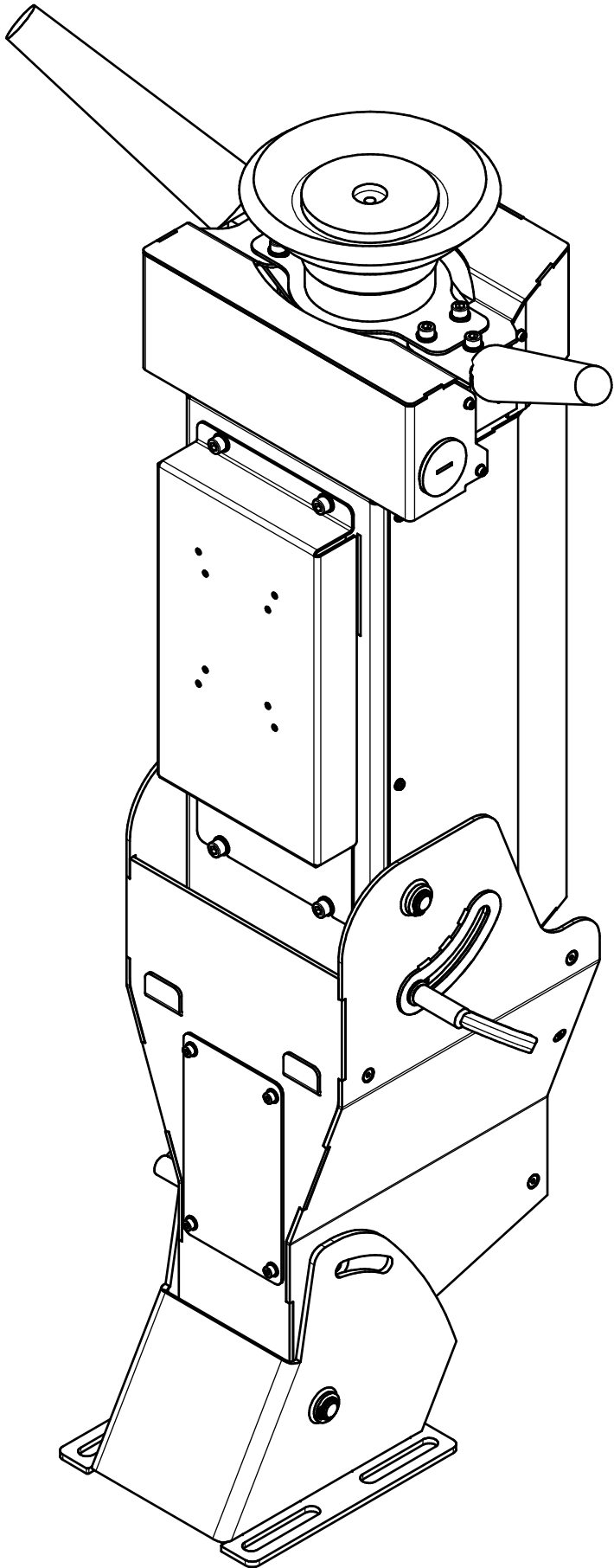


# COLUMNA DE DIRECCIÓN INDUSTRIAL V029

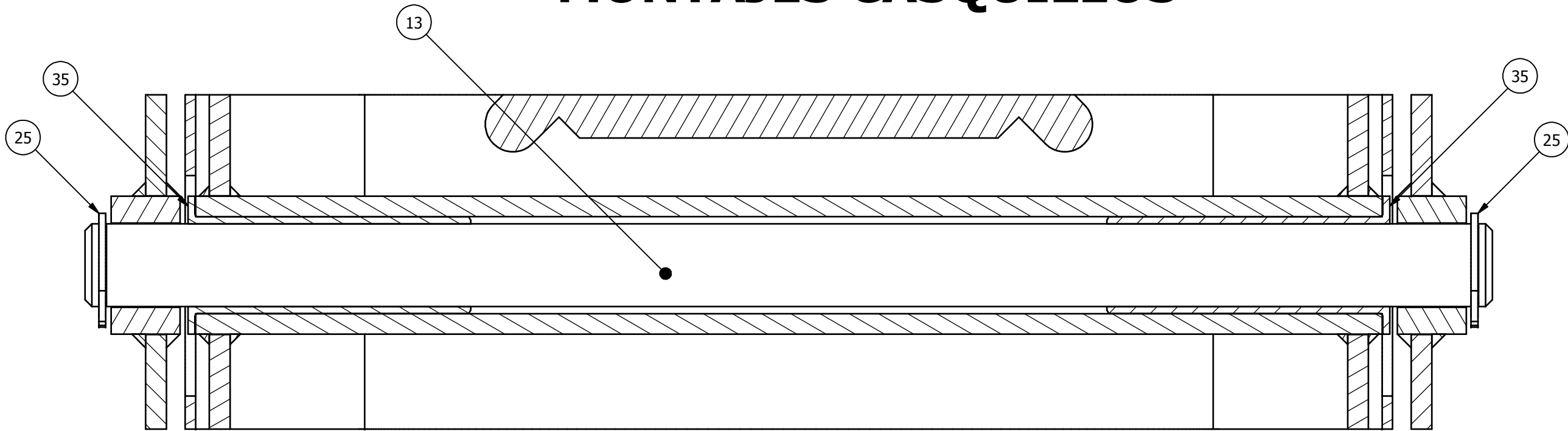


CDR-IN-V029-CD002  
SCALE 1 / 4

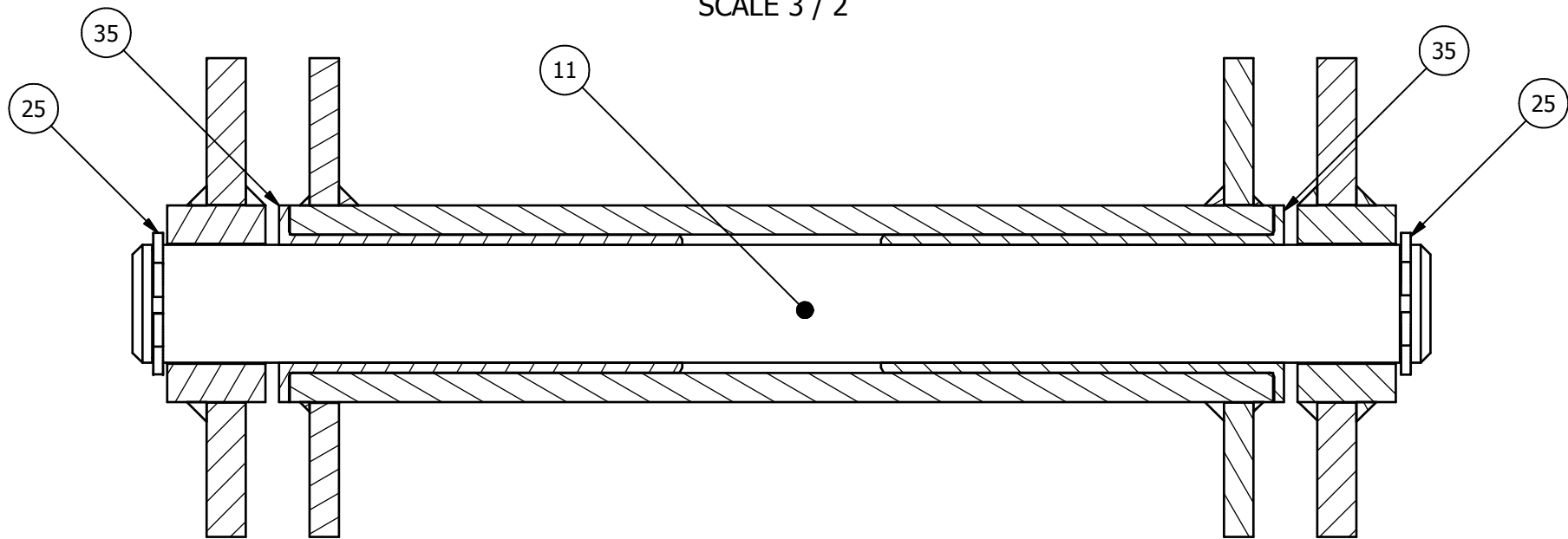
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0075459524 7C45	Maneta dcha. reguladores
2	1	008 545 01 24 7C45	Maneta izq. Luces, intermitentes, claxon
3	2	261 0825 599 35	Adjustable handle Skiffy Series 261-1
4	1	CDR-IN-V027-CSI001	ID Ref: 1034. Chapa Sujeción Inductivo, espesor 1,5 mm
5	1	CDR-IN-V028-CFREG001	ID Ref: 1029. Tapa Falsa Acceso Variador, espesor 1,5 mm
6	1	CDR-IN-V029-BASE001	ID Ref: 1421. Soldadura Base Columna Dirección
7	1	CDR-IN-V029-CCA001	ID Ref: 1419. Chapa Cubre Cables Derecha, espesor 1,5 mm
8	1	CDR-IN-V029-CCAA001	ID Ref: 1420. Chapa Cubre Cables Izquierda, espesor 1,5 mm
9	1	CDR-IN-V029-CRABBIT001	Chapa con Rabbit Atornillado
10	1	CDR-IN-V029-ECE001	Distribución Componentes Electrónicos
11	1	CDR-IN-V029-EJEI001	ID Ref: 1423. Eje mecanizado, diámetro exterior 12 mm
12	1	CDR-IN-V029-EJEMOTOR003	Conjunto extensor columna dirección y hierro del inductivo
13	1	CDR-IN-V029-EJES001	ID Ref: 1425. Eje Cuerpo Motor, diámetro 12 mm
14	1	CDR-IN-V029-SAE003	ID Ref: 1630. Soldadura Cubre Eje Acoplador
15	1	CDR-IN-V029-SCASQUETE001	ID Ref: 1428. Conjunto soldado del casquete
16	1	CDR-IN-V029-SCCM001	ID Ref: 1426. Soldadura Cubre-Motor
17	2	CDR-IN-V029-SCMA	ID Ref: 1427. Soldadura Chapas Manetas
18	1	CDR-IN-V029-SSM001	ID Ref: 1424. Soldadura Piezas Soporte Motor
19	1	CDR-IN-V029-STC001	Soldadura Torreta Principal
20	12	DIN 125 - A 3,2	Washer
21	5	DIN 125 - A 4,3	Washer
23	18	DIN 125 - A 6,4	Washer
24	10	DIN 125 - A 8,4	Washer
25	4	DIN 471 - 12x1	Retaining rings for shaft
26	4	DIN 7985 (H) - M3x8-H	Cross recessed raised cheese head screws - Type H
27	8	DIN 7991 - M4x12	Hexagon socket countersunk head cap screws
28	9	DIN 912 - M3 x 5	Cylinder Head Cap Screw
29	5	DIN 912 - M4 x 10	Cylinder Head Cap Screw
31	8	DIN 912 - M6 x 20	Cylinder Head Cap Screw
32	4	DIN 912 - M8 x 35	Cylinder Head Cap Screw
33	4	DIN 985 - M6	Hex Nut
34	6	DIN 985 - M8	Hex Nut
35	4	GFM-1214-40	GFM
36	1	GST04 1M VBR 063 C42 TERMINAL BOX DOWN	Motor-Reductor
37	4	Harrison Spring Steel Cage Nut M6 9563 o equivalente	Tuerca jaula M6 para chapa 2.8-3.5
38	1	SMT-Volante chino	
39	1	WN-02-056	ID Ref: 643 . Clausor arranque / Ignition Switch
53	6	DIN 912 - M6 x 12	Cylinder Head Cap Screw

