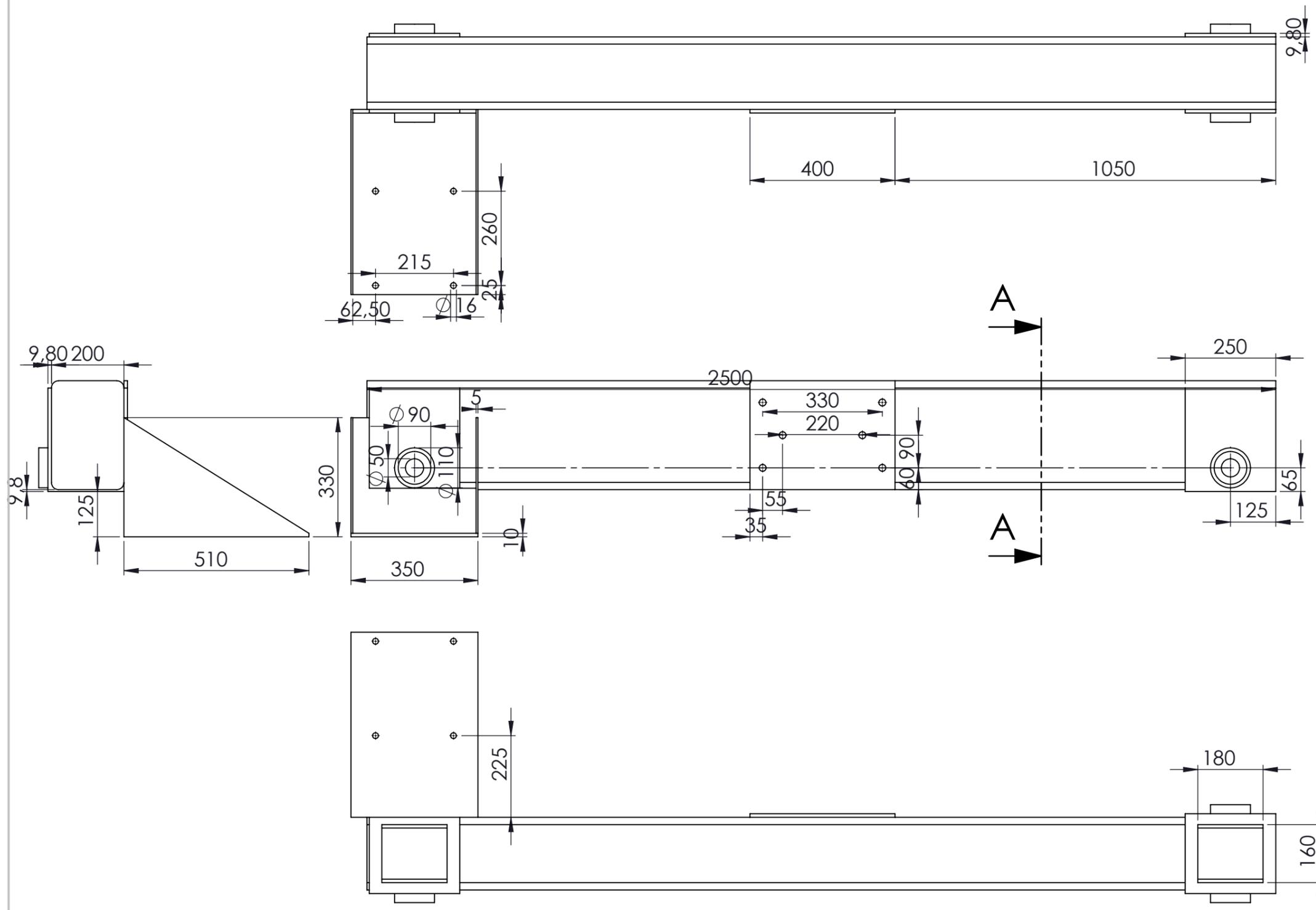


los perfiles usados son
UPN 60
IPB 180
IPN 120

Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	6/4/15	Carlos		
	Apr.				
Euler Cardinaux	Esc	Percha 5m		Curso: 5to electromecanica	
	Toler. Rug.			Documento N° Reempl. Ninguno	

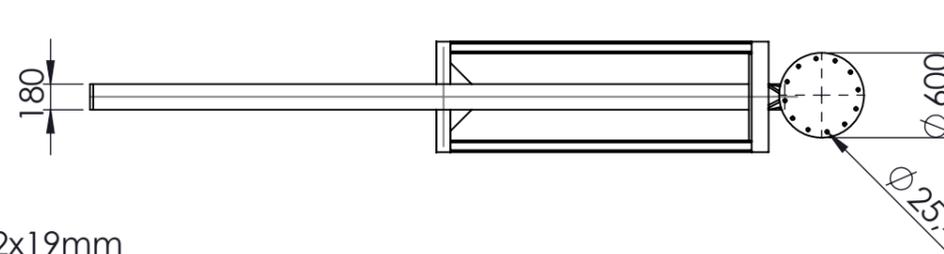
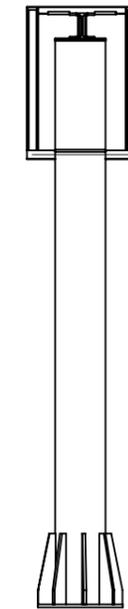
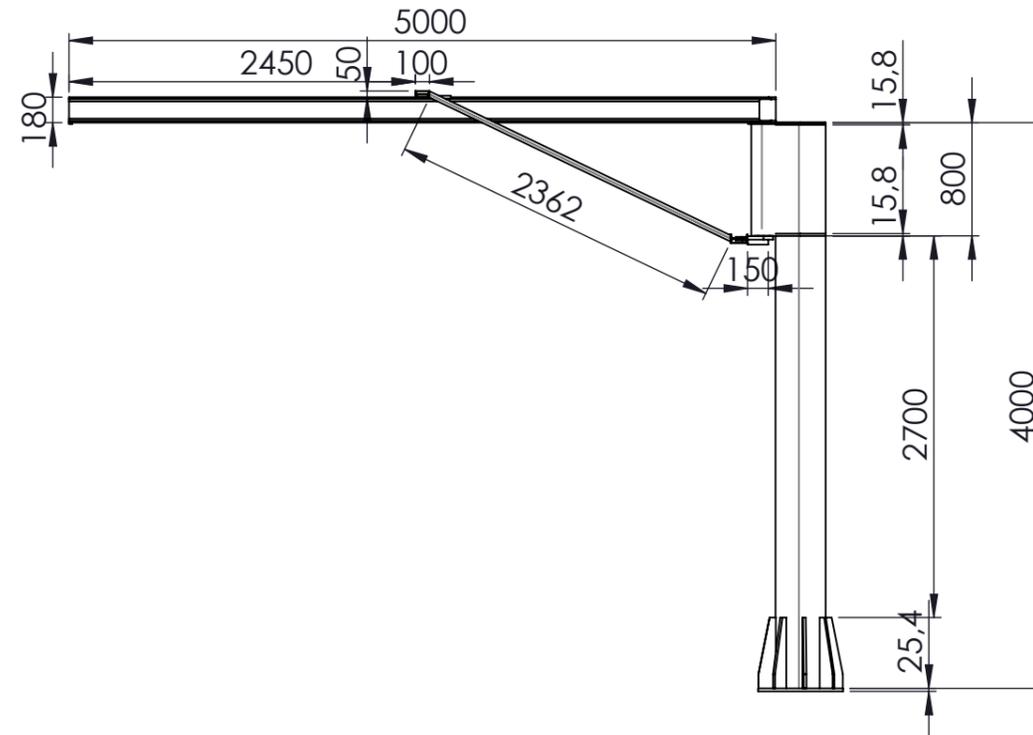
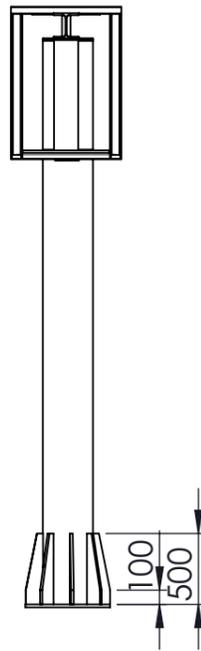
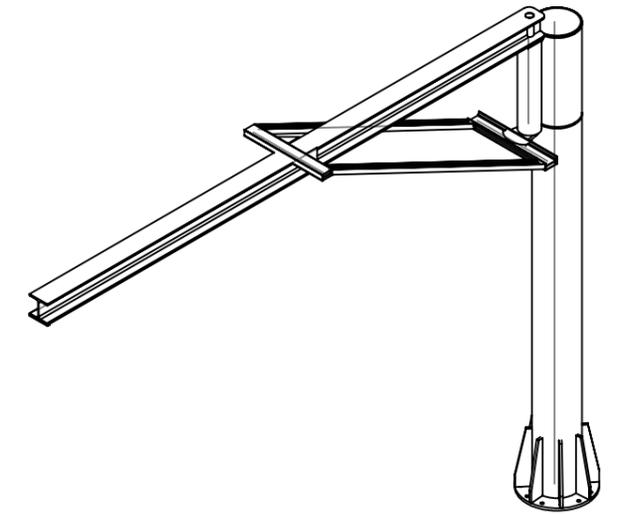
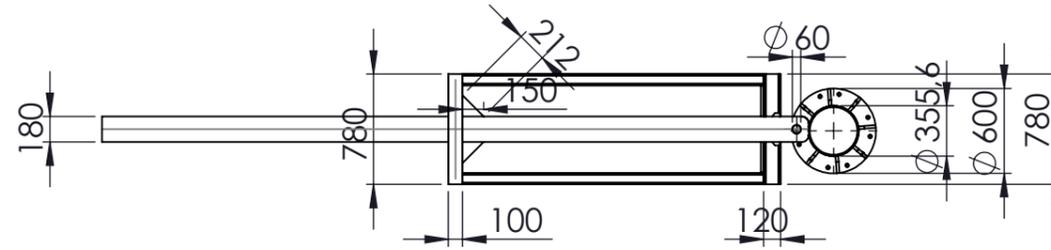


Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	20/4/15	Carlos		
	Apr.				
Euler Cardinaux	Esc	Viga principal 5Tn		Curso: 5to electromecanica	
	Toler.			Documento N°	
	Rug.			Reempl. Ninguno	



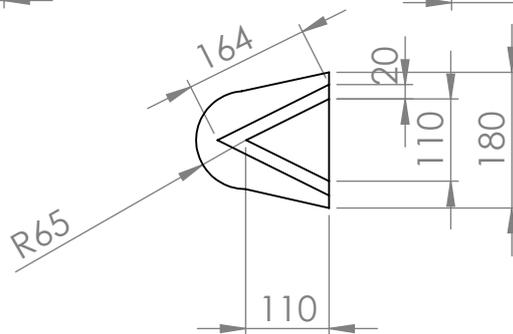
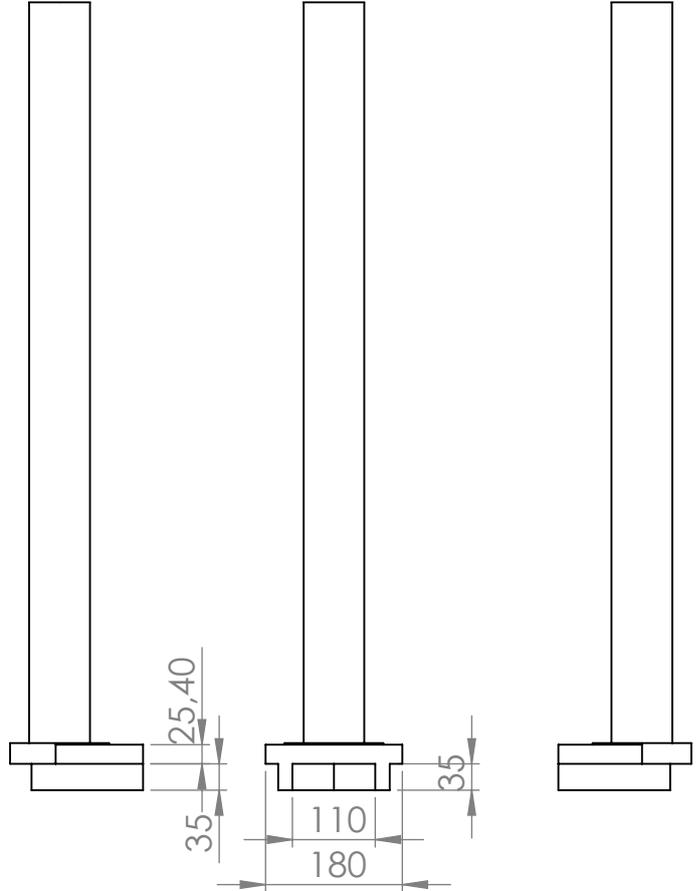
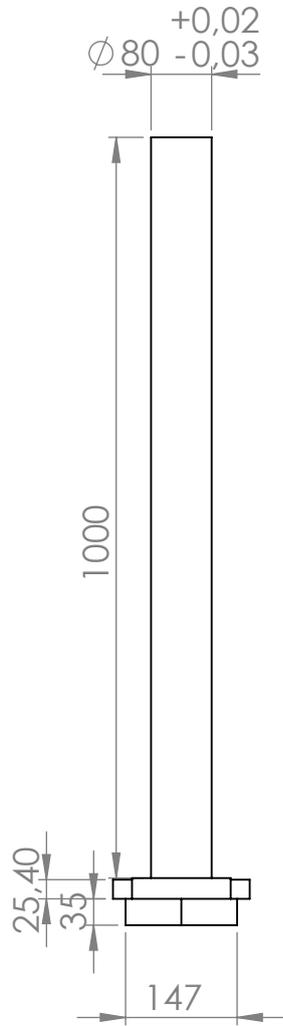
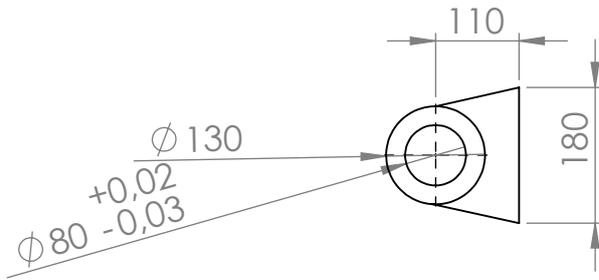
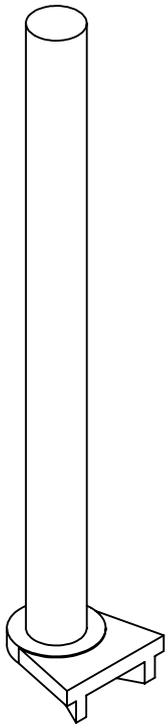
SECCIÓN A-A
ESCALA 1 : 12

Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	20-4-15	Carlos		
Cardinaux Euler	Apr.			Viga testera 5Tn	Curso: 5to electromecanica
	ESC				Documento N°
	Toler.				Reempl. Ninguno
	Rug.				

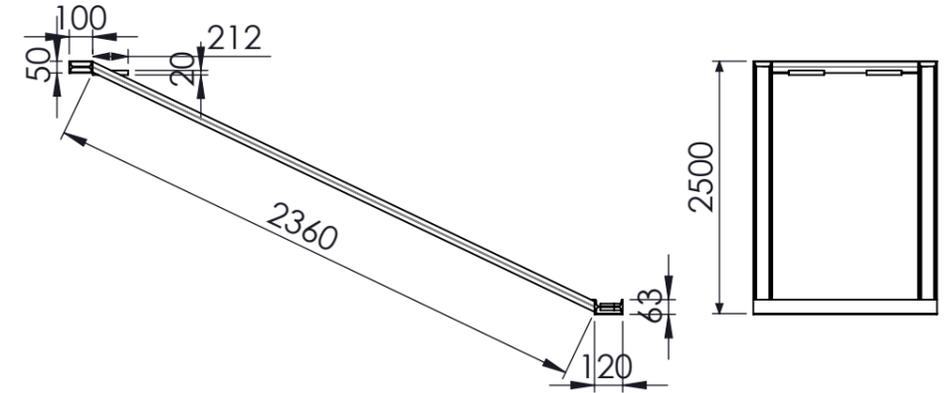
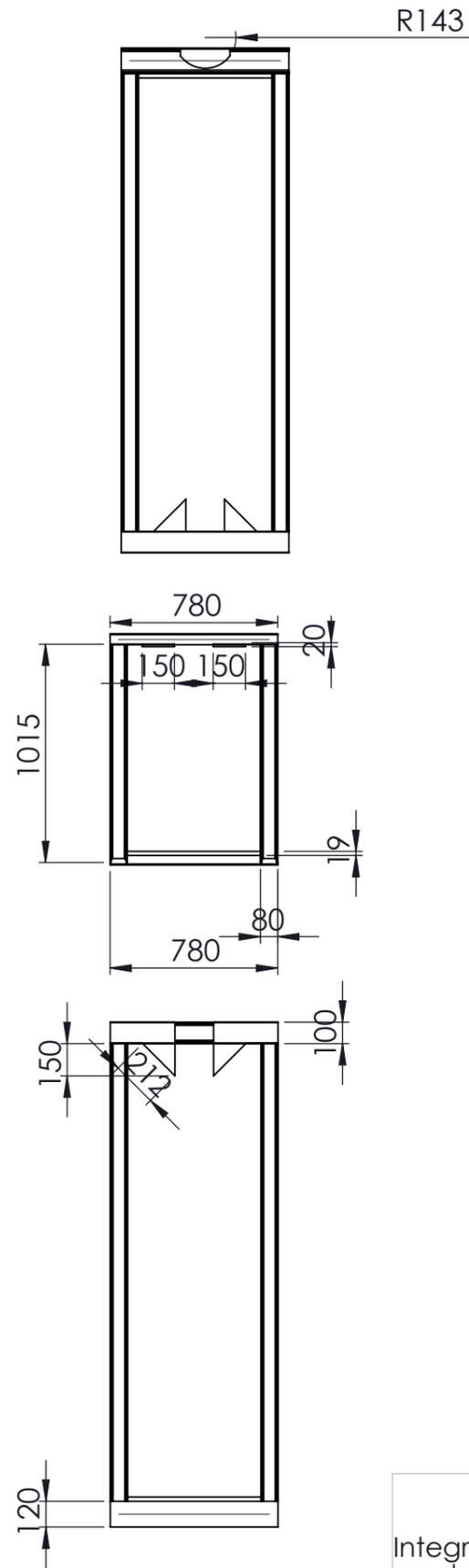
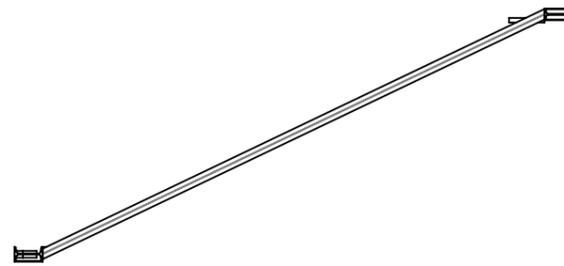
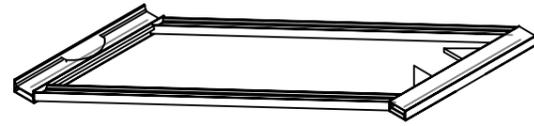


Materiales:
 Perfil IPB 180
 Perfiles IPN 80-100-120
 Planchuelas triangular 150x150x212x19mm
 Planchuela rectangular 780x100mm
 Eje masizo 80x1010mm
 Planchuelas 122x100x408x42x500x12
 Planchuela diam.600 x 25,4mm
 Tubo circular diam. 4000mm
 Planchuela 152x90x15mm

Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412	UTN-FRCU
	Rev.	10-4-15	Leonardo		
Euler Cardinaux	Apr.			Grua en voladizo 0,75Tn	Curso: 5to electromecanica
	Esc				Documento N°
	Toler. Rug.				Reempl. Ninguno

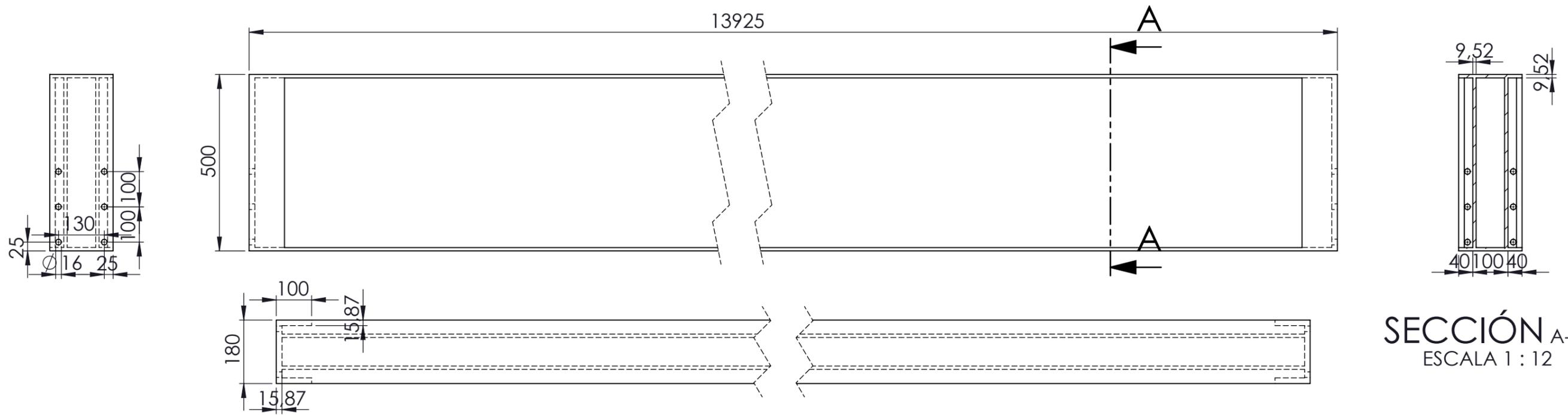


Grupo: Cardinaux Euler	Dib.	fecha	Nombre	PFC-1412A	UTN- FRCU
	Rev.	8/4/15	Leonardo		
	Aprob.				
	Esc.	Eje de bisagra			Curso: 5to electromecanica
Toler. Rug.				Documento N°	Reempl. Ninguno



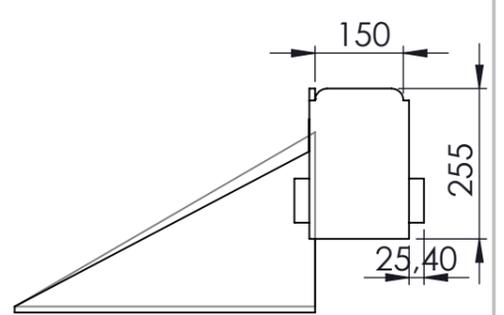
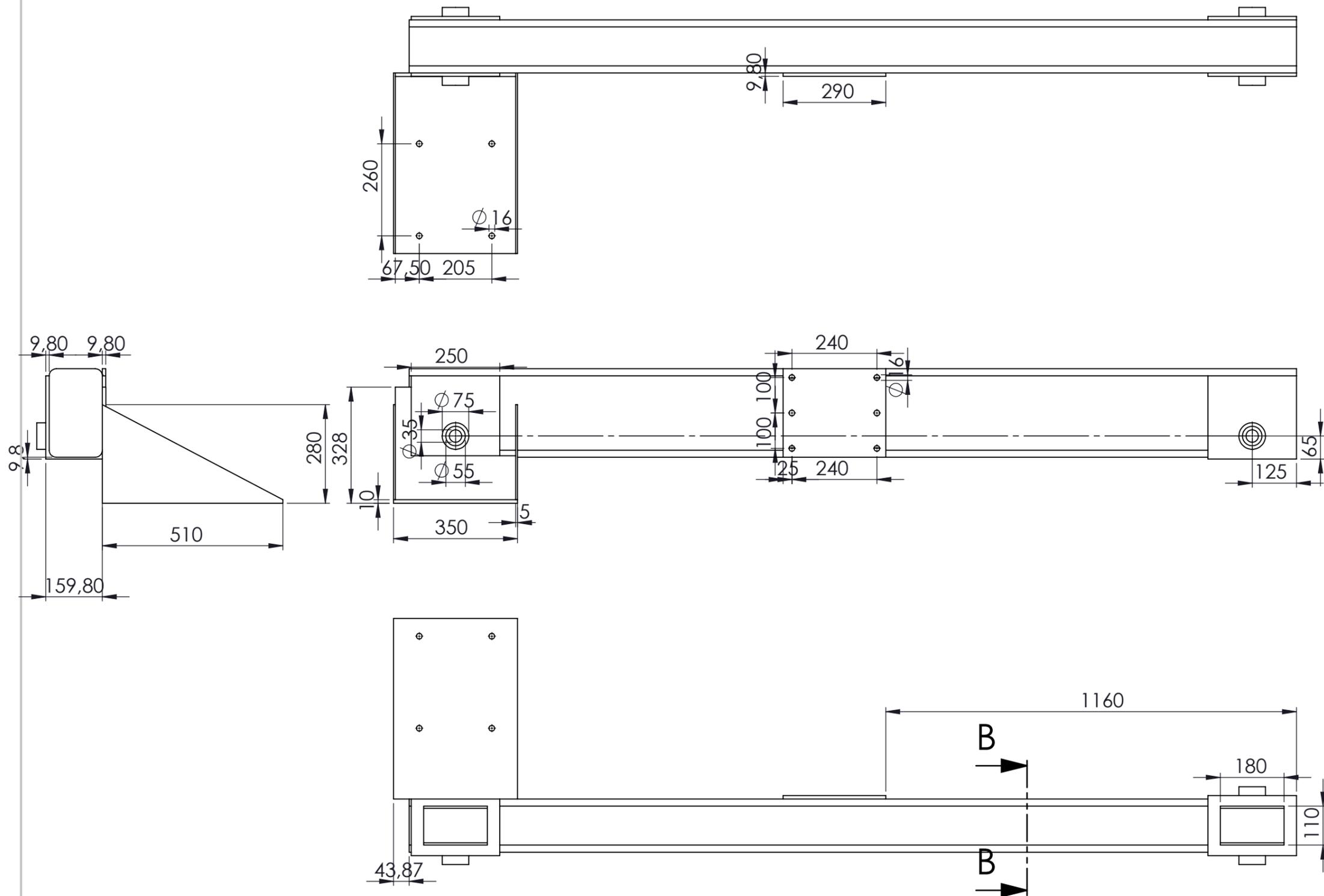
Materiales:
 Perfiles IPN 80-100-120
 Planchuela 3mm
 Planchuela 19mm
 Barrita cuadrada 19 x 19mm

Integrantes del grupo	Dib.	Rev.	Apr.	Esc	Fecha	Nombre	PFC-1412A	UTN-FRCU
Euler Cardinaux					21-4-15	Leonardo	refuerzo	Curso: 5to electromecanica
								Documento N°
								Reempl. Ninguno



SECCIÓN A-A
ESCALA 1 : 12

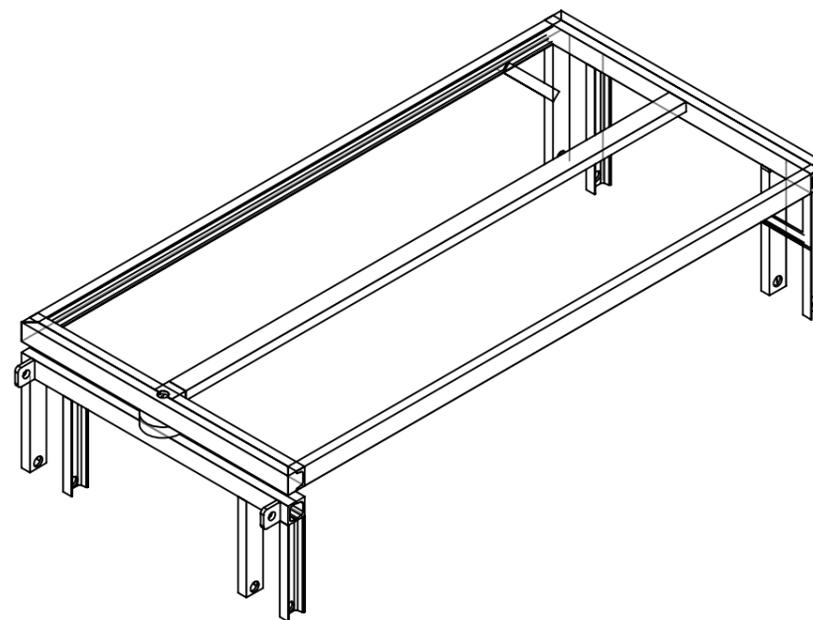
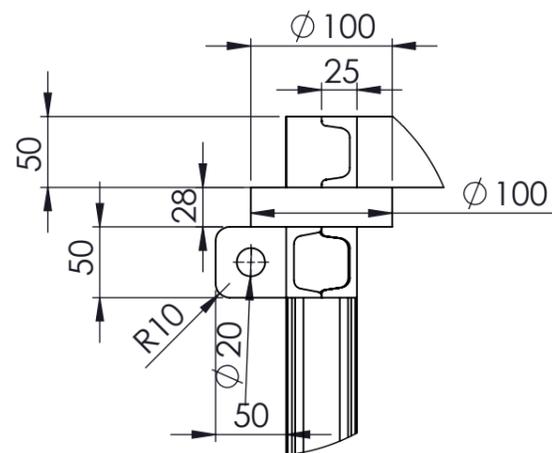
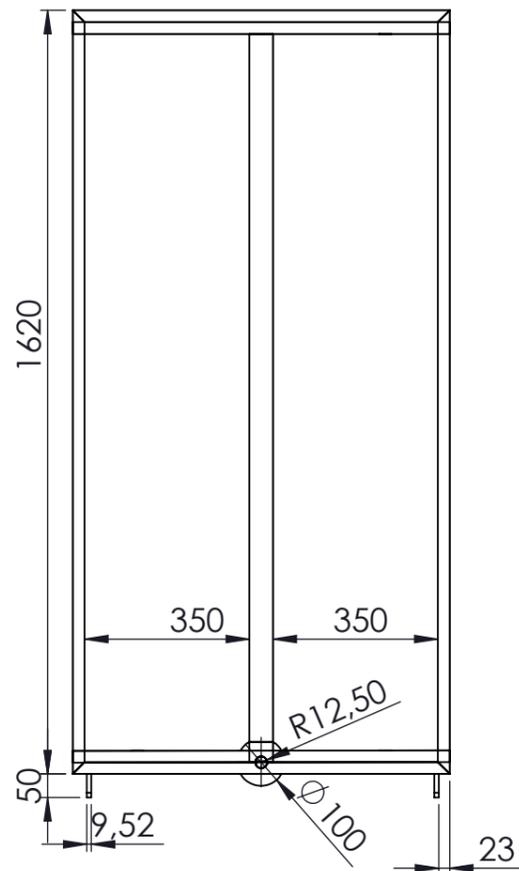
Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	20/4/15	Carlos		
	Apr.				
Euler Cardinaux	ESC	Viga principal 0,75 tn		Curso: 5to electromecanica	
	Toler. Rug.				
	Reempl. Ninguno				