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK		
		Planos producción columna industrial- V029		
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-IN-29-ENS02		
		REV	SIZE A3	SHEET 1 OF 16
APPROVED				

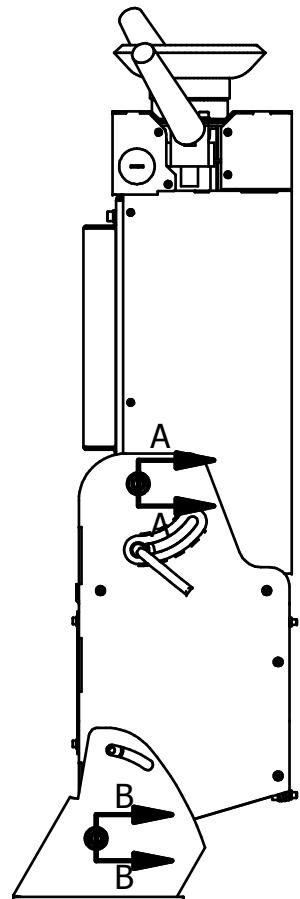
# MONTAJES CASQUILLOS



SECTION A-A  
SCALE 3 / 2



SECTION B-B  
SCALE 3 / 2

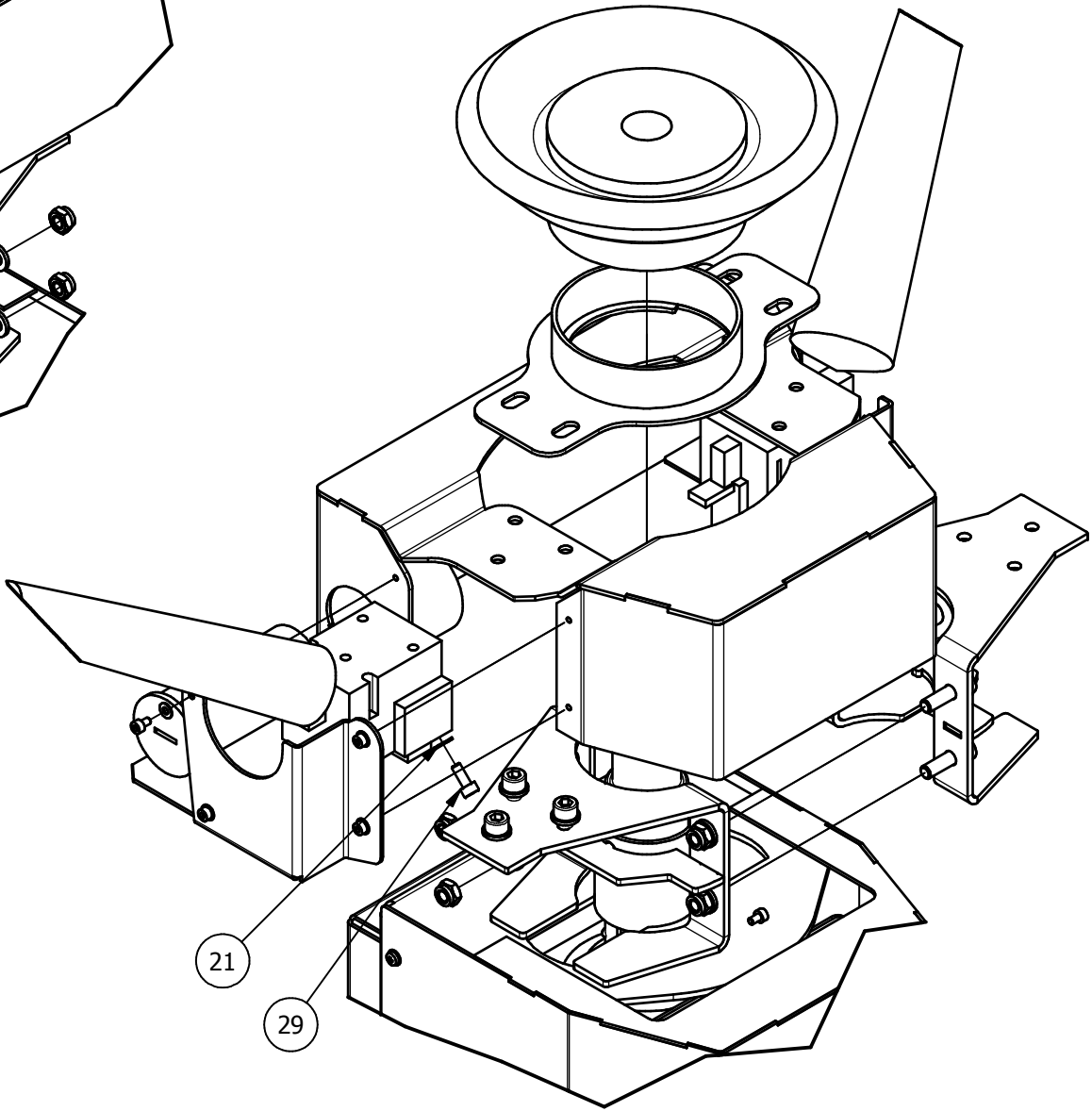
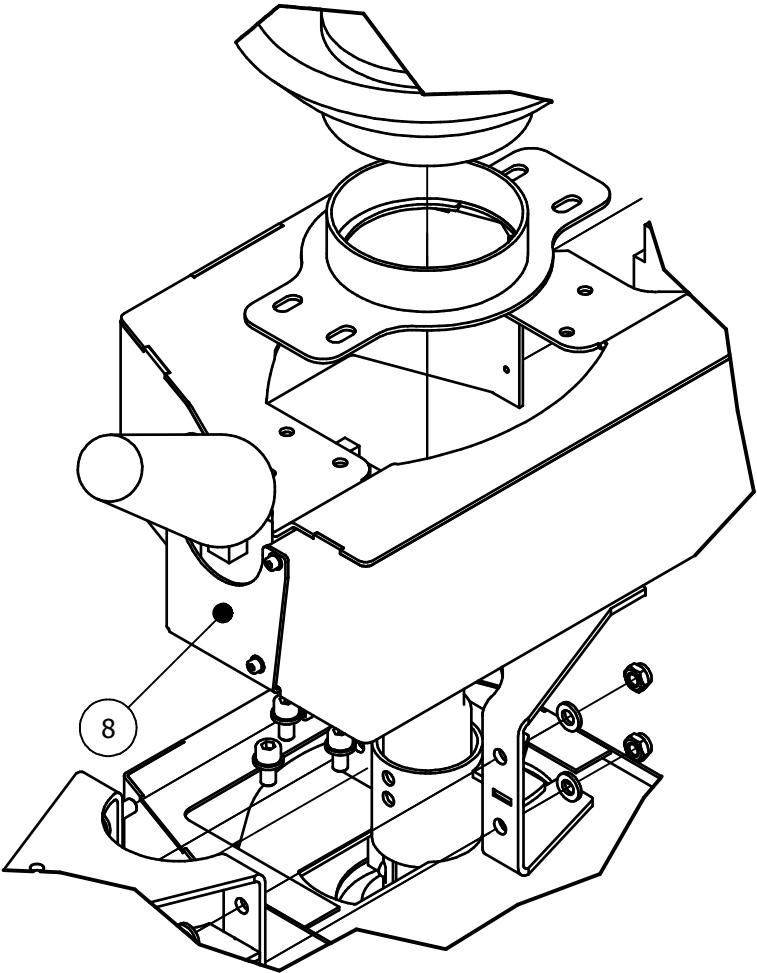
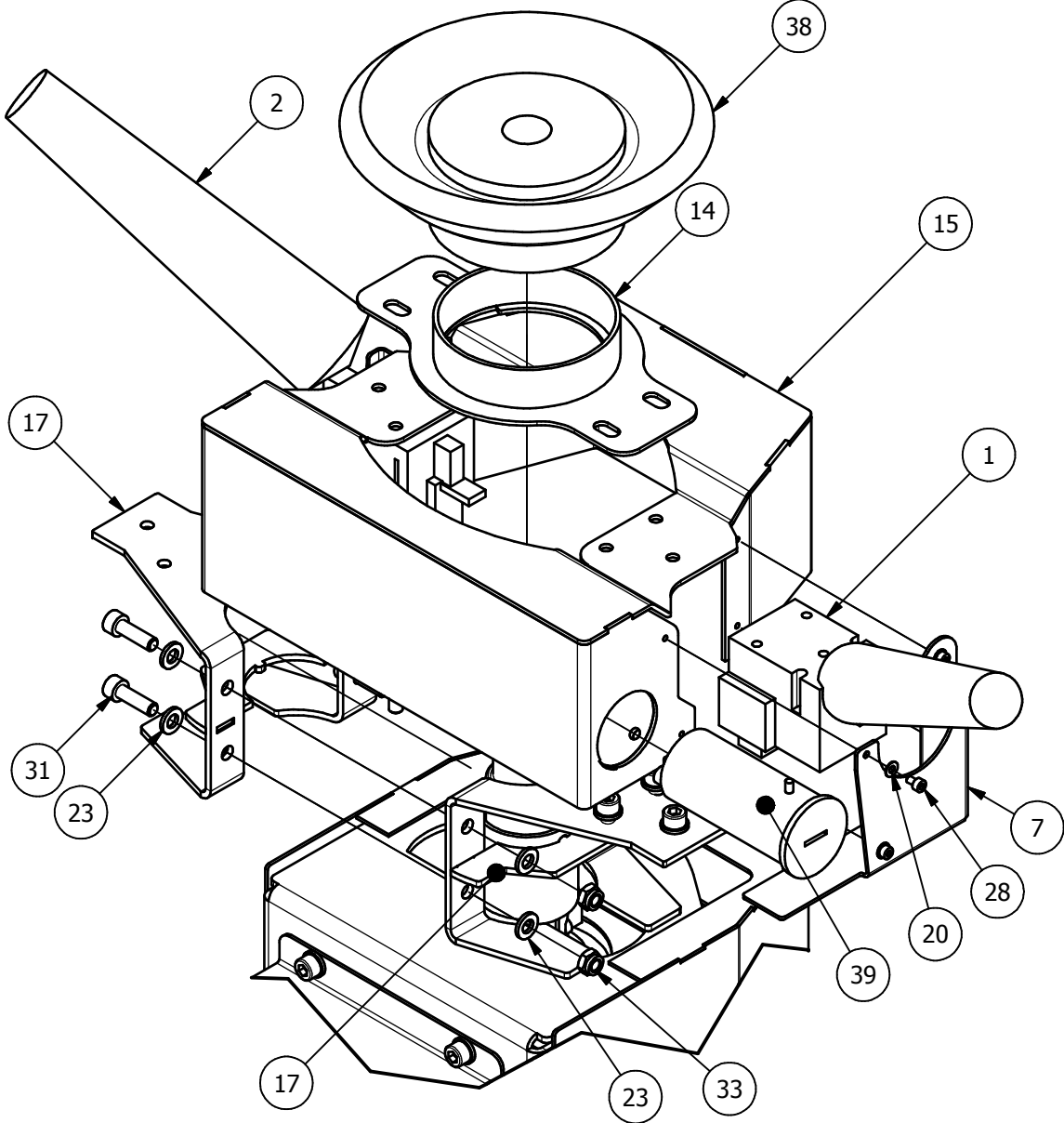