SECCIÓN B-B
ESCALA 1:12

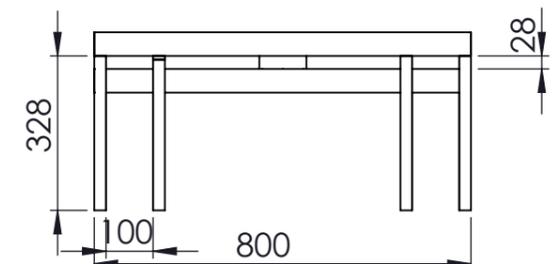
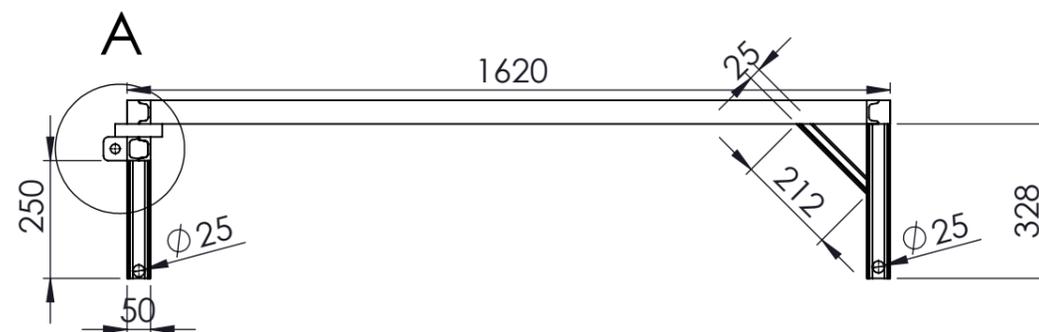
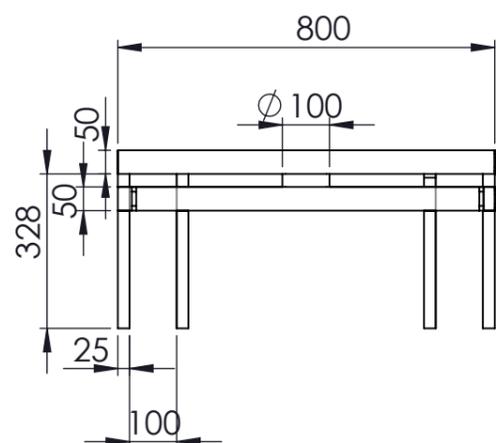


Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	20/4/15	Carlos		
Euler Cardinaux	Apr.			Viga testera	Curso: 5to electromecanica
	ESC				Documento N°
	Toler. Rug.				Reempl. Ninguno

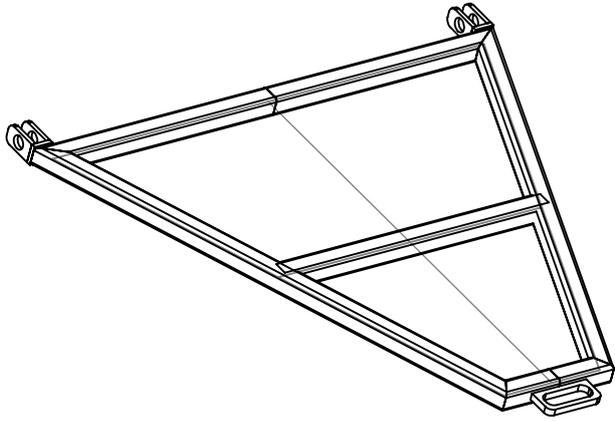


Materiales:
 Perfil UPN 50x25x5mm
 Plato de giro diametro 100mm x 28mm de espesor
 Planchuela 50x50x9,52mm
 Perfil angular alas iguales 25x4mm
 Perno 20x50mm
 Perno 20x145mm

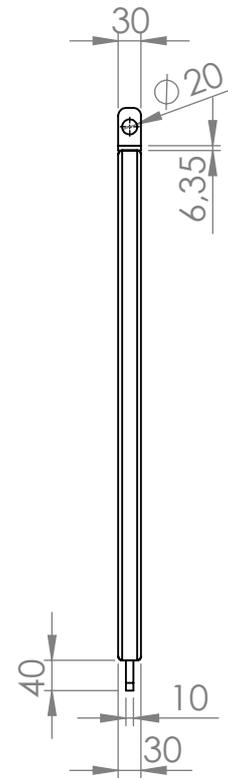
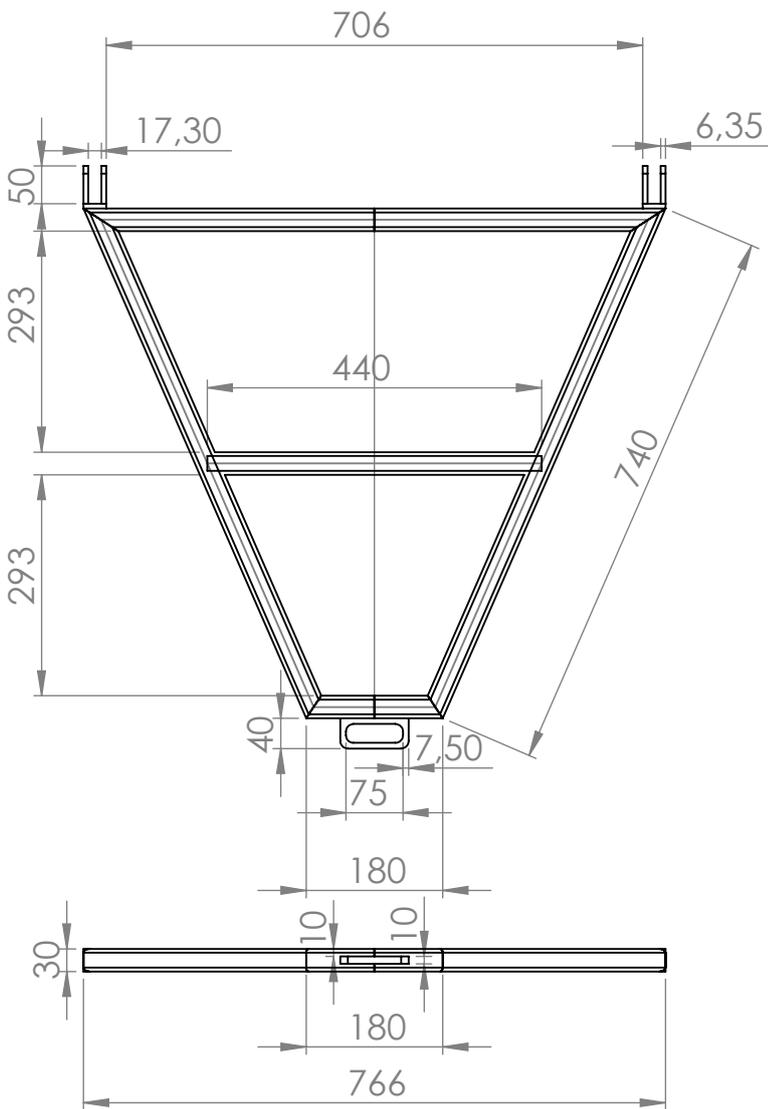
DETALLE A
 ESCALA 1 : 5



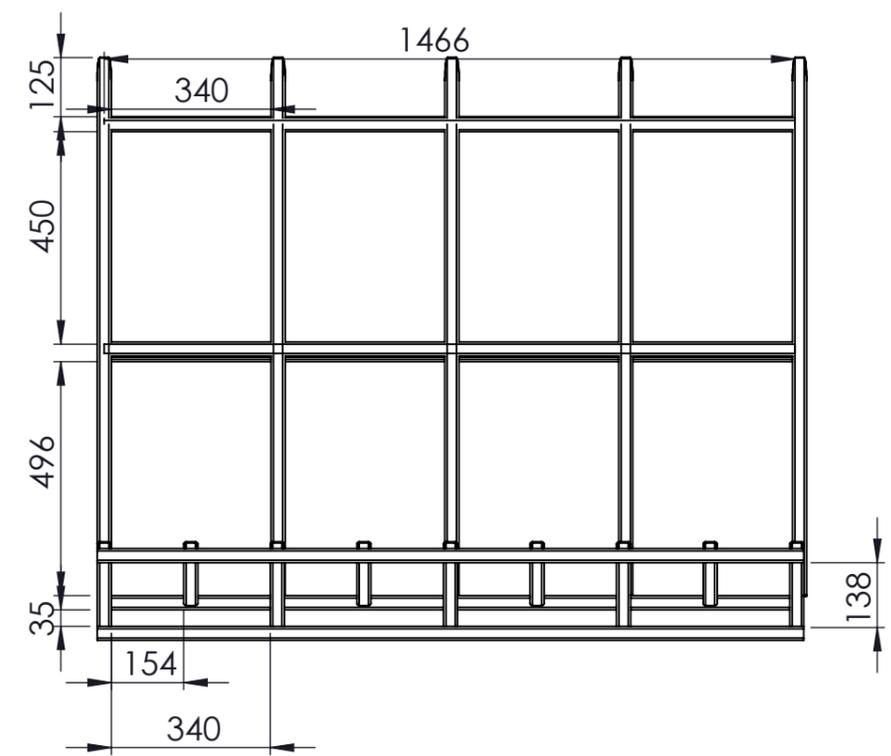
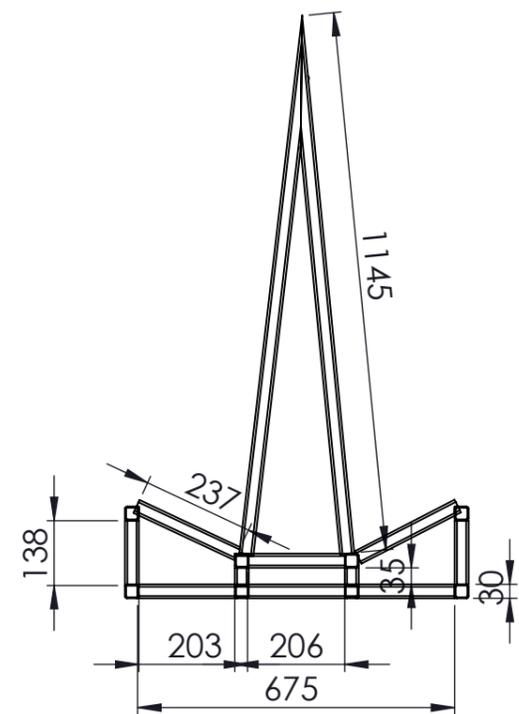
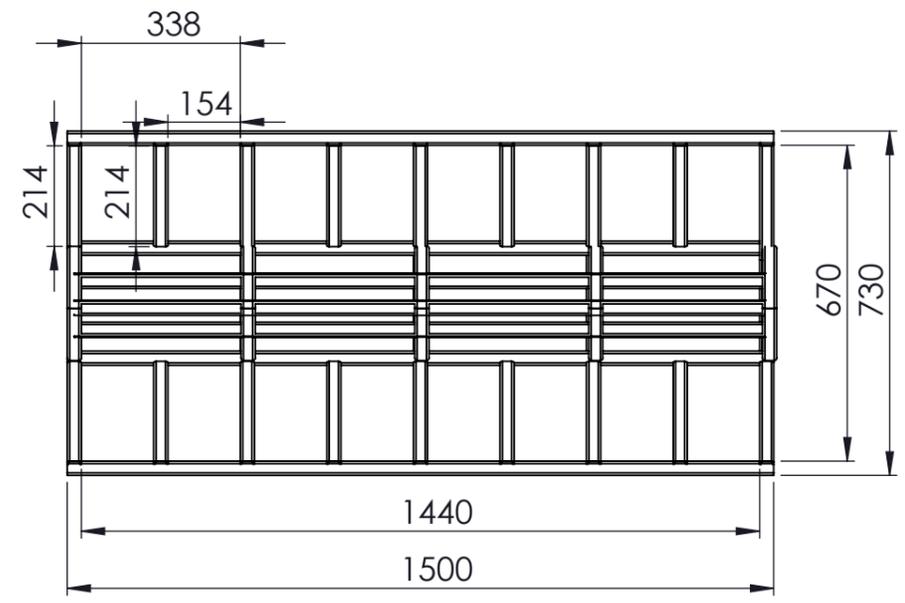
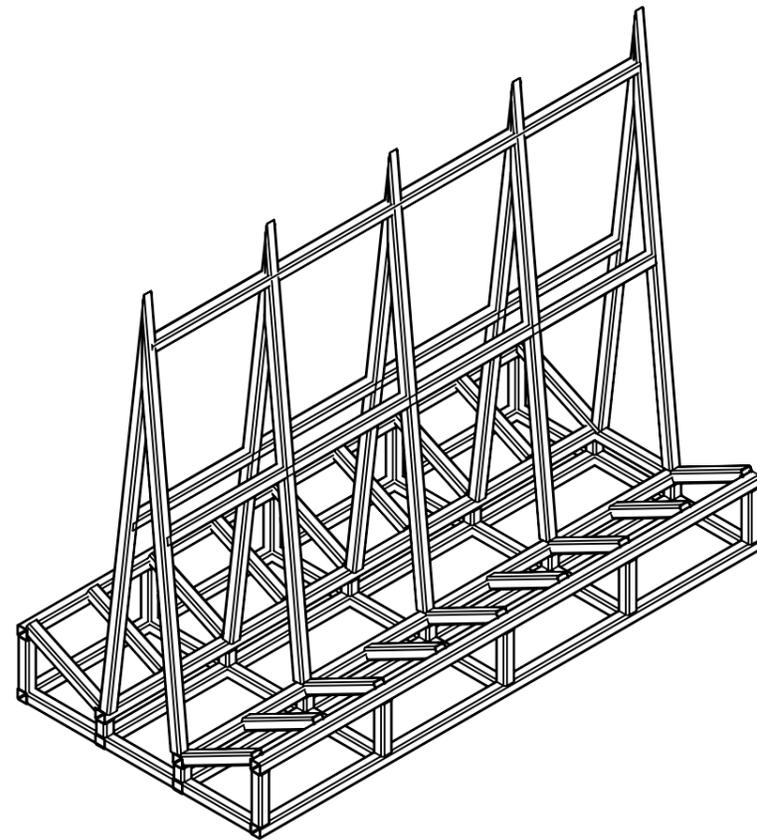
Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	6/4/15	Leonardo		
Euler Cardinaux	Apr.			chasis para chapas	Curso: 5to electromecanica
	Toler. Rug.				Documento N°
					Reempl. Ninguno



Materiales:
 Tubo Cuadrado 30x2,6mm
 Planchuela 50x50x9,52mm
 Planchuela 90x40mm

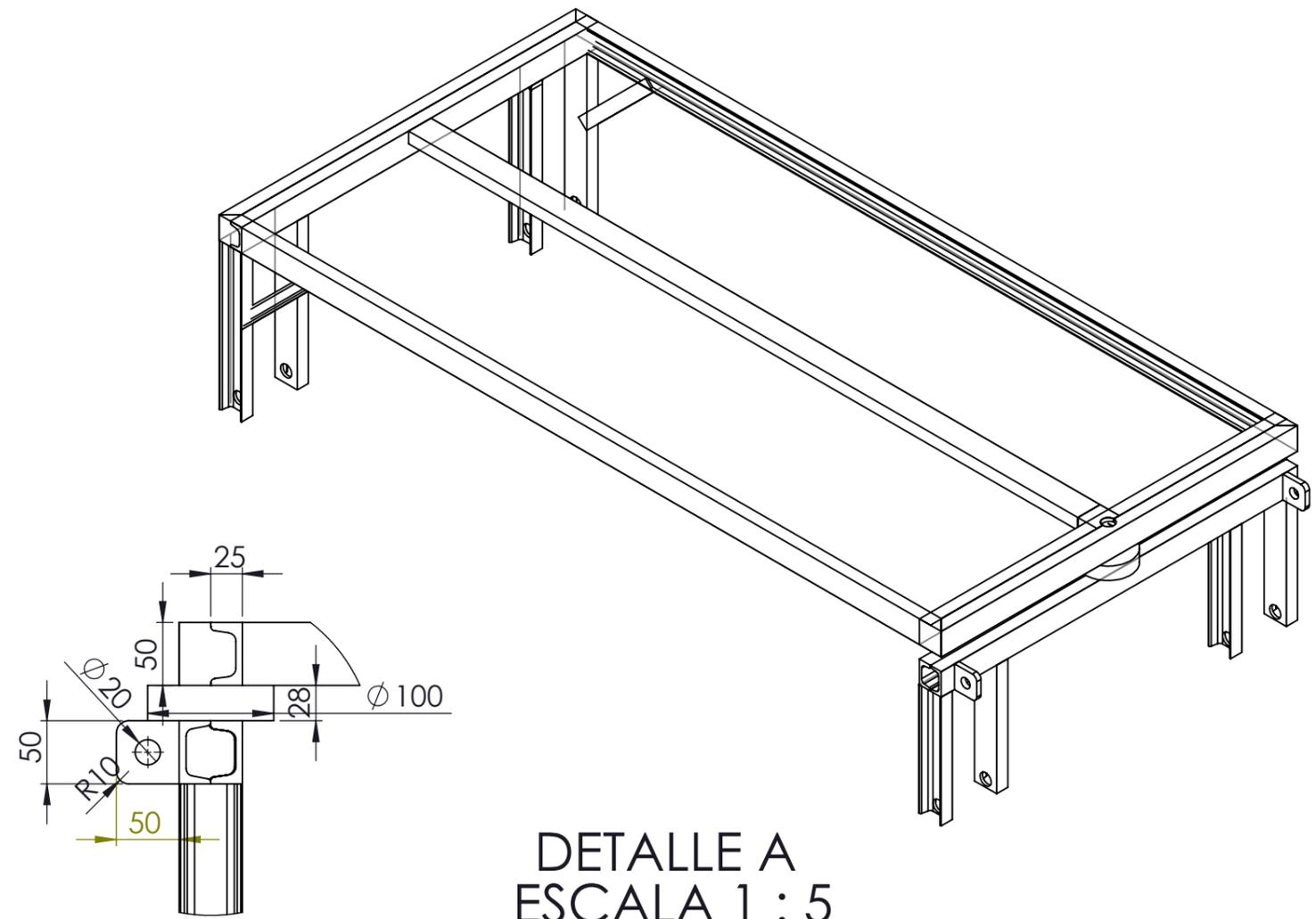
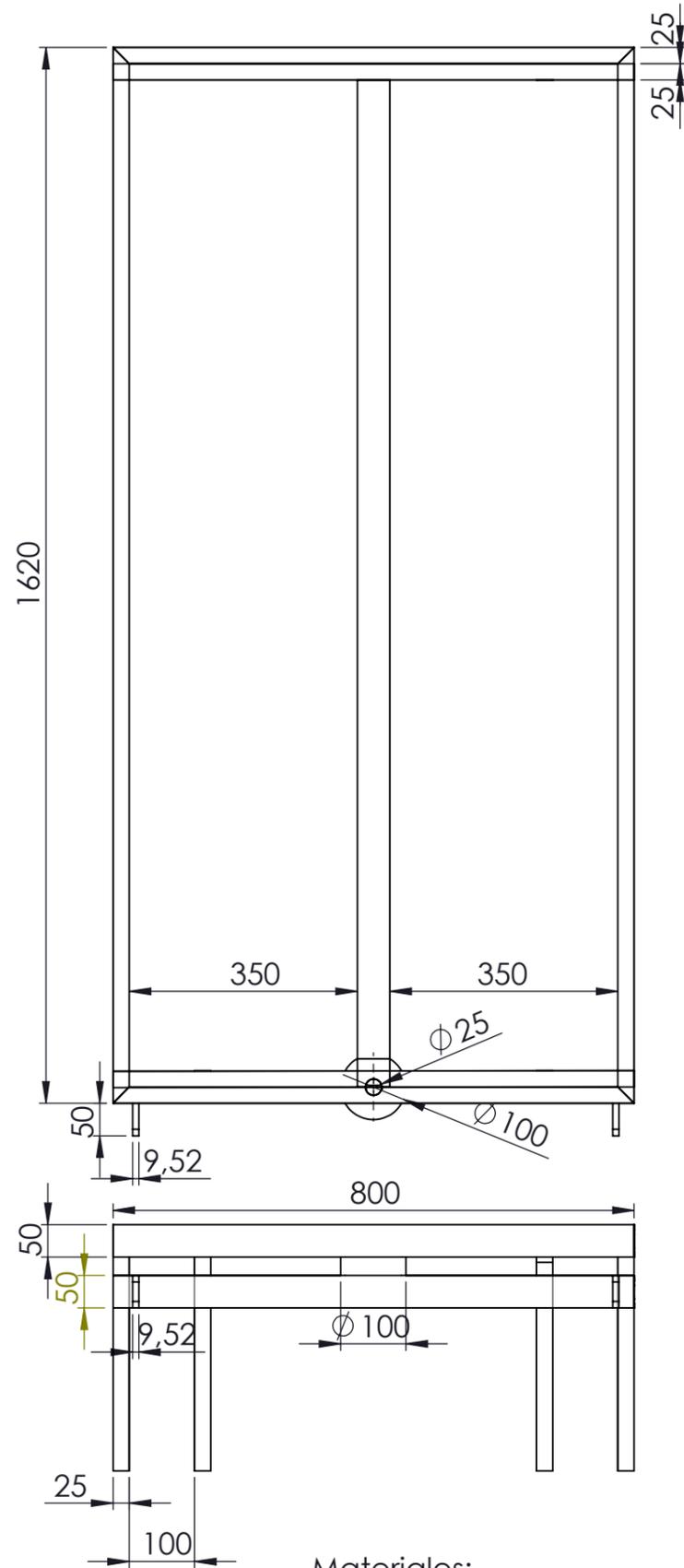


Integrantes del grupo	Dib.	fecha	Nombre	PFC-1412A	UTN- FRCU
	Rev.	8/4/15	Leonardo		
Euler Cardinaux	Aprob.			Lanza p/ chapas	Documento N°
	Esc.				Reempl. Ninguno
	Toler. Rug.				

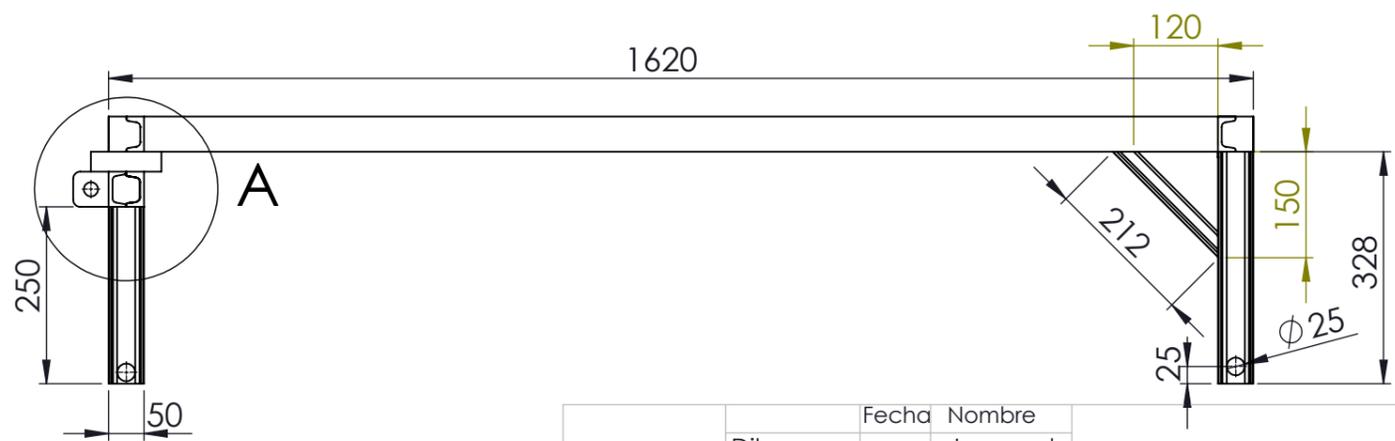


Material:
Tubo cuadrado 30x2,6mm

Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	6/4/15	Leonardo		
Euler Cardinaux	Apr.			estructura p/ chapas	Curso: 5to electromecanica
	Esc				Documento N°
	Toler. Rug.				Reempl. Ninguno

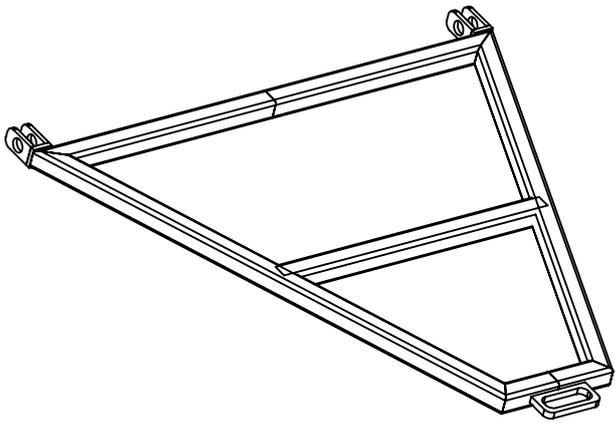


DETALLE A
ESCALA 1 : 5

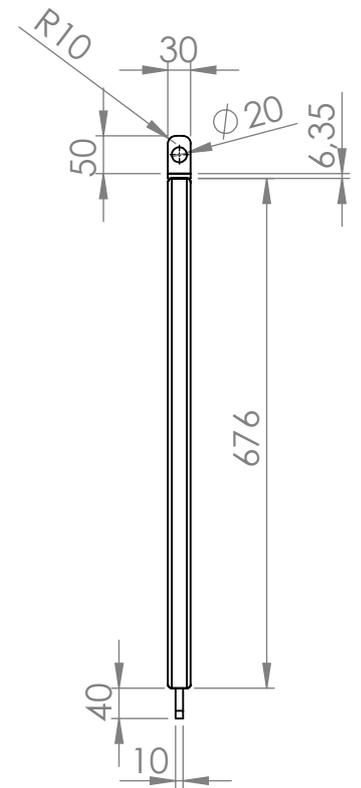
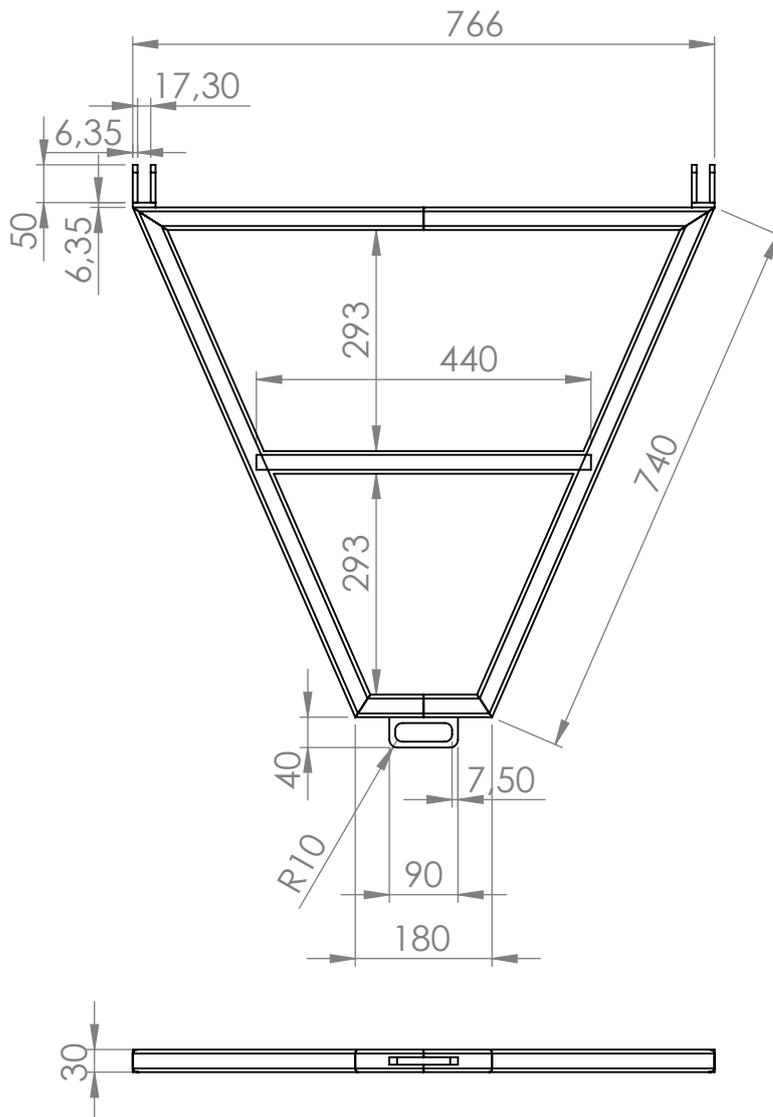


Materiales:
 Perfil UPN 50x25x5mm
 Plato de giro diametro 100mm x 28mm de espesor
 Planchuela 50x50x9,52mm
 Perfil angular alas iguales 25x4mm
 Perno 20x50mm
 Perno 20x145mm