CDR-IN-V029-CD002  
SCALE 1 / 8

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
11	1	CDR-IN-V029-EJEI001	ID Ref: 1423. Eje mecanizado, diámetro exterior 12 mm
13	1	CDR-IN-V029-EJES001	ID Ref: 1425. Eje Cuerpo Motor, diámetro 12 mm
25	4	DIN 471 - 12x1	Retaining rings for shaft
35	4	GFM-1214-40	GFM
53	6	DIN 912 - M6 x 12	Cylinder Head Cap Screw

DRAWN Carlos Ruiz Madrigal		03/10/2013	SIMUMAK	
CHECKED Raúl Rodríguez G.		13/11/2013	Planos producción columna industrial- V029	
APPROVED			DWG NO: CDR-IN-29-ENS02	
			REV	SIZE A3
			SHEET 2 OF 16	

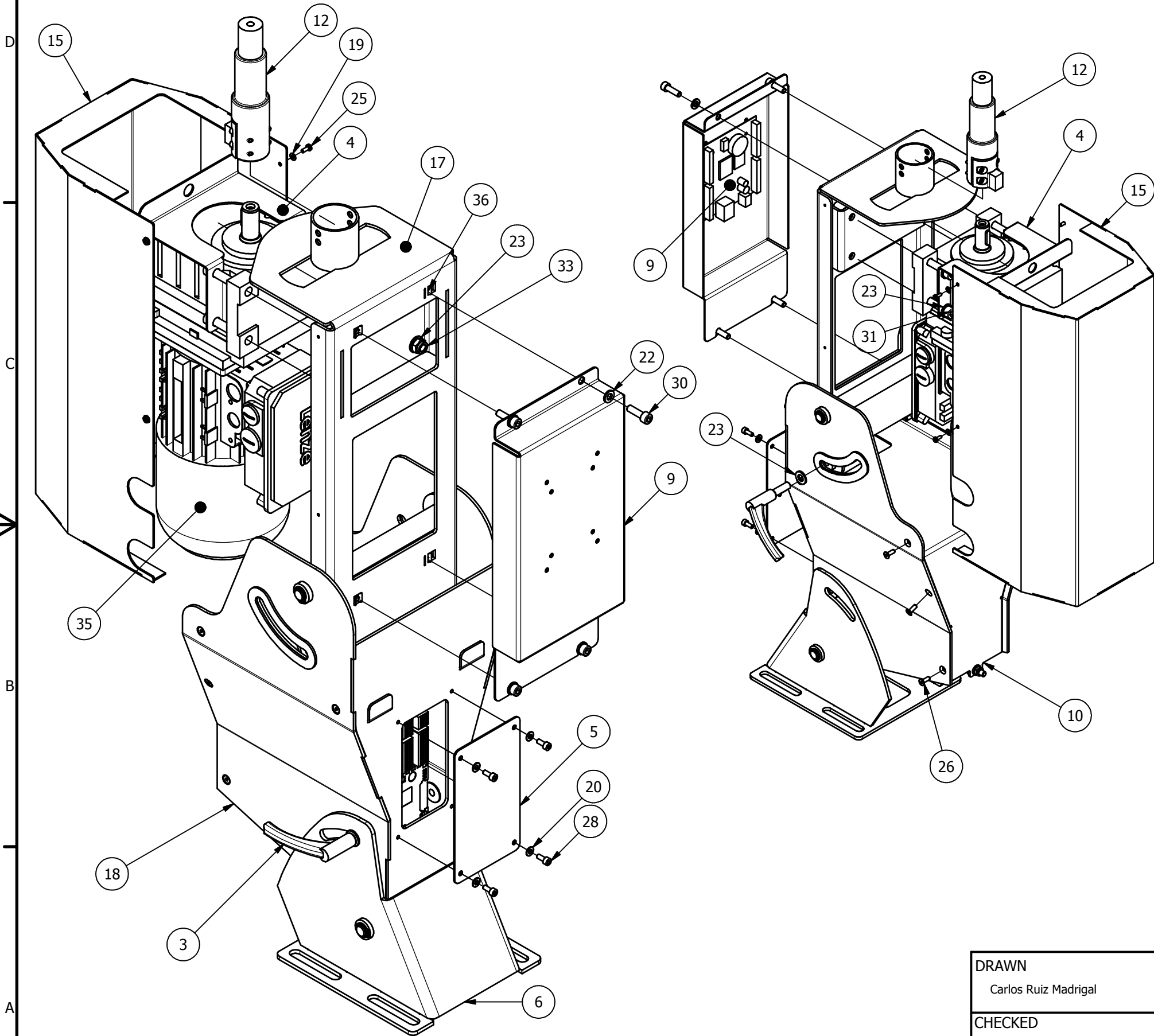
# MONTAJE VOLANTE-MANETAS



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0075459524 7C45	Maneta dcha. reguladores
2	1	008 545 01 24 7C45	Maneta izq. Luces, intermitentes, claxon
7	1	CDR-IN-V029-CCA001	ID Ref: 1419. Chapa Cobre Cables Derecha, espesor 1,5 mm
8	1	CDR-IN-V029-CCAA001	ID Ref: 1420. Chapa Cobre Cables Izquierda, espesor 1,5 mm
14	1	CDR-IN-V029-SAE003	ID Ref: 1630. Soldadura Cobre Eje Acoplador
15	1	CDR-IN-V029-SCASQUETE001	ID Ref: 1428. Conjunto soldado del casquete
17	2	CDR-IN-V029-SCMA	ID Ref: 1427. Soldadura Chapas Manetas
21	5	DIN 125 - A 4,3	Washer
23	18	DIN 125 - A 6,4	Washer
28	9	DIN 912 - M3 x 5	Cylinder Head Cap Screw
29	5	DIN 912 - M4 x 10	Cylinder Head Cap Screw
31	8	DIN 912 - M6 x 20	Cylinder Head Cap Screw
33	4	DIN 985 - M6	Hex Nut
39	1	WN-02-056	ID Ref: 643 . Clausor arranque / Ignition Switch
53	6	DIN 912 - M6 x 12	Cylinder Head Cap Screw

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK		
		Planos producción columna industrial- V029		
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-IN-29-ENS02		
		REV	SIZE A3	SHEET 3 OF 16

# MONTAJE CUERPO MOTOR



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
3	2	261 0825 599 35	Adjustable handle Skiffy Series 261-1
4	1	CDR-IN-V027-CSI001	ID Ref: 1034. Chapa Sujeción Inductivo, espesor 1,5 mm
5	1	CDR-IN-V028-CFREG001	ID Ref: 1029. Tapa Falsa Acceso Variador, espesor 1,5 mm
6	1	CDR-IN-V029-BASE001	ID Ref: 1421. Soldadura Base Columna Dirección
9	1	CDR-IN-V029-CRABBIT001	Chapa con Rabbit Atornillado
10	1	CDR-IN-V029-ECE001	Distribución Componentes Electrónicos
12	1	CDR-IN-V029-EJEMOTOR003	Conjunto extensor columna dirección y hierro del inductivo
15	1	CDR-IN-V029-SCCM001	ID Ref: 1426. Soldadura Cubre-Motor
17	1	CDR-IN-V029-SSM001	ID Ref: 1424. Soldadura Piezas Soporte Motor
18	1	CDR-IN-V029-STC001	Soldadura Torreta Principal
19	12	DIN 125 - A 3,2	Washer
20	5	DIN 125 - A 4,3	Washer
22	12	DIN 125 - A 6,4	Washer
23	10	DIN 125 - A 8,4	Washer
25	4	DIN 7985 (H) - M3x8-H	Cross recessed raised cheese head screws - Type H
26	8	DIN 7991 - M4x12	Hexagon socket countersunk head cap screws
28	5	DIN 912 - M4 x 10	Cylinder Head Cap Screw
31	4	DIN 912 - M8 x 35	Cylinder Head Cap Screw
33	6	DIN 985 - M8	Hex Nut
35	1	GST04 1M VBR 063 C42 TERMINAL BOX DOWN	Motor-Reductor
36	4	Harrison Spring Steel Cage Nut M6 9563 o equivalente	Tuerca jaula M6 para chapa 2.8-3.5

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK		
		Planos producción columna industrial- V029		
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-IN-29-ENS02		
		REV	SIZE A3	SHEET 4 OF 16
APPROVED				