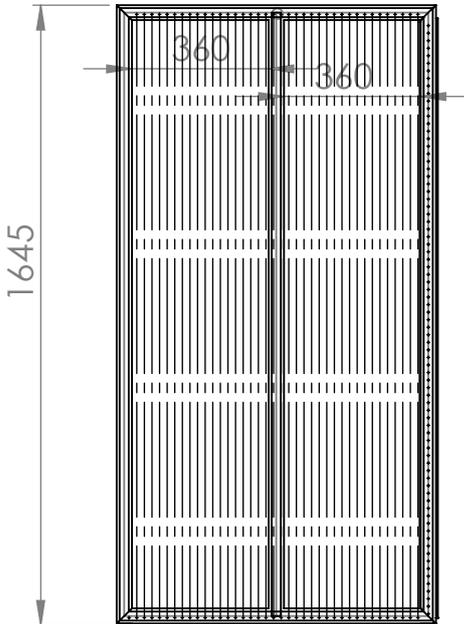
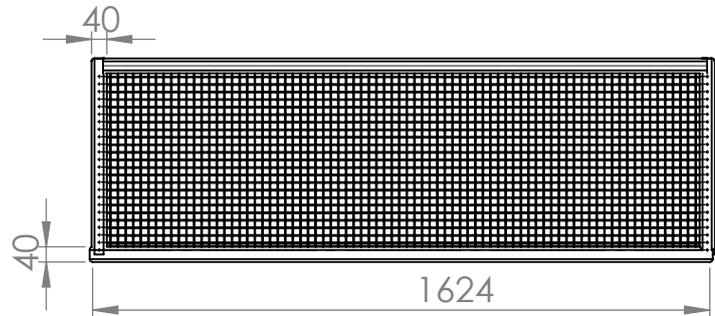
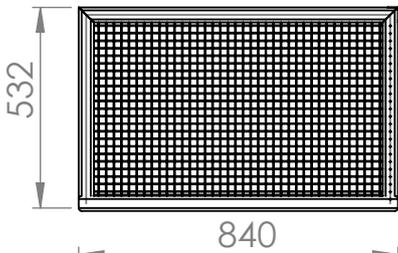
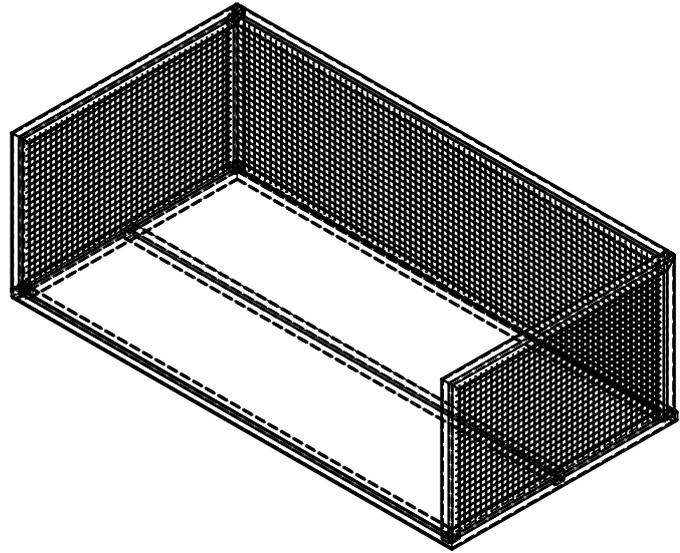
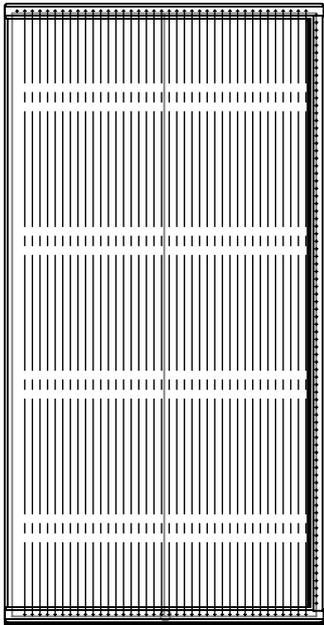
Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	6/4/15	Leonardo		
Euler Cardinaux	Apr.			chasis plegados	Curso: 5to electromecanica
	Toler. Rug.				Documento N° Reempl. Ninguno



Materiales:
 Tubo Cuadrado 30x2,6mm
 Planchuela 50x50x9,52mm
 Planchuela 90x40mm

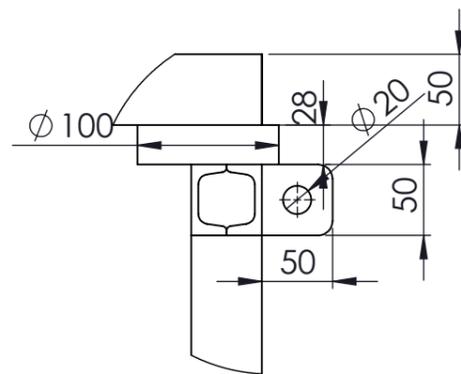
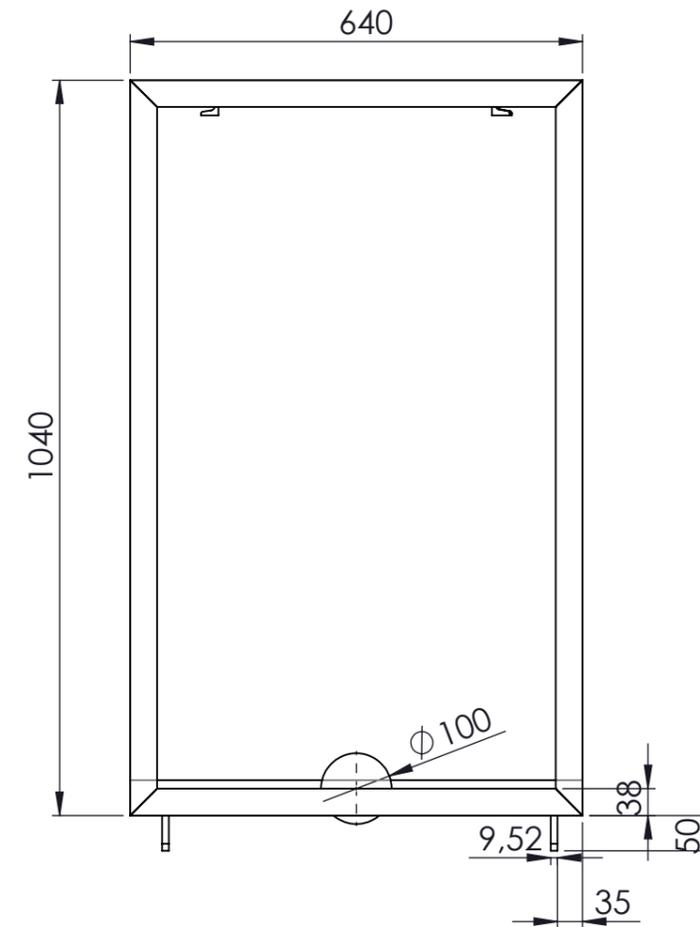
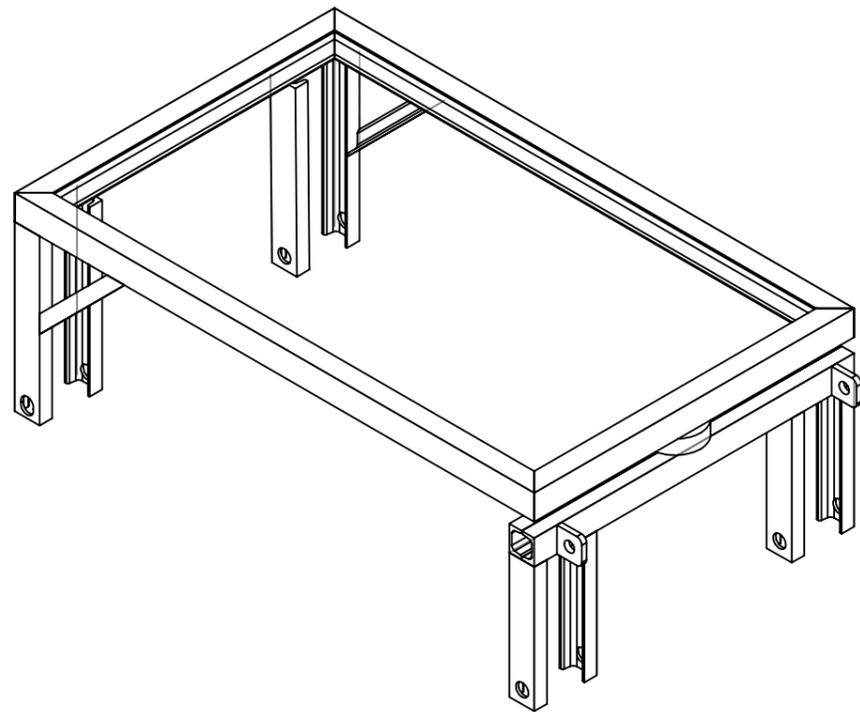


Integrantes del grupo	Dib.	fecha	Nombre	PFC-1412A	UTN- FRCU
	Rev.	8/4/15	Leonardo		
Euler Cardinaux	Aprob.			Lanza p/ plegados	Curso: 5to electromecanica
	Esc.				Documento N°
	Toler. Rug.				Reempl. Ninguno

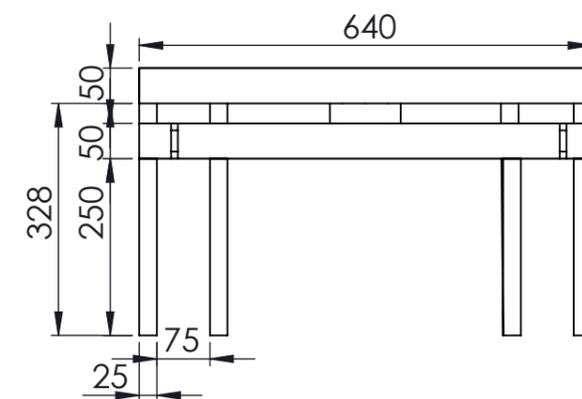
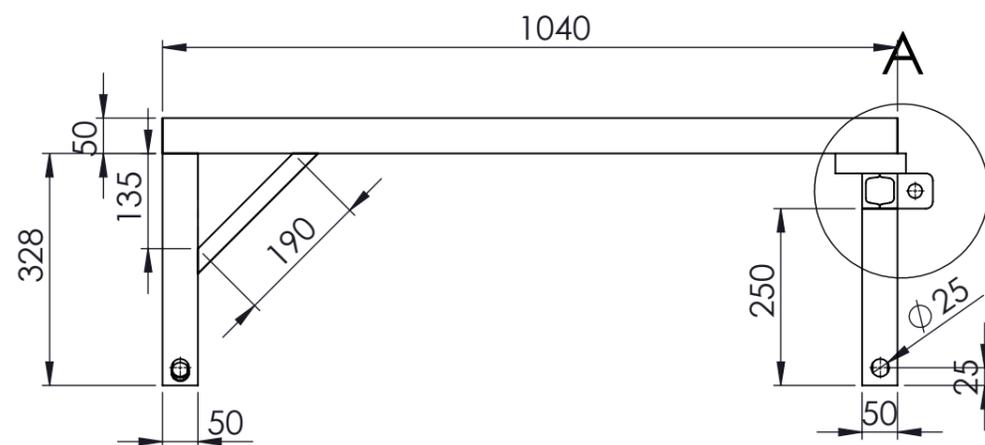


Materiales:
 Tubo cuadrado 40x4mm
 Chapa 1645 x 840x3mm
 Tejido de malla 2 x 2 cm

Integrantes del grupo	Dib.	fecha	Nombre	PFC-1412A	UTN- FRCU
	Rev.	8/4/15	Leonardo		
Euler Cardinaux	Aprob.			caja p/plegado	Curso: 5to electromecanica
	Esc.				Documento N°
	Toler. Rug.				Reempl. Ninguno

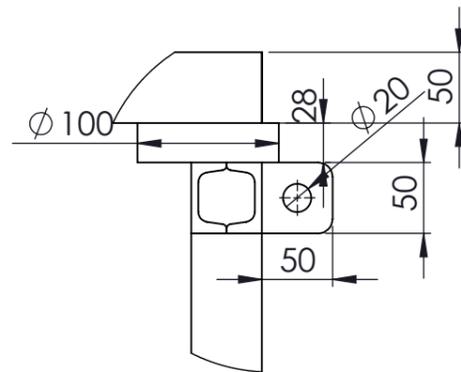
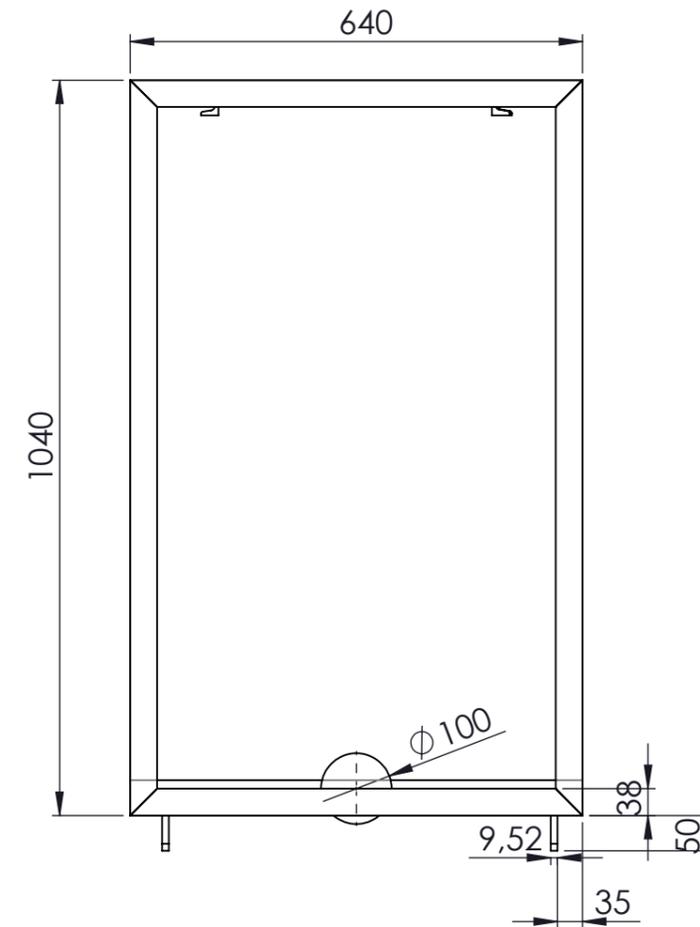
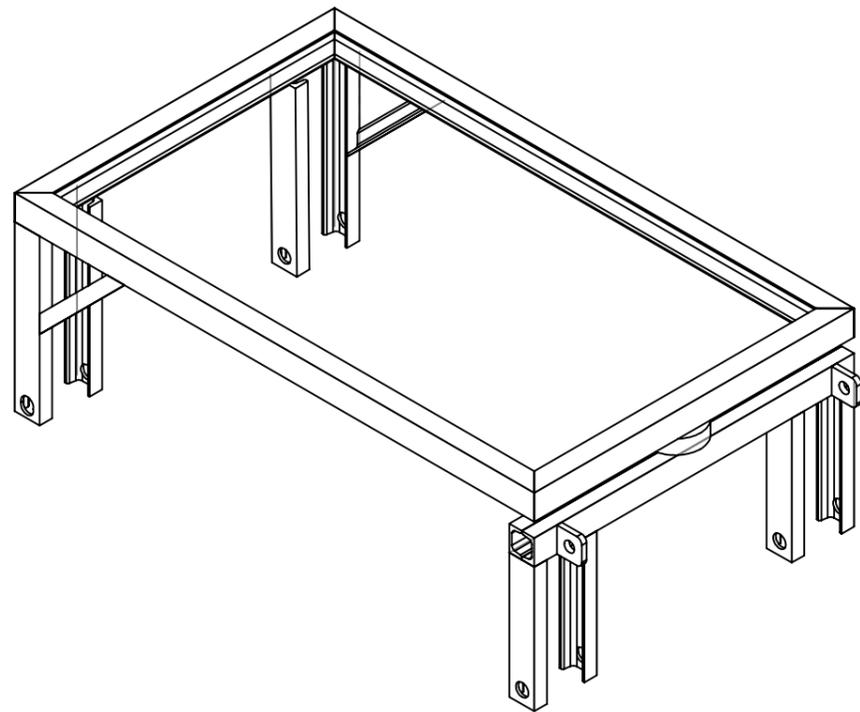