# BASE COLUMNA

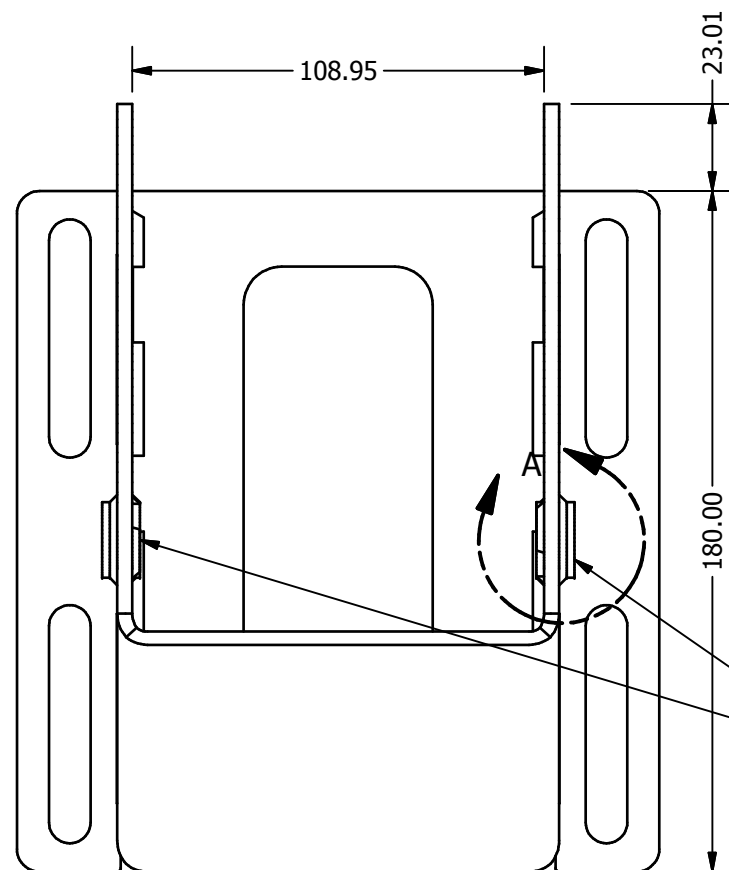
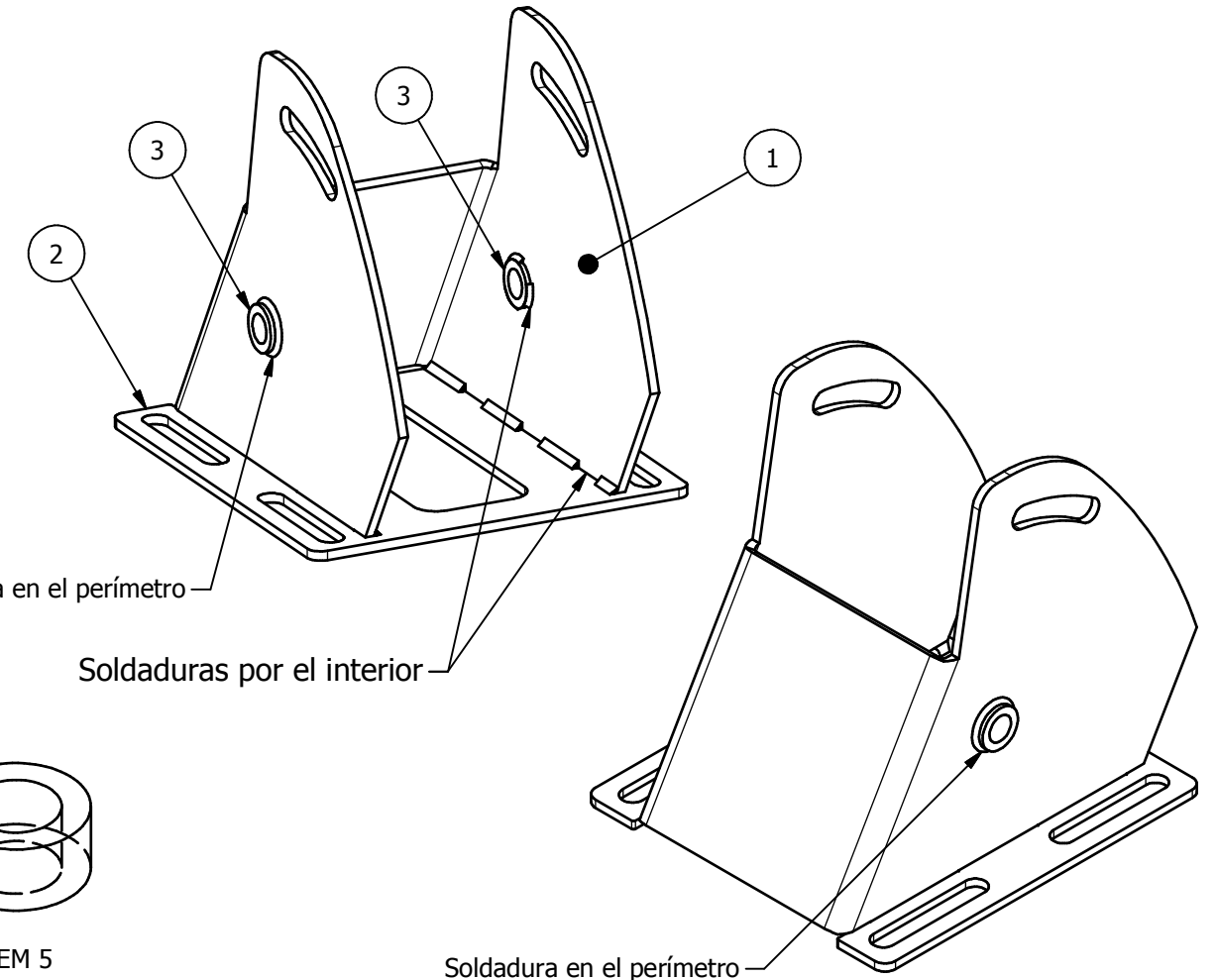
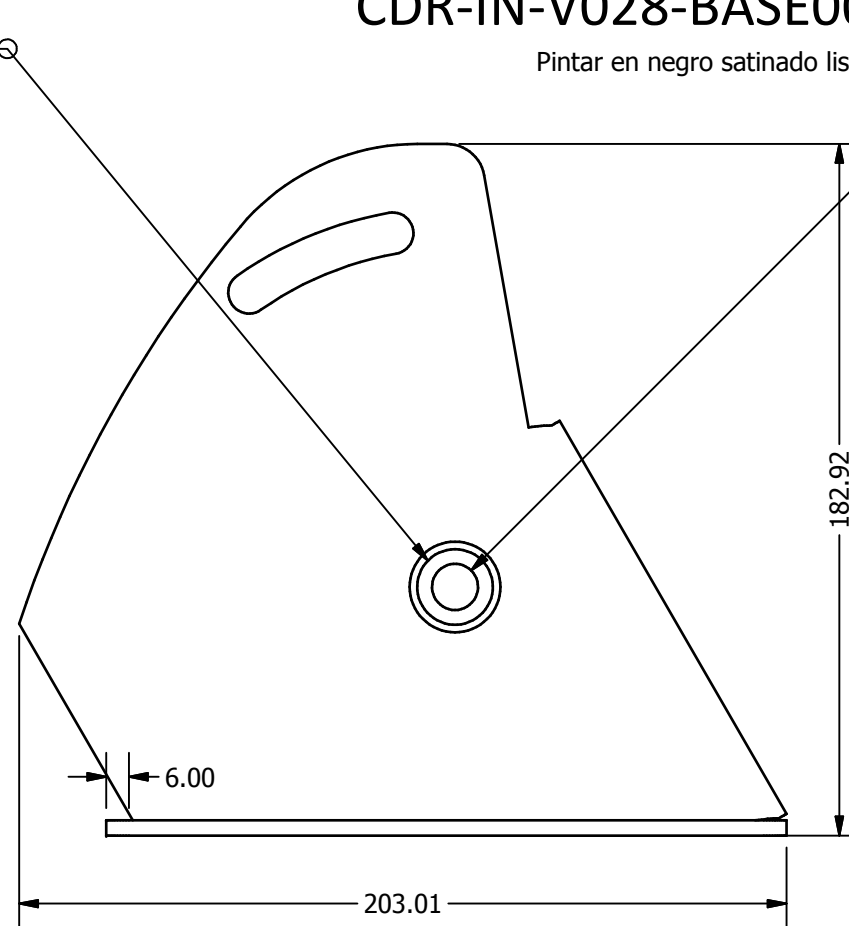
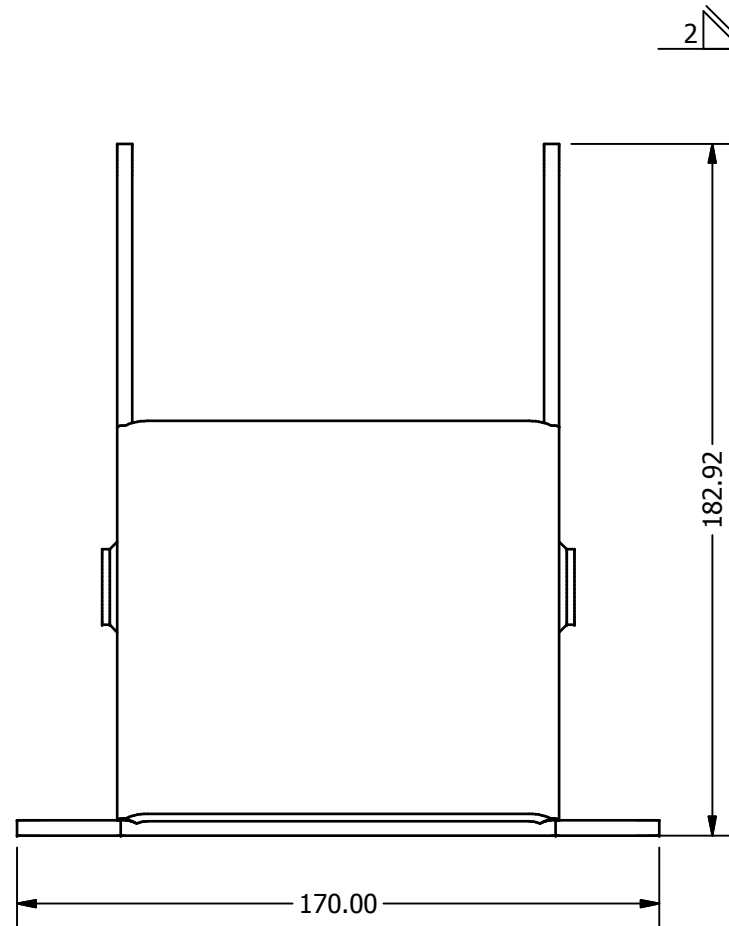
## SOLDADURA BASE COLUMNA DIRECCIÓN

CDR-IN-V028-BASE001 ID Ref: 1421

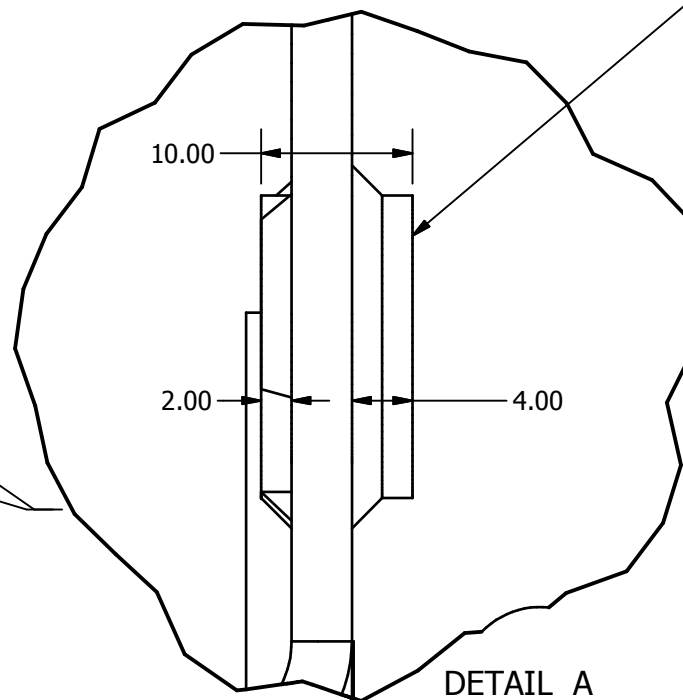
Pintar en negro satinado liso

### IMPORTANTE:

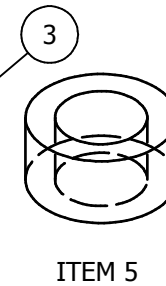
Los macizos soldados deben estar perfectamente alineados.  
La chapa que los contiene se pliega