DETALLE A
ESCALA 1 : 5

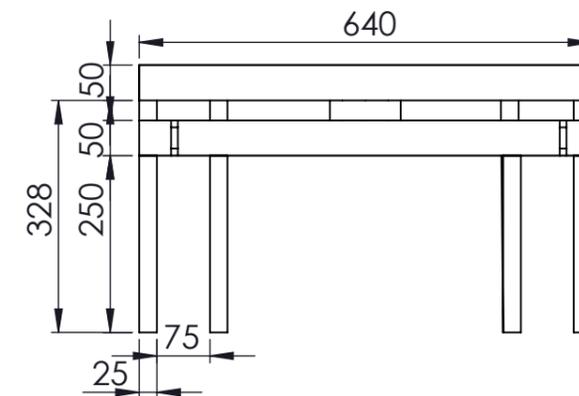
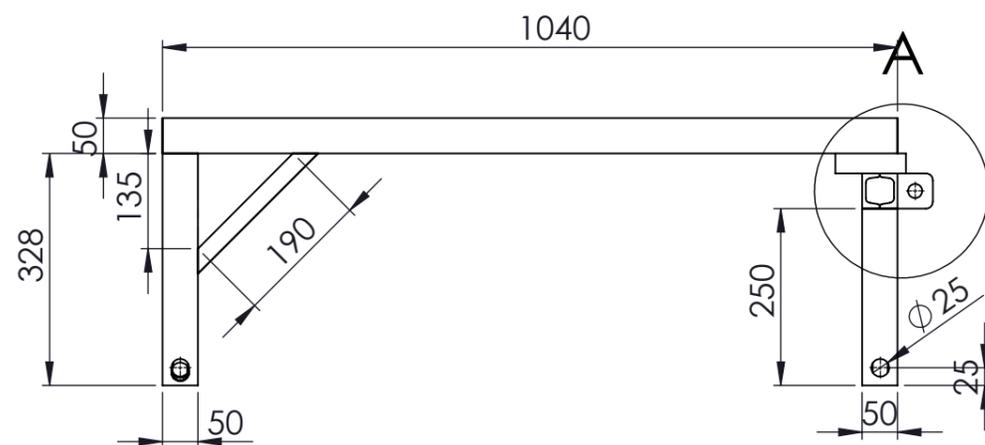


Materiales:
 Perfil UPN 50x25x5mm
 Plato de giro diametro 100mm x 28mm de espesor
 Planchuela 50x50x9,52mm
 Perfil angular alas iguales 25x4mm
 Perno 20x50mm
 Perno 20x145mm

Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	6/4/15	Leonardo		
Euler Cardinaux	Apr.			chasis perfiles	Curso: 5to electromecanica
	Esc				Documento N°
	Toler. Rug.				Reempl. Ninguno

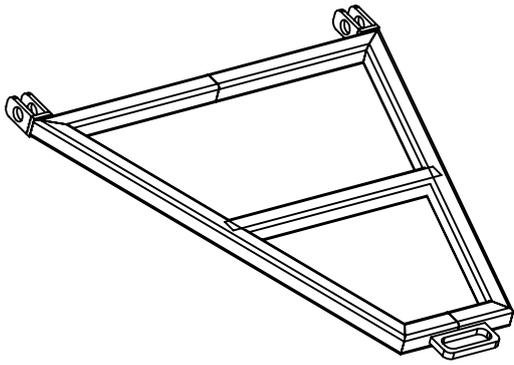


DETALLE A
ESCALA 1 : 5

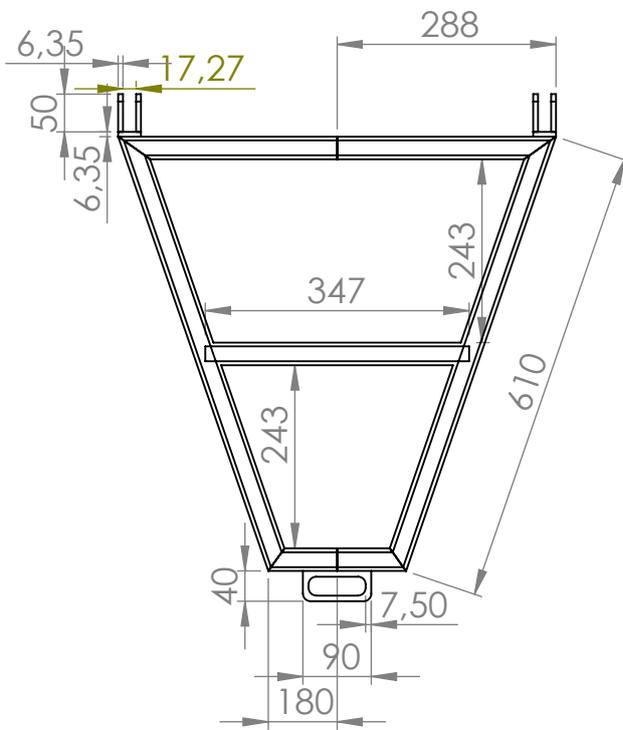


Materiales:
 Perfil UPN 50x25x5mm
 Plato de giro diametro 100mm x 28mm de espesor
 Planchuela 50x50x9,52mm
 Perfil angular alas iguales 25x4mm
 Perno 20x50mm
 Perno 20x145mm

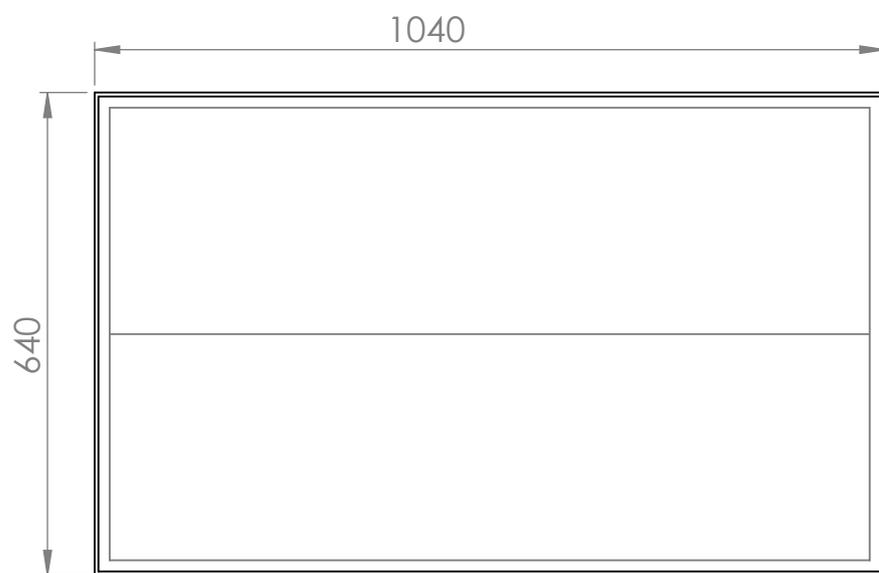
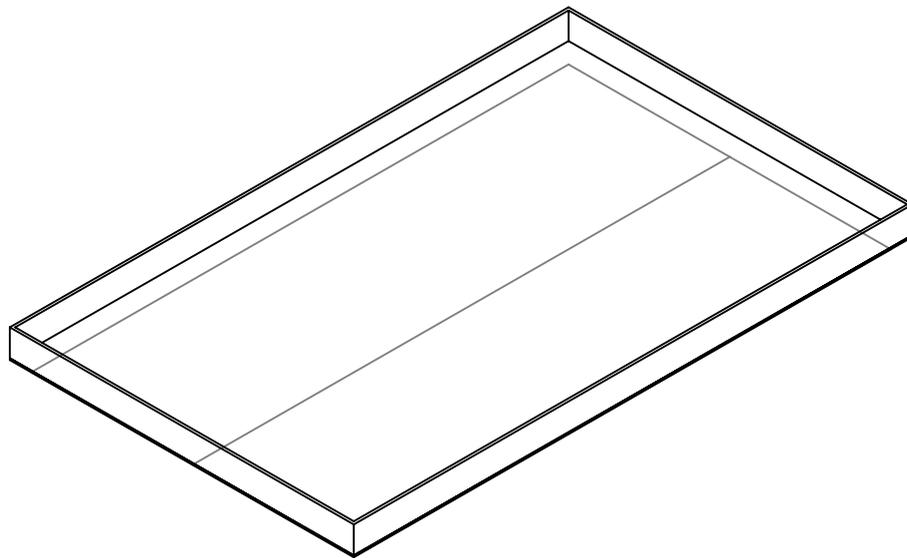
Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	6/4/15	Leonardo		
	Apr.				
Euler Cardinaux	ESC	chasis perfiles		Curso: 5to electromecanica	
	Toler. Rug.			Documento N°	
				Reempl. Ninguno	



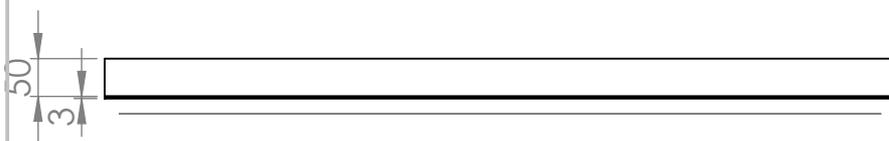
Materiales:
 Tubo cuadrado 30x2,6mm
 Planchuela 90x40mm



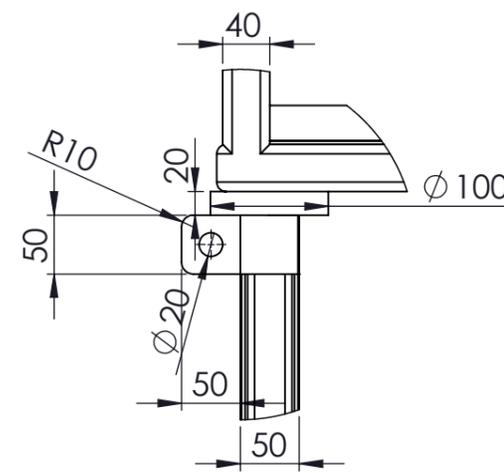
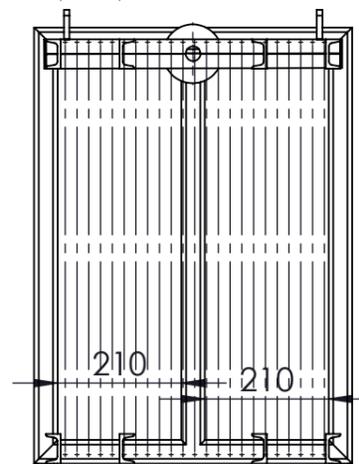
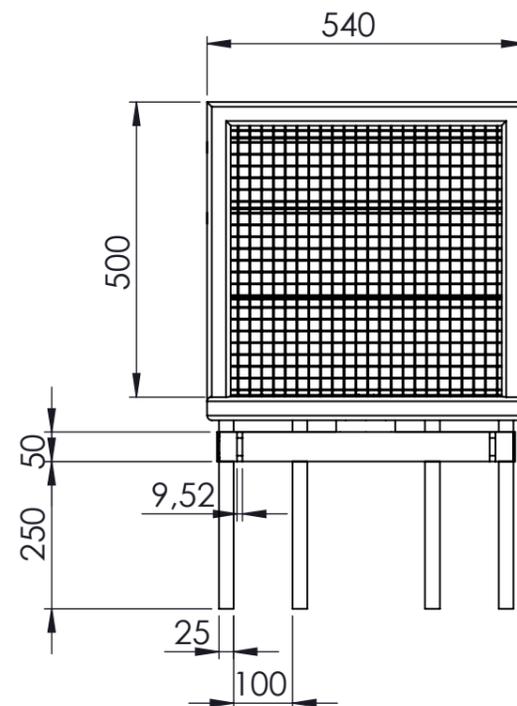
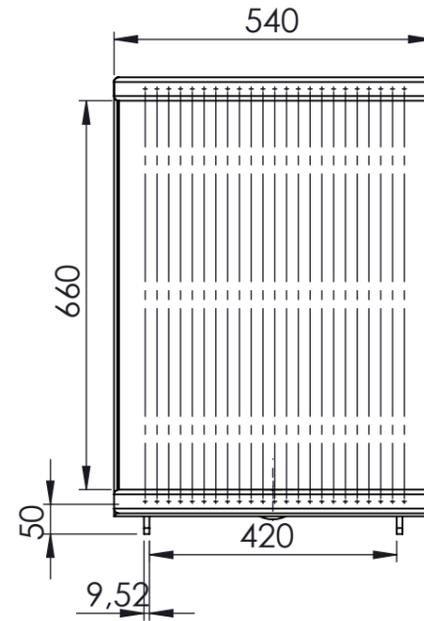
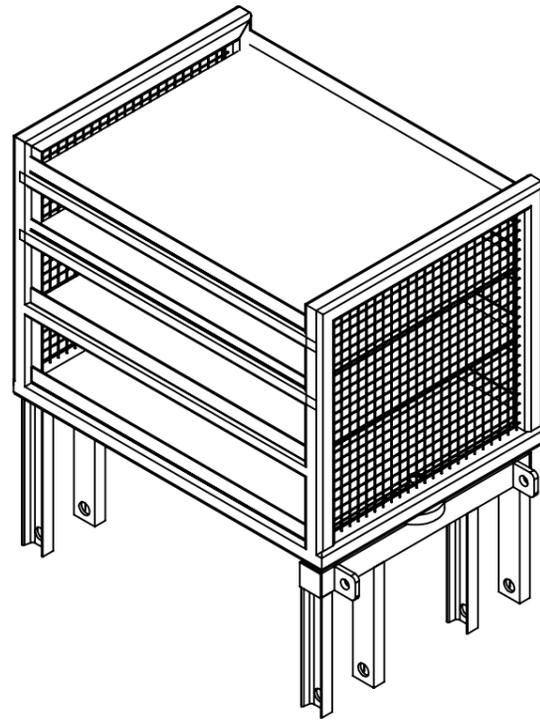
Integrantes del grupo	Dib.	fecha	Nombre	PFC-1412A	UTN- FRCU
	Rev.	8/4/15	Leonardo		
Euler Cardinaux	Aprob.			lanza p/perfiles	Curso: 5to electromecanica
	Esc.				Documento N°
	Toler. Rug.				Reempl. Ninguno



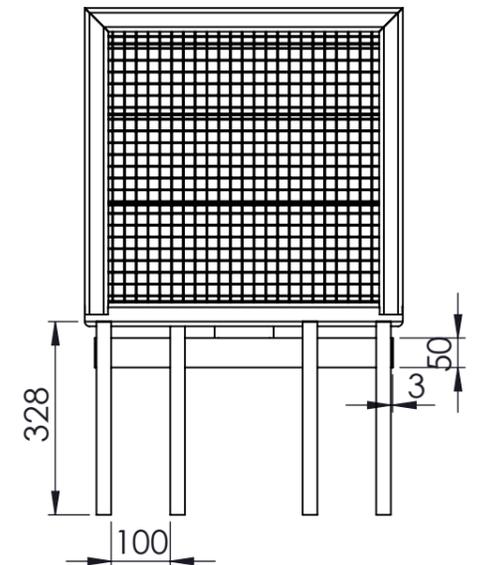
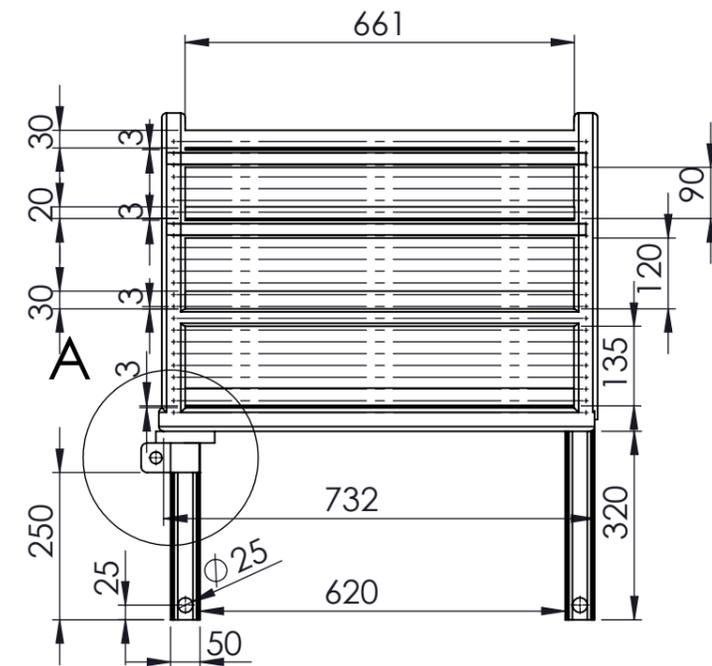
Material
Chapa 1040x640x50x3mm