CDR-IN-V028-BASE001  
SCALE 1 : 2

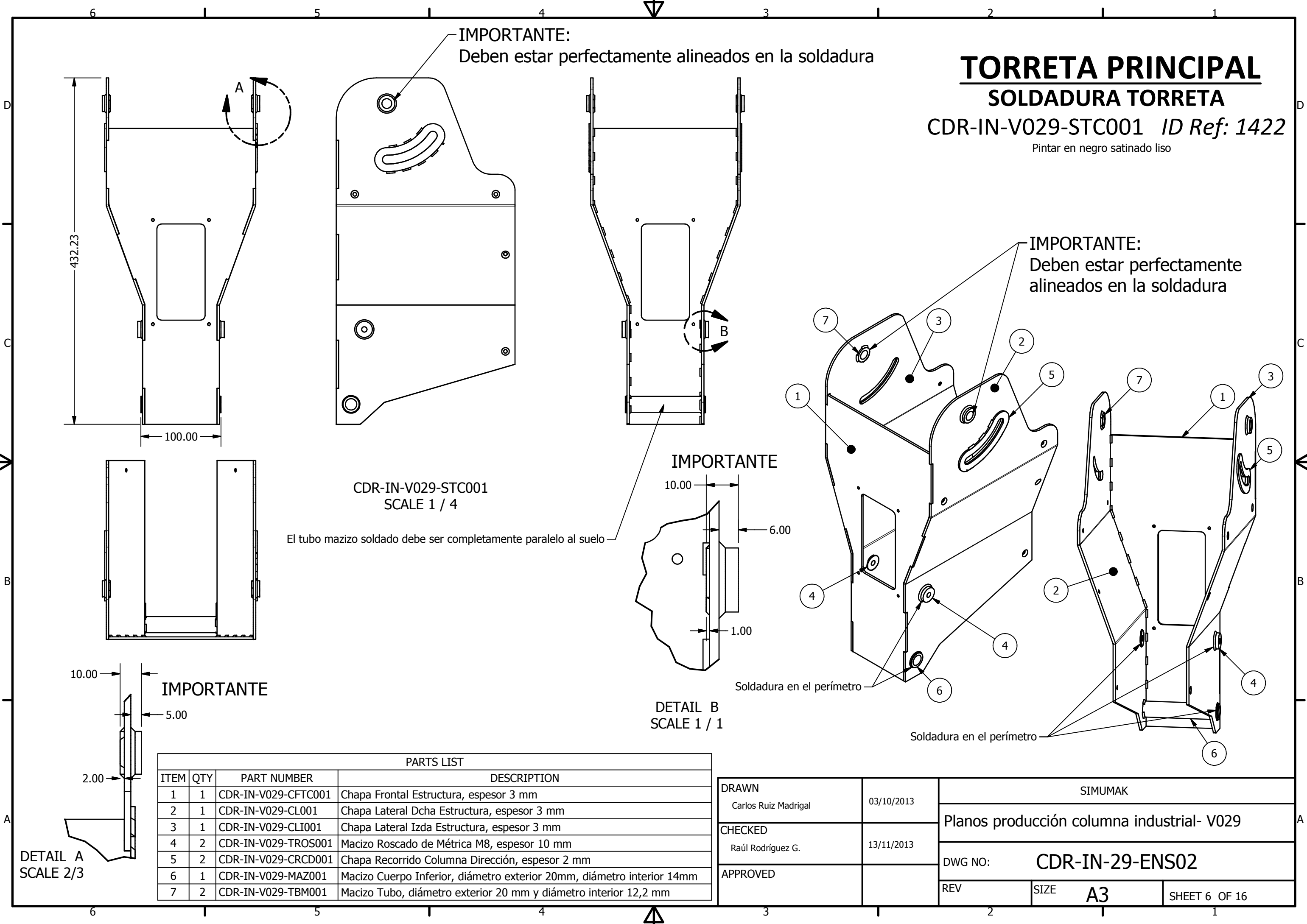


DETAIL A  
SCALE 2: 1



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-CI001	Chapa Cuerpo Inferior, espesor 4 mm
2	1	CDR-IN-V029-CICD002	Chapa Suelo, espesor 4 mm
3	2	CDR-IN-V029-TBM001	Macizo Tubo, diámetro exterior 20 mm y diámetro interior 12,2 mm

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK		
		Planos producción columna industrial- V029		
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-IN-29-ENS02		
		REV	SIZE A3	SHEET 5 OF 16
APPROVED				



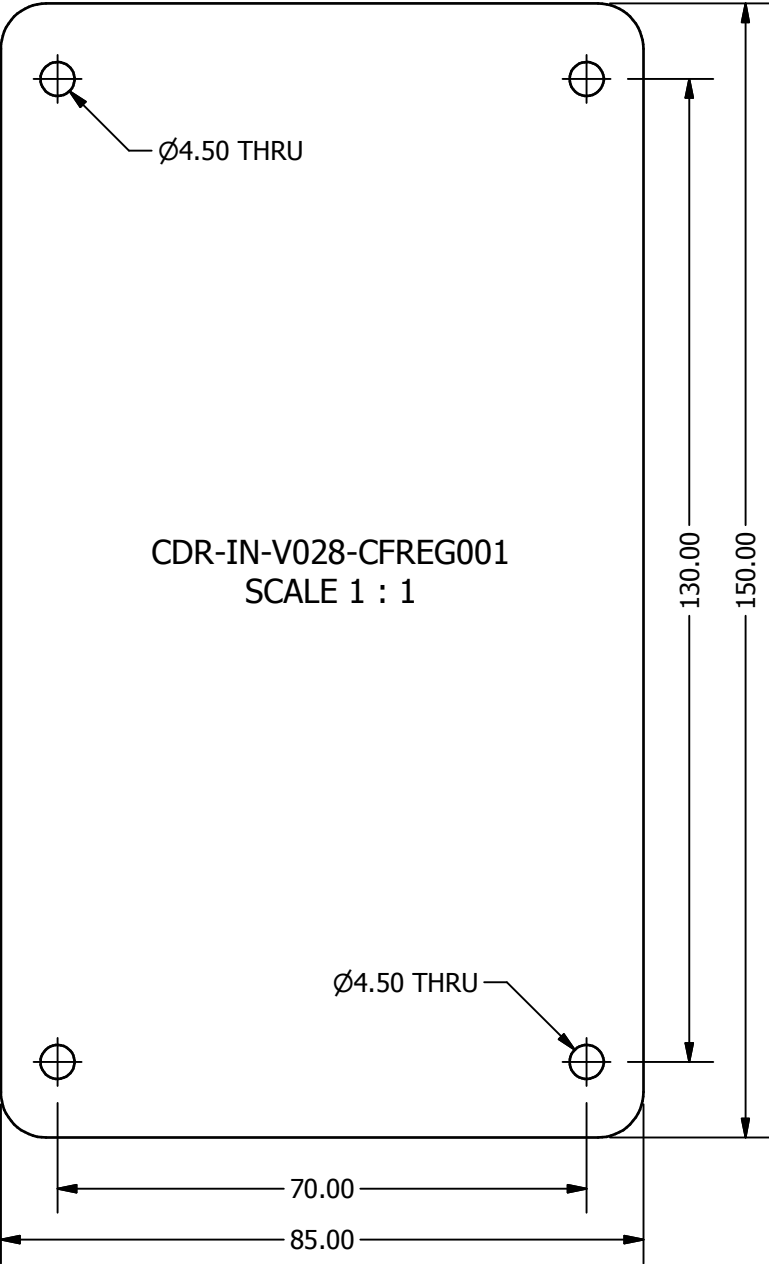
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-CFTC001	Chapa Frontal Estructura, espesor 3 mm
2	1	CDR-IN-V029-CL001	Chapa Lateral Dcha Estructura, espesor 3 mm
3	1	CDR-IN-V029-CLI001	Chapa Lateral Izda Estructura, espesor 3 mm
4	2	CDR-IN-V029-TROS001	Macizo Roscado de Métrica M8, espesor 10 mm
5	2	CDR-IN-V029-CRCD001	Chapa Recorrido Columna Dirección, espesor 2 mm
6	1	CDR-IN-V029-MAZ001	Macizo Cuerpo Inferior, diámetro exterior 20mm, diámetro interior 14mm
7	2	CDR-IN-V029-TBM001	Macizo Tubo, diámetro exterior 20 mm y diámetro interior 12,2 mm

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK	
		Planos producción columna industrial- V029	
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-IN-29-ENS02	
APPROVED		REV	SIZE A3
		SHEET 6 OF 16	

# TAPA ACCESO VARIADOR

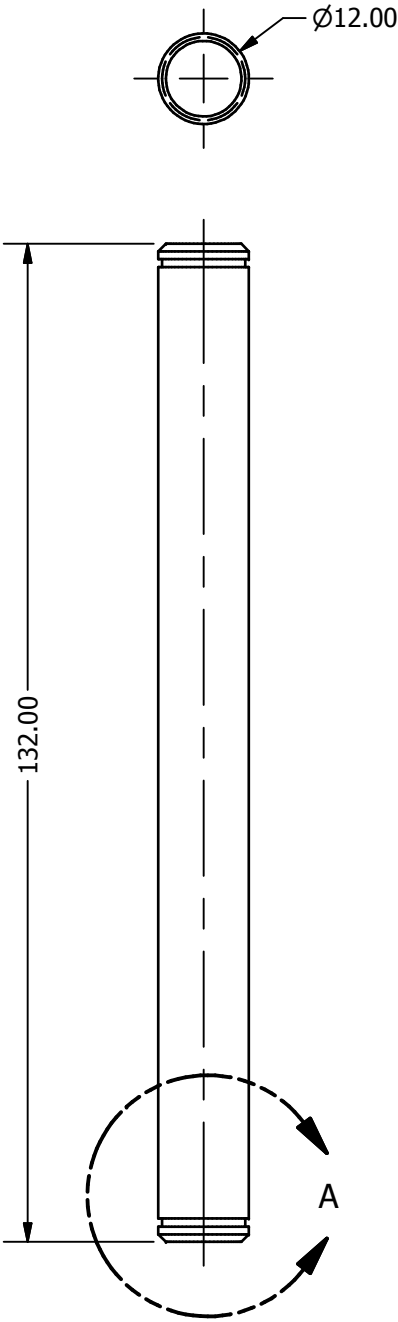
## CHAPA FALSA ACCESO VARIADOR

CDR-IN-V028-CFREG001 ID Ref: 1029

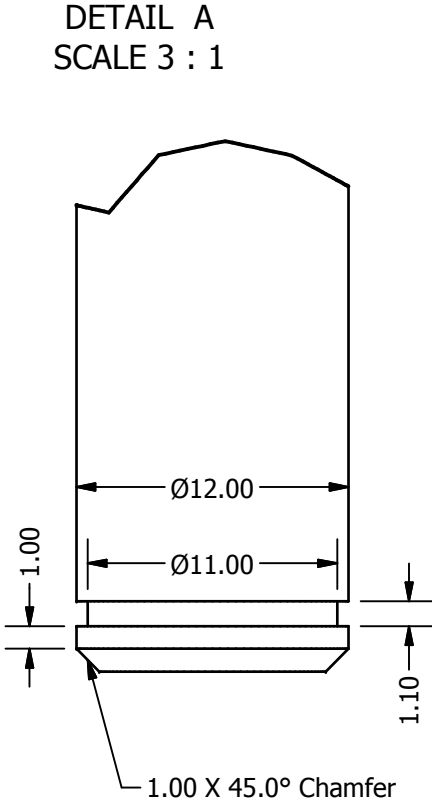


PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
1	CDR-IN-V028-CFREG001	ID Ref: 1029. Tapa Falsa Acceso Variador, espesor 1,5 mm

Pintar en negro satinado liso



CDR-IN-V029-EJEI001  
SCALE 1 : 1

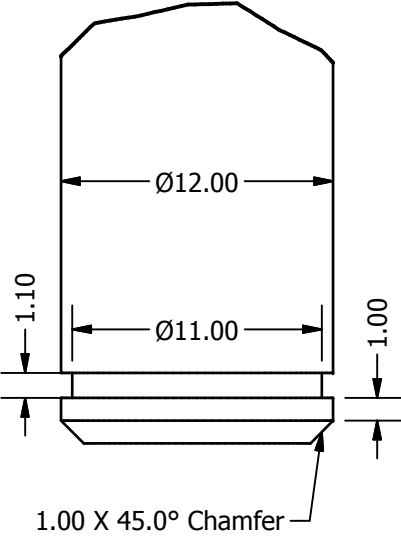


PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
1	CDR-IN-V029-EJEI001	ID Ref: 1423. Eje mecanizado, diámetro exterior 12 mm

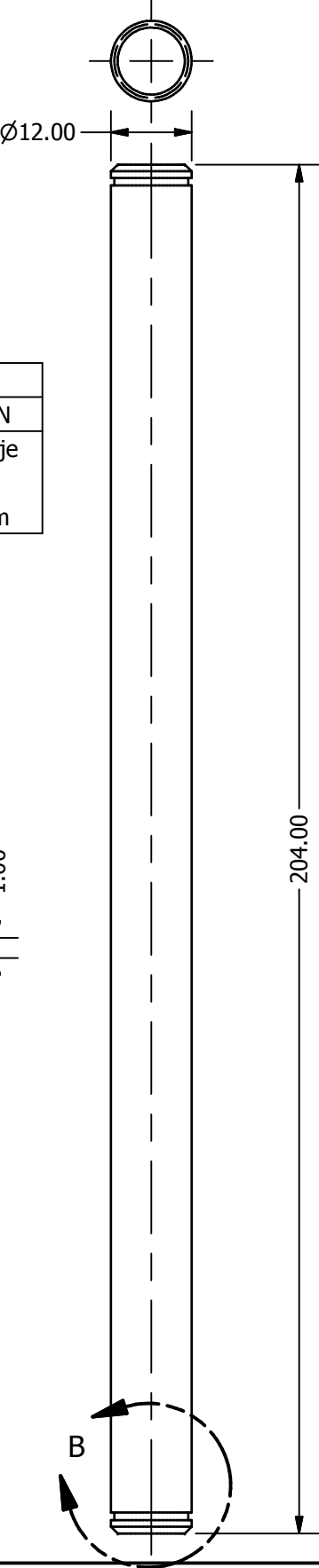
Tratamiento cincado negro

DRAWN	03/10/2013	SIMUMAK	
CHECKED	13/11/2013	Planos producción columna industrial- V029	
APPROVED		DWG NO: CDR-IN-29-ENS02	
REV	SIZE	A3	SHEET 7 OF 16

PARTS LIST		
QTY	PART NUMBER	DESCRIPTION
1	CDR-IN-V029-EJES001	ID Ref: 1425. Eje Cuerpo Motor, diámetro 12 mm



DETAIL B  
SCALE 3 : 1



PIEZA SOPORTE MOTOR

SOLDADURA SOPORTE MOTOR

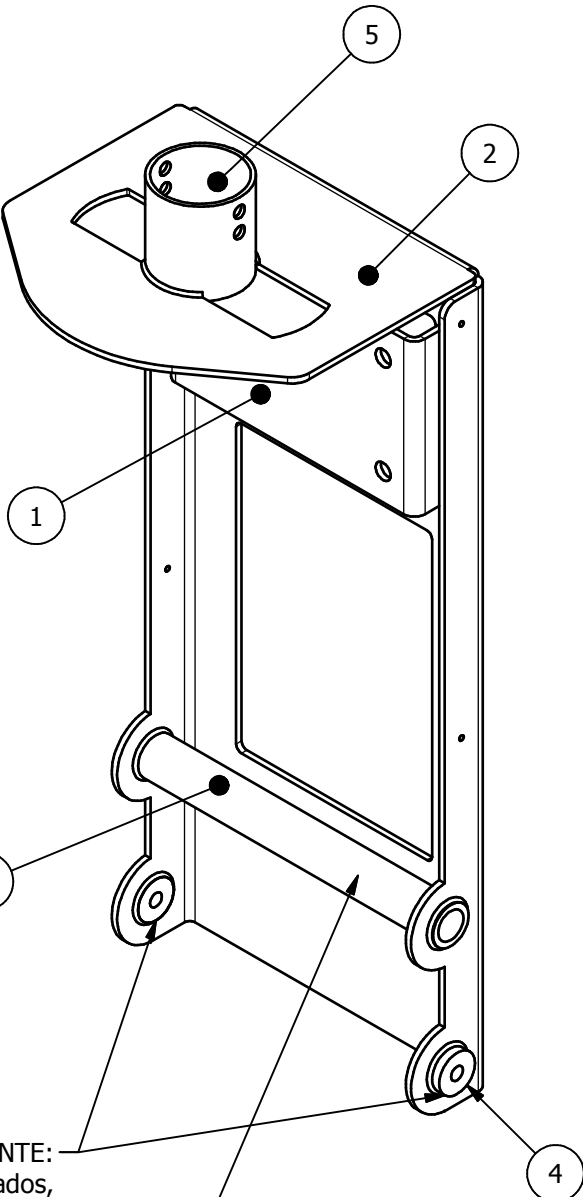
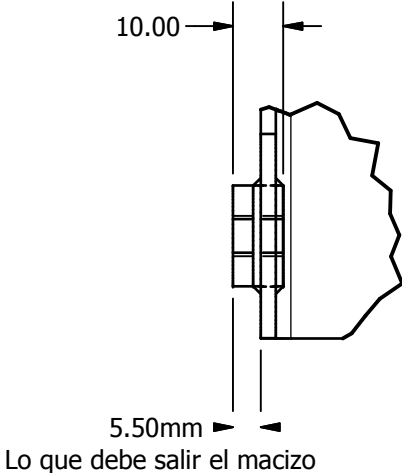
CDR-IN-V029-SSM001 ID Ref: 1424

Pintar en negro satinado liso

El tubo debe quedar enrasado con la cara inferior

DETAIL A  
SCALE 2 / 3

CDR-IN-V029-SSM001  
SCALE 1 / 3



Los macizos soldados deben entrar perfectamente alineados, cuidado con el plegado de la pieza

El tubo macizo debe quedar perfectamente alineado y paralelo al suelo

Posición de los taladros en el tubo soldado

PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	CDR-IN-V027-CRSM001	Chapa Resistente de Sujeción del Motor, espesor 3 mm	
2	1	CDR-IN-V029-CSM001	Chapa Frontal Sujeción Motor, espesor 3 mm	
3	1	CDR-IN-V029-MAZS001	Tubo Macizo Cuerpo Motor, diámetro exterior 20 mm y diámetro interior 14,1mm	
4	2	CDR-IN-V029-TROS001	Macizo Roscado de Métrica M8, espesor 10 mm	
5	1	CDR-IN-V029-TSSM001	Tubo Protección Eje, espesor 2 mm	

DRAWN		03/10/2013		SIMUMAK		
Carlos Ruiz Madrigal						
CHECKED		13/11/2013		Planos producción columna industrial- V029		
Raúl Rodríguez G.						
APPROVED				DWG NO: CDR-IN-29-ENS02		
				REV	SIZE A3	SHEET 8 OF 16