Integrantes del grupo	Dib.	fecha	Nombre	PFC-1412A	UTN- FRCU
	Rev.	8/4/15	Leonardo		
Euler Cardinaux	Aprob.	caja p/perfiles			Curso: 5to electromecanica
	Esc.				Documento N°
	Toler. Rug.				Reempl. Ninguno

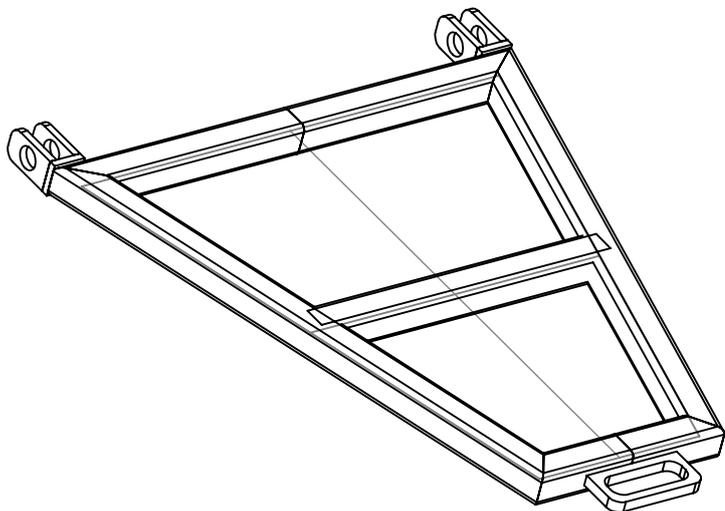


DETALLE A
ESCALA 1 : 6

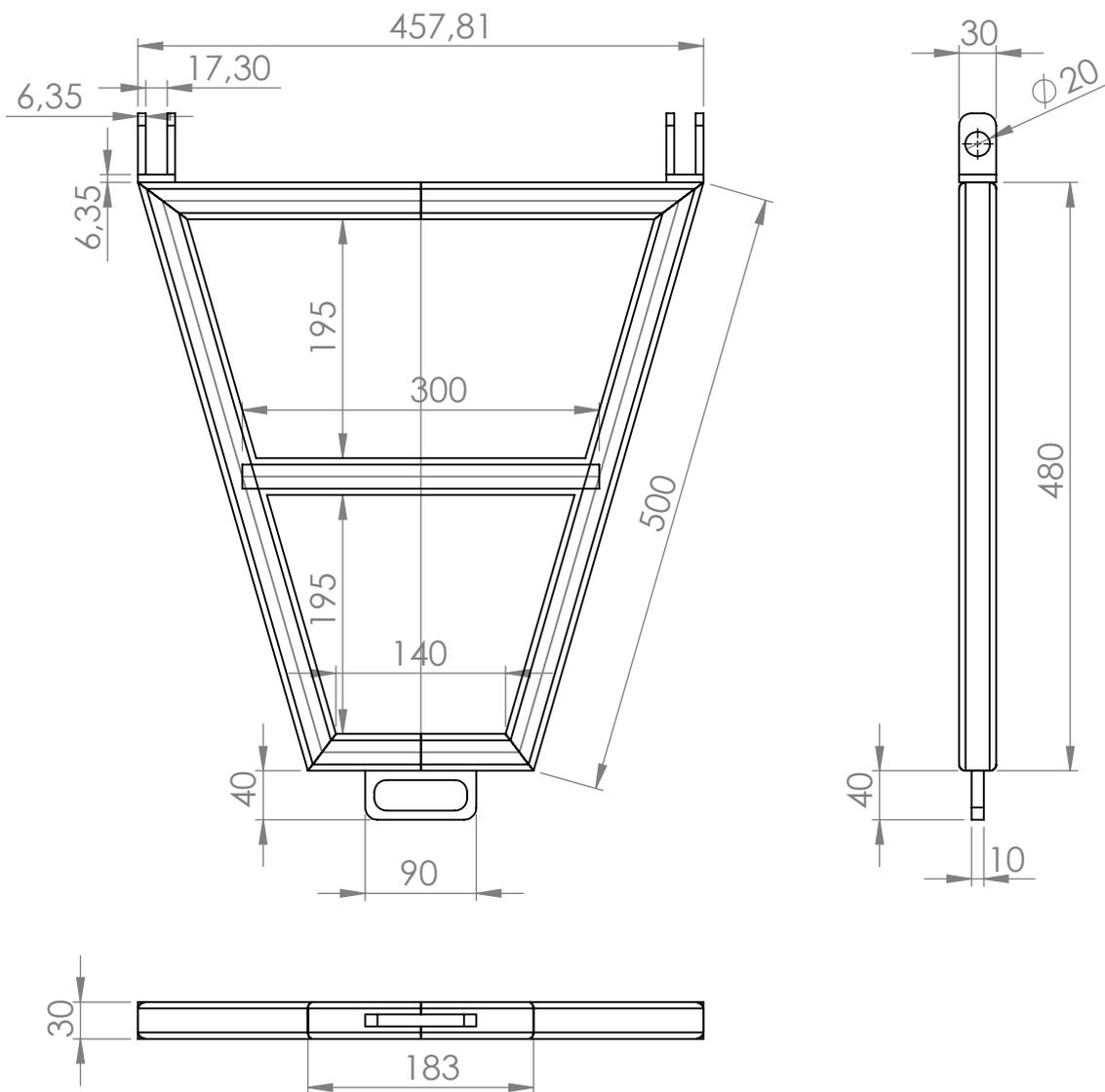


Materiales:
 Tubo cuadrado 30x2,6mm
 Perfil UPN 50x25x5mm
 Plato de giro diametro 100mm x 28mm de espesor
 Planchuela 90x40mm
 Perno diam. 20x50mm
 Perno diam.20x145mm
 Tejido de malla 2x2cm

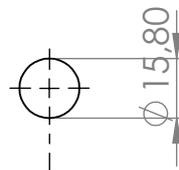
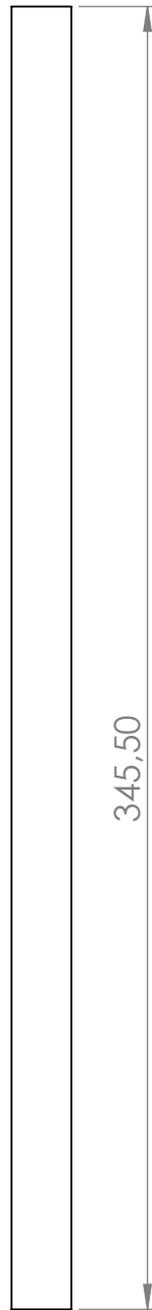
Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	6/4/15	Leonardo		
Euler Cardinaux	Apr.			Carro pañolero	Curso: 5to electromecanica
	ESC				Documento N°
	Toler. Rug.				Reempl. Ninguno



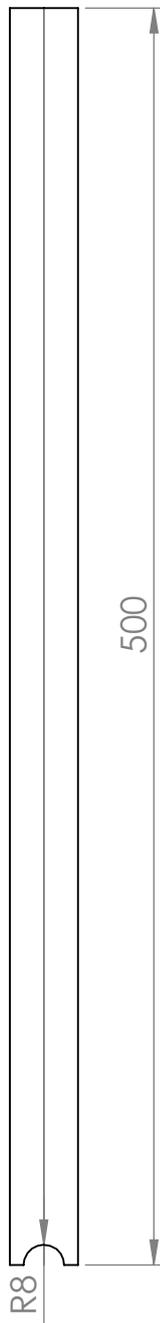
Materiales:
 Tubo Cuadrado 30x2,6mm
 Planchuela 50x50x9,52mm
 Planchuela 90x40mm



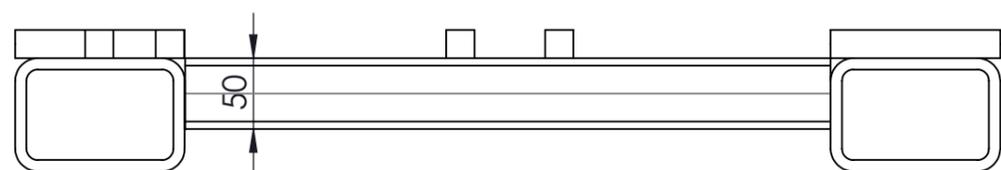
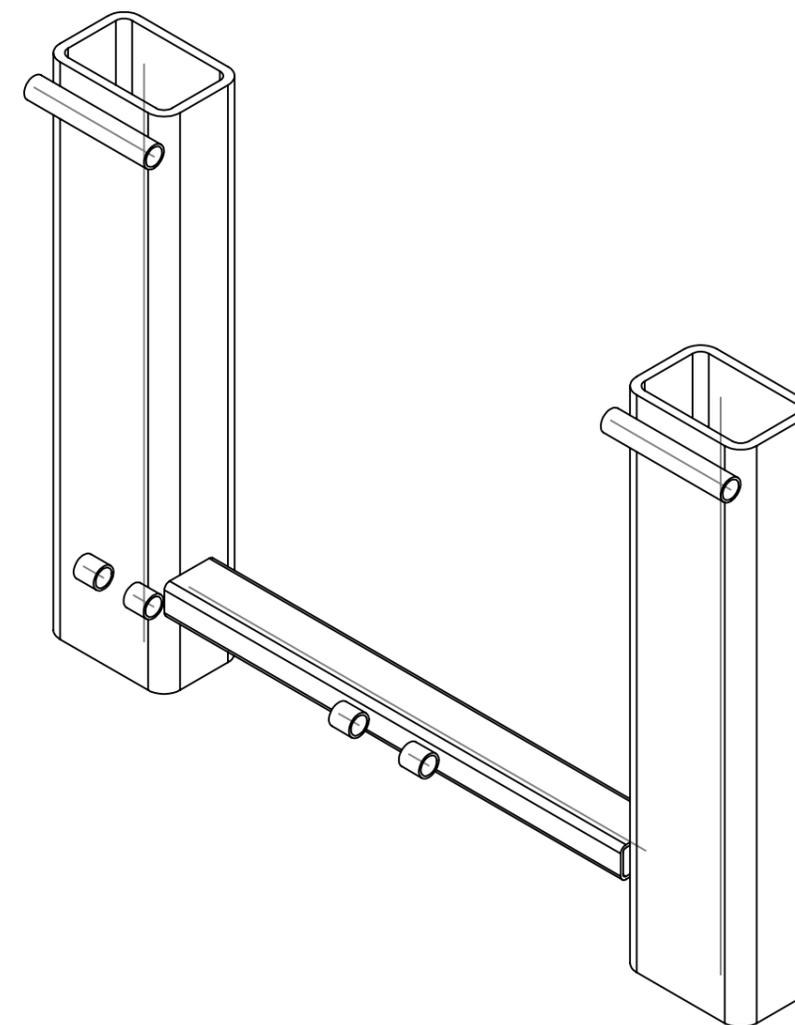
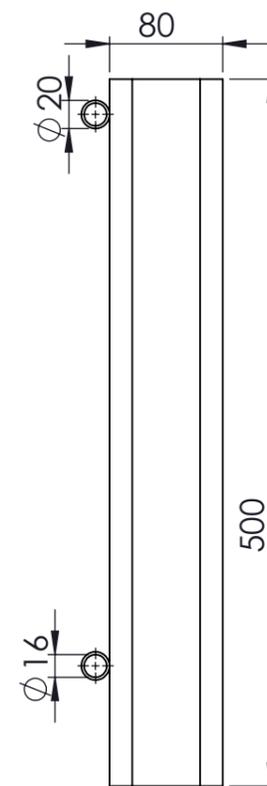
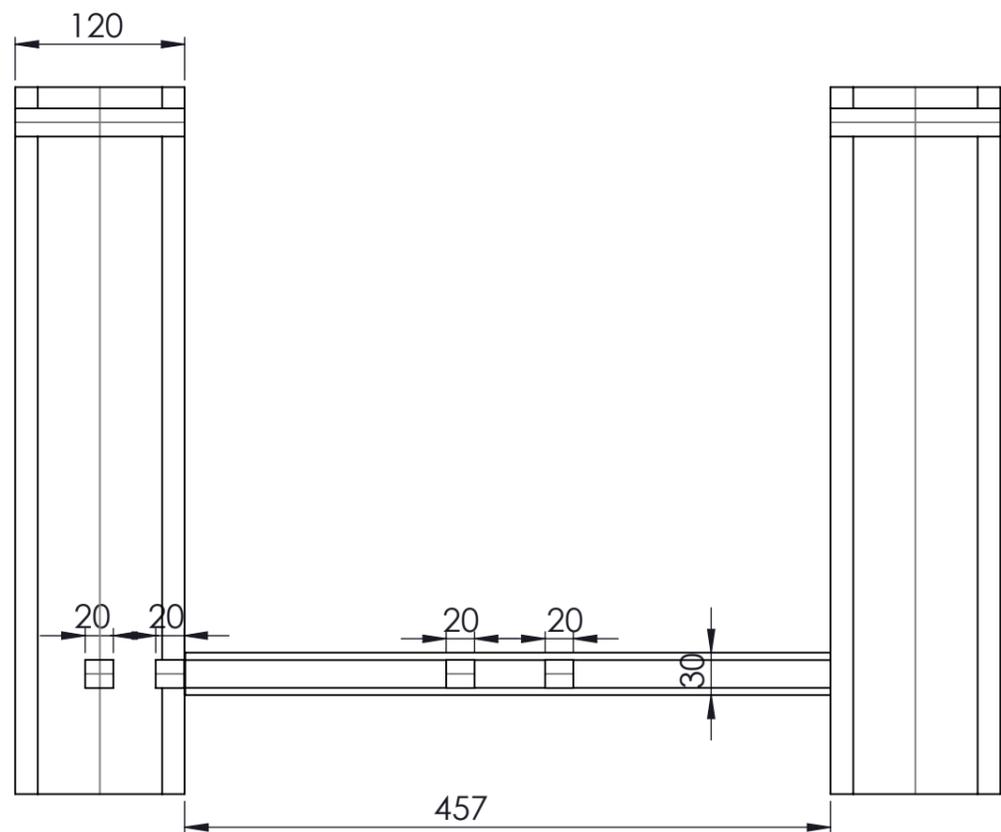
Integrantes del grupo	Dib.	fecha	Nombre	PFC-1412A	UTN- FRCU
	Rev.	8/4/15	Leonardo		
Euler Cardinaux	Aprob.			Lanza p/ pañolero	Curso: 5to electromecanica
	Esc.				Documento N°
	Toler. Rug.				Reempl. Ninguno