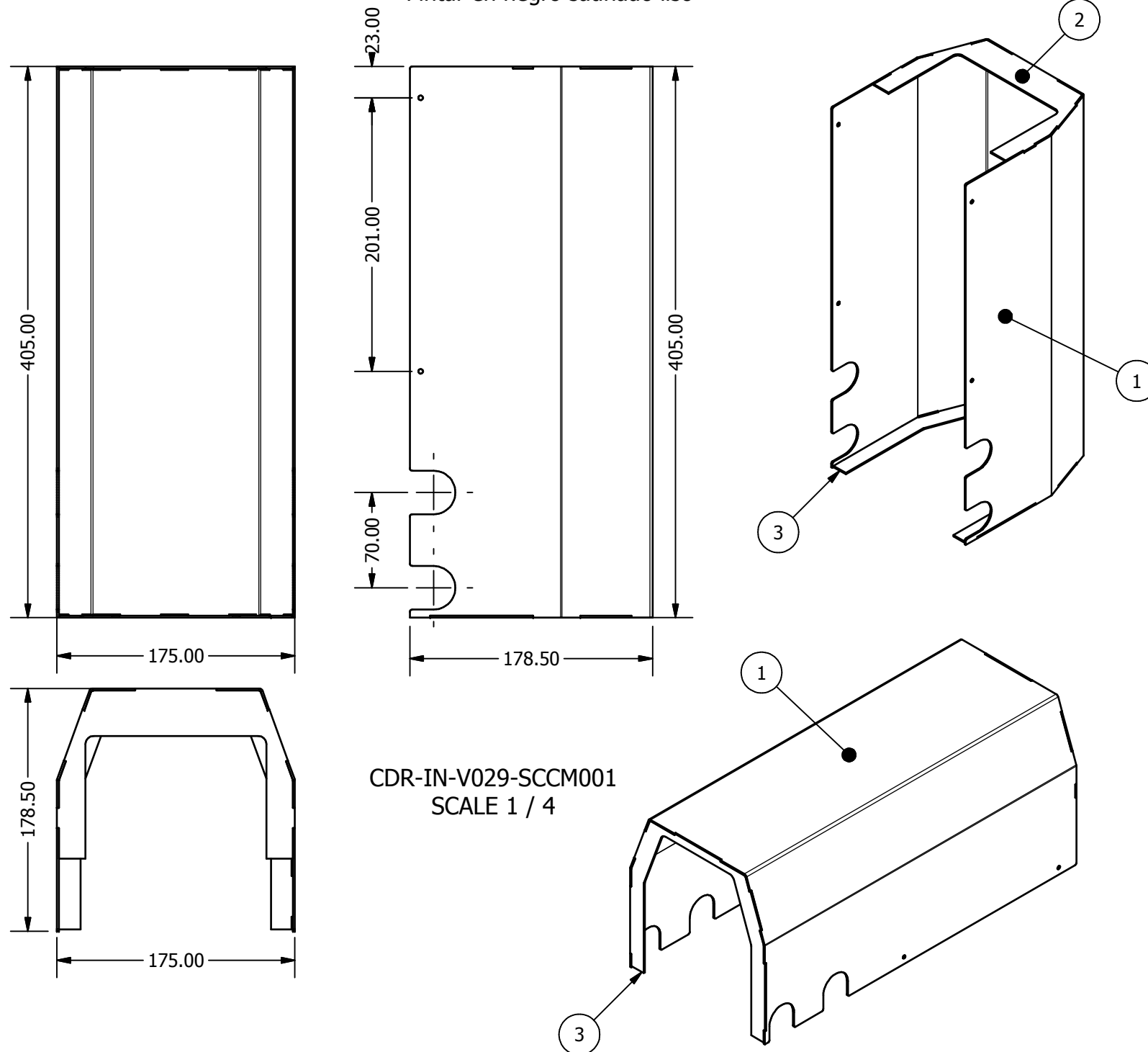


# CARCASA CUBRE MOTOR

## SOLDADURA CUBRE MOTOR

CDR-IN-V029-SCCM001 ID Ref: 1426

Pintar en negro satinado liso



CDR-IN-V029-SCCM001  
SCALE 1 / 4

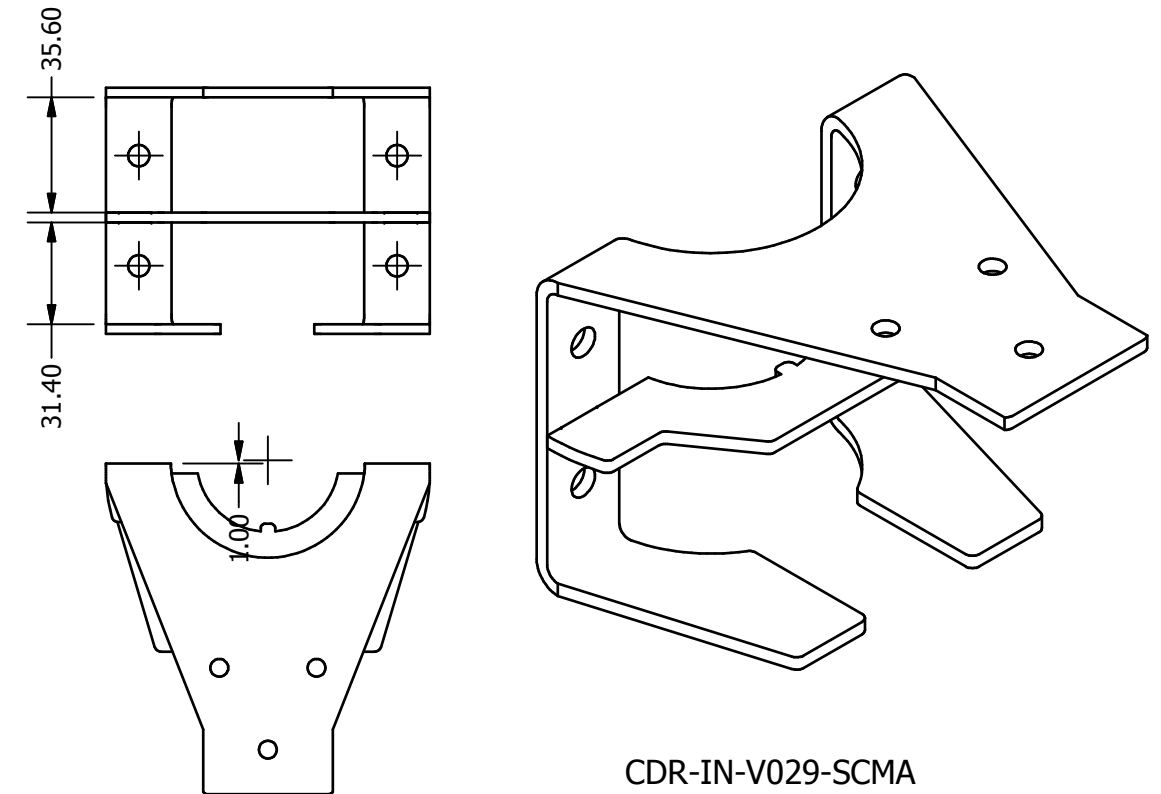
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-CCM001	Chapa Carcasa Trasera, espesor 1,5 mm
2	1	CDR-IN-V029-CSTM001	Chapa Superior Carcasa, espesor 1,5 mm
3	1	CDR-IN-V029-CICM001	Chapa Inferior Carcasa Trasera, espesor 1,5 mm

# SOPORTE MANETAS

## 2 CONJUNTOS SOLDADOS CHAPAS MANETAS

CDR-IN-V029-SCMA ID Ref: 1427

Pintar en negro satinado liso



CDR-IN-V029-SCMA  
SCALE 2 : 3

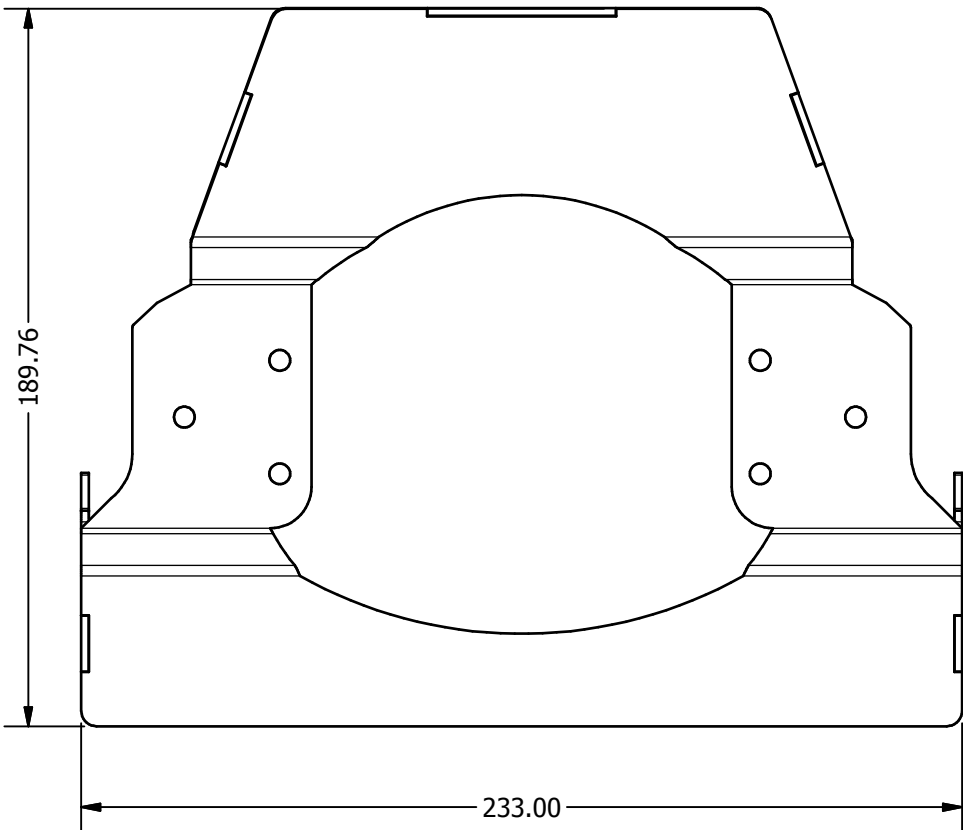
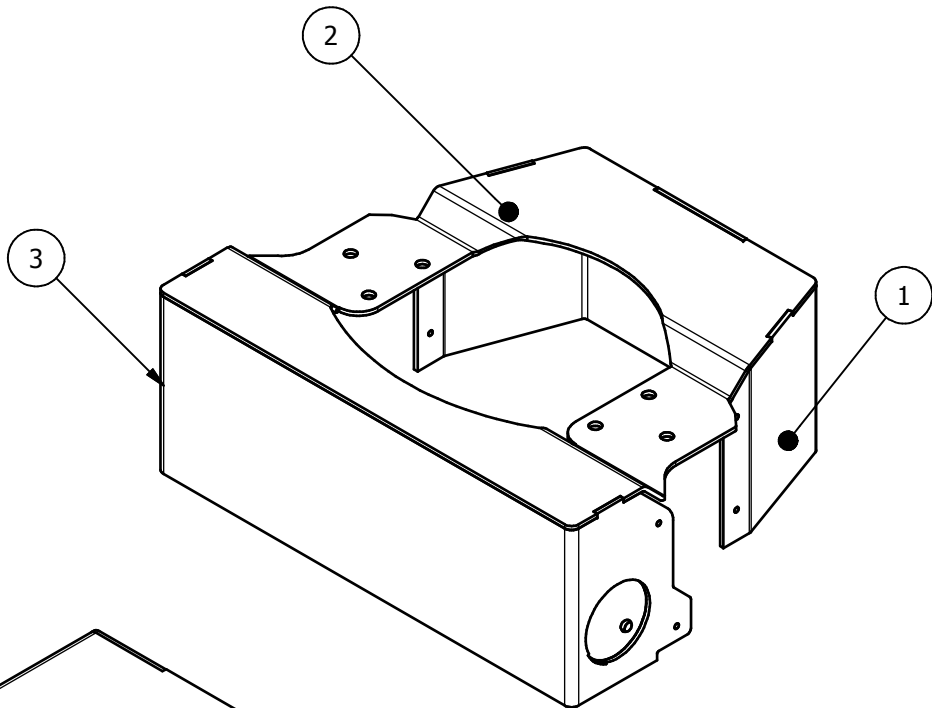
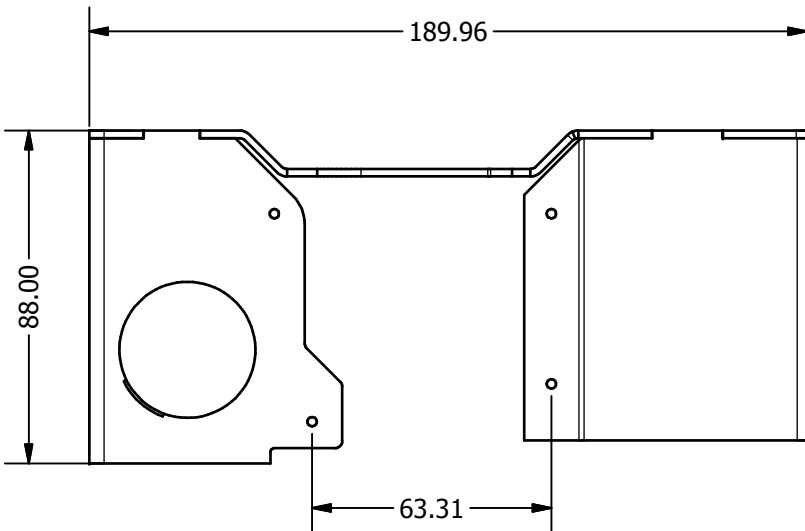
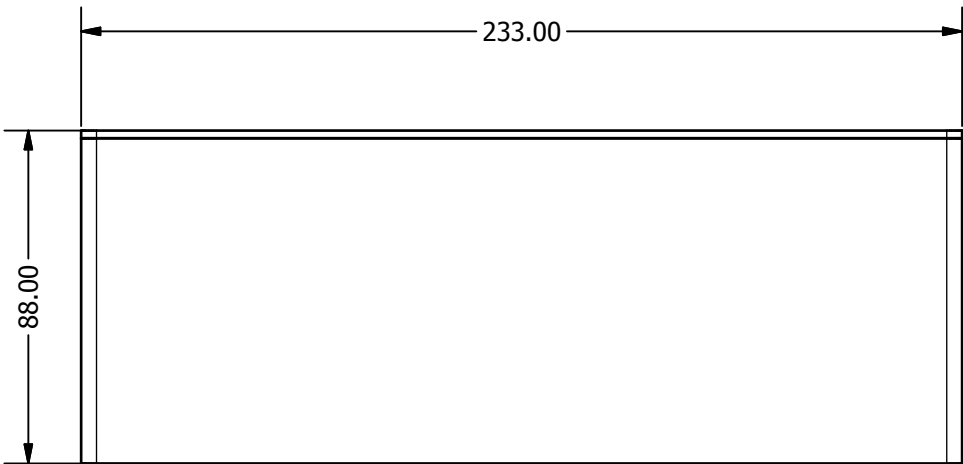
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-CSMM001	Chapa Soporte Manetas, espesor 3 mm
2	1	CDR-IN-V029-CSSM001	Chapa Sujeción Tubo, espesor 3 mm

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK	
		Planos producción columna industrial- V029	
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-IN-29-ENS02	
APPROVED		REV	SIZE A3 SHEET 9 OF 16

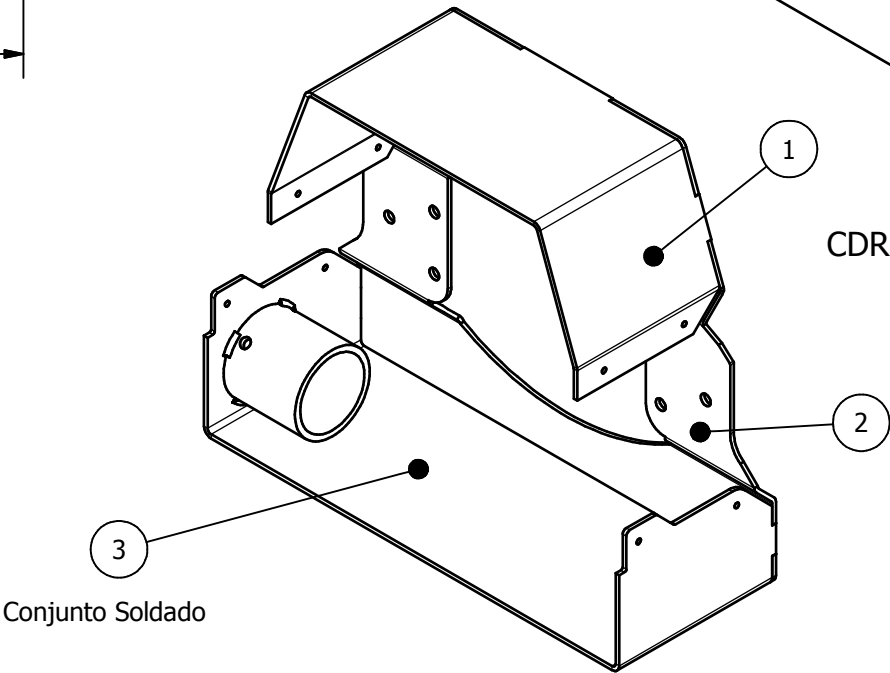
CASQUETE

CONJUNTO SOLDADO DEL CASQUETE  
CDR-IN-V029-SCASQUETE001 ID Ref: 1428

Pintar en negro satinado liso



CDR-IN-V029-SCASQUETE001  
SCALE 1/2



CDR-IN-V029-SCASQUETE001  
SCALE 1 / 3

Conjunto Soldado

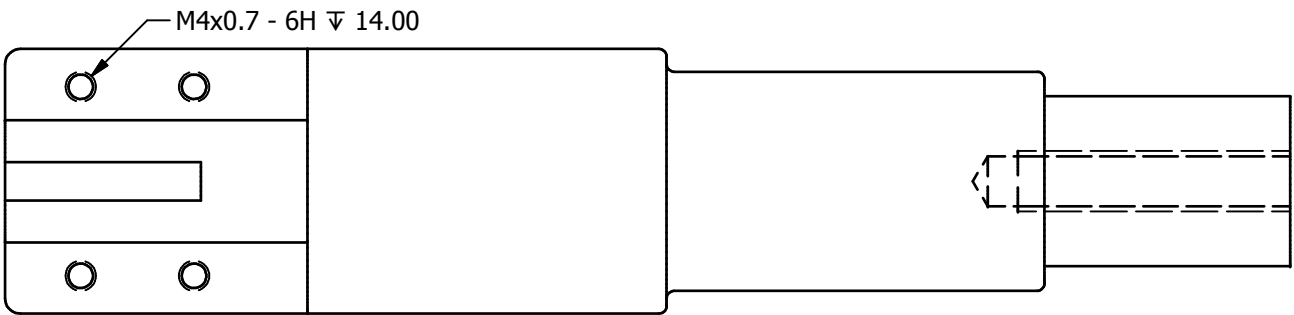
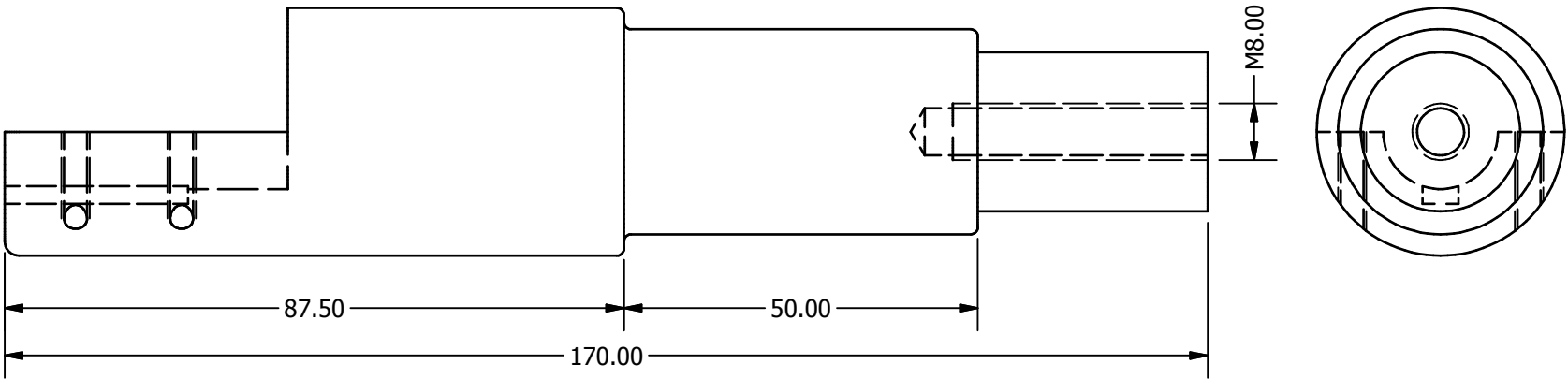
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-CFCT001	Chapa embellecedora Trasera, espesor 2 mm
2	1	CDR-IN-V029-CFIB001	Chapa Superior Clausor, espesor 2 mm
3	1	CDR-IN-V029-STK001	Soldadura Tubo Clausor

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK		
		Planos producción columna industrial- V029		
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-IN-29-ENS02		
		REV	SIZE A3	SHEET 10 OF 16
APPROVED				

EJE MECANIZADO COLUMNA DE DIRECCIÓN

EJE MECANIZADO

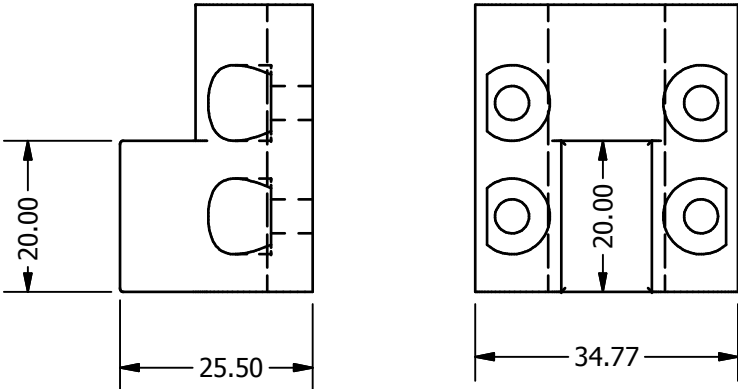
CDR-IN-V029-PROLA003 ID Ref: 1429



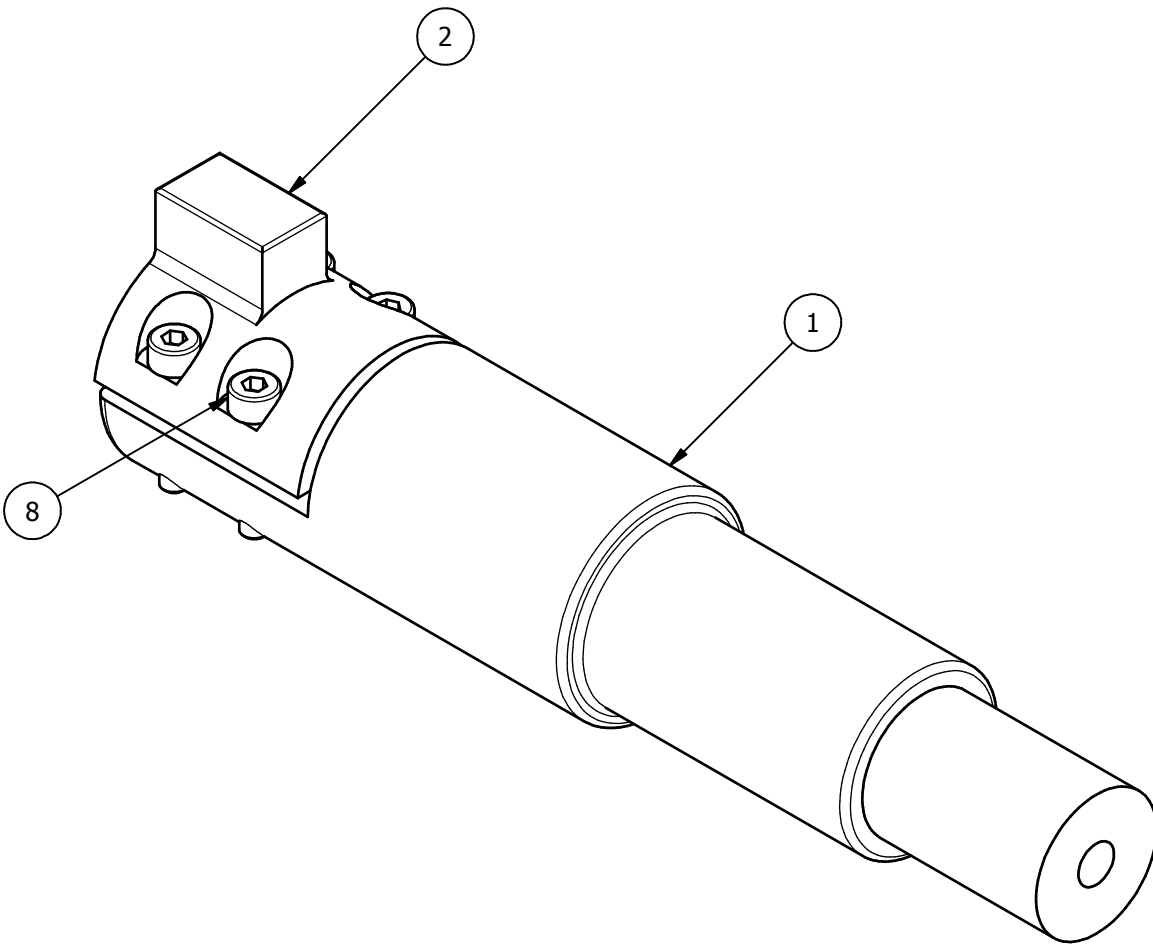