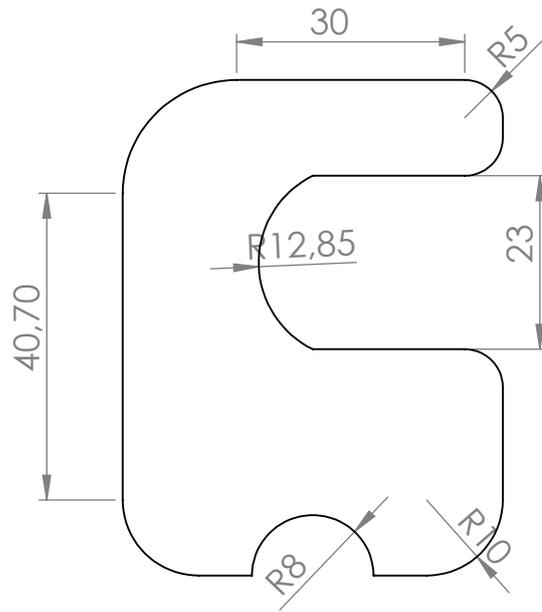
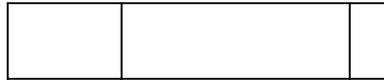
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	Rev.	7/4/15	Carlos		
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	Toler.				Documento N°
	Rug.				Reempl. Ninguno



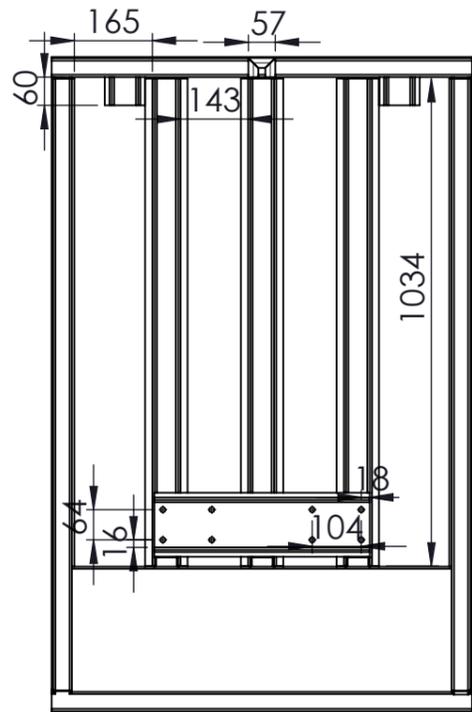
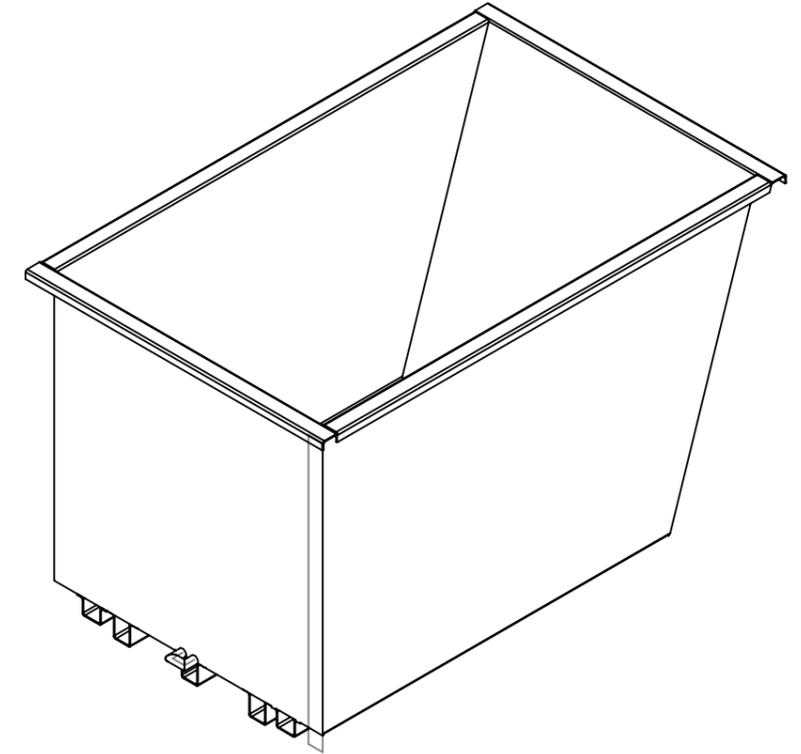
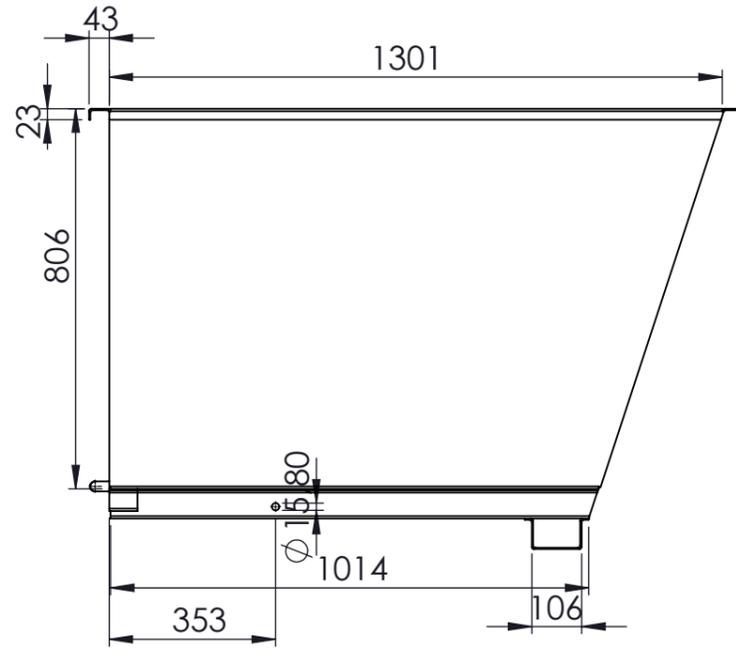
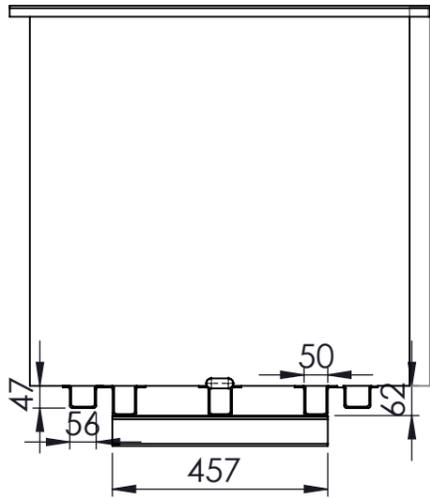
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	Rev.	6/4/15	Carlos		
	Aprob.				
Euler Cardinaux	Esc.	Manija			curso: 5to electromecanica
	Toler.				Documento N°
	Rug.				Reempl. Ninguno



Integrantes del grupo	Dib.	Fecha	Nombre	PFC-1412A	UTN-FRCU
	Rev.	6/4/15	Carlos		
	Apr.				
Euler Cardinaux	ESC	Mecanismo de vuelco		Curso: 5to electromecanica	
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	Rug.			Reempl. Ninguno	

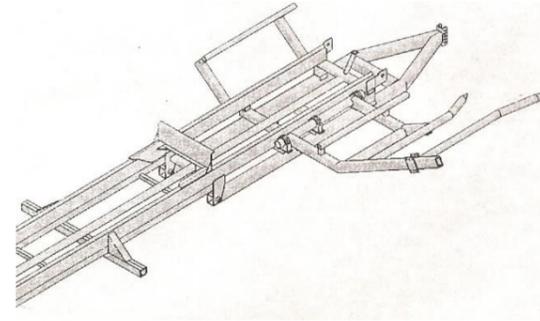


Integrantes del grupo	Dib.	fecha	Nombre	PFC-1412A	UTN- FRCU
	Rev.	6/4/15	Carlos		
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	Rug.				Reempl. Ninguno



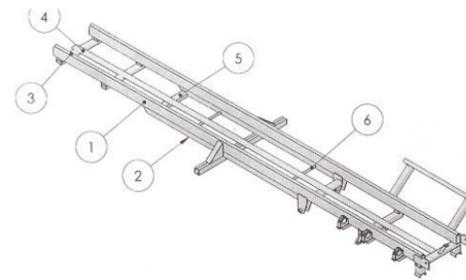
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	Rev.	6/4/15	Carlos		
Euler Cardinaux	Apr.			Tolva volquete	Curso: 5to electromecanica
	ESC				Documento N°
	Toler.				Reempl. Ninguno
	Rug.				

Nivel 0

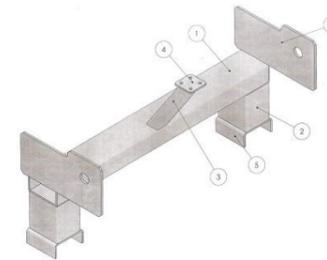


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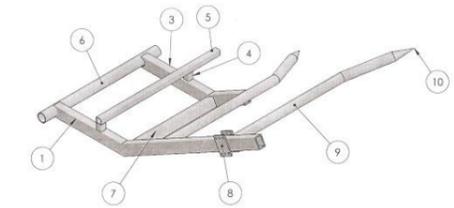
Nivel 1



TR-CH-00-00-000

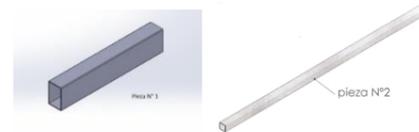


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TR-EL-00-00-003

Nivel 2



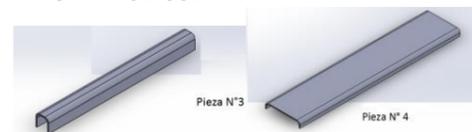
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TR-PE-PE-01-002



TR-EL-PE-01-003



TR-CH-PL-03-001
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TR-PE-PE-02-002



TR-EL-PA-02-003 TR-EL-PE-03-003
TR-EL-PE-04-003



TR-CH-PE-05-001
TR-CH-PE-06-001



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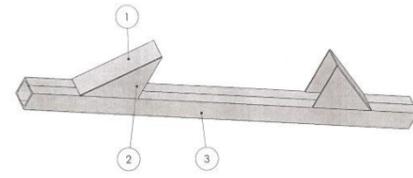


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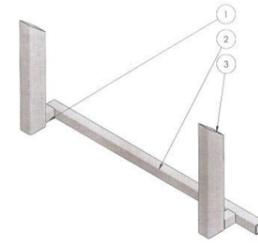


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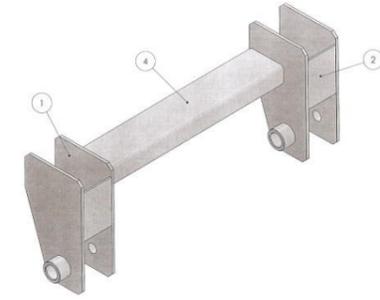
Nivel 1



TR-EJ-00-00-004



TR-PF-00-00-005



TR-PI-00-00-006

Nivel 2



TR-EJ-PE-01-004



TR-PF-PE-01-005



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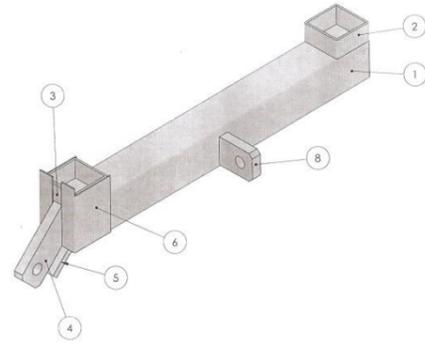


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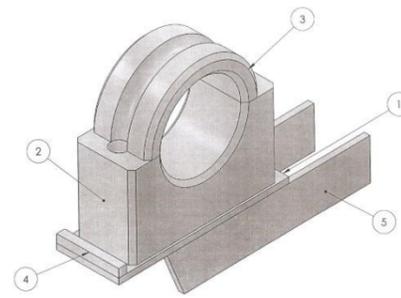


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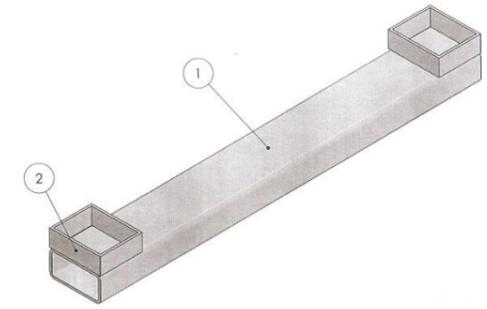
Nivel 1



TR-SC-00-00-007

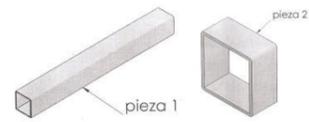


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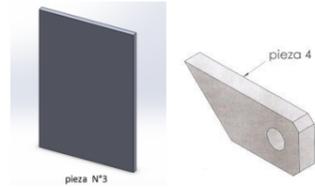


TR-TR-00-00-009

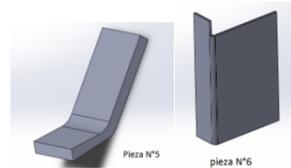
Nivel 2



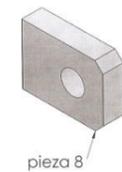
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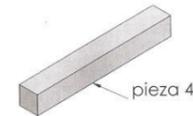
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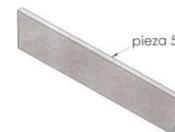
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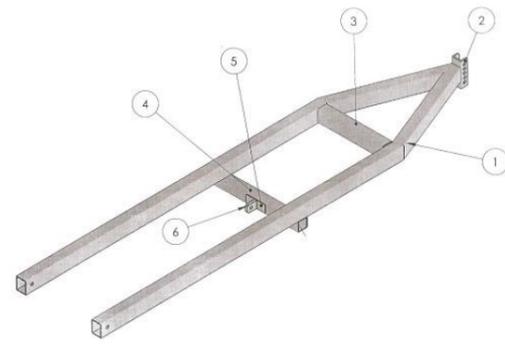


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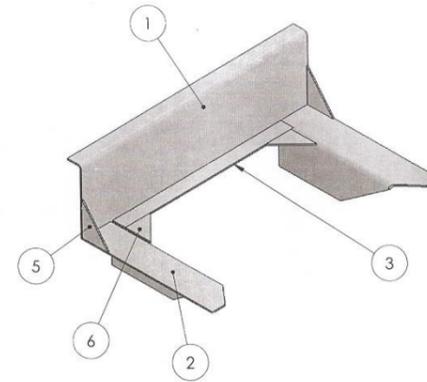


TR-TR-PE-02-009

Nivel 1



TR-CI-00-00-010

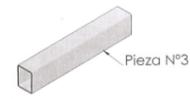


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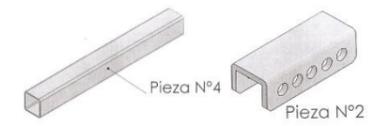
Nivel 2



TR-CI-PE-01-010

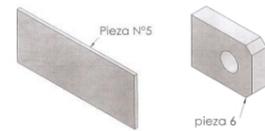


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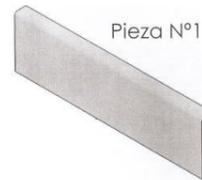
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TR-CI-PA-06-010



TR-CA-PL-01-011



TR-CA-PL-02-011



TR-CA-PA-03-011



TR-CA-CH-04-011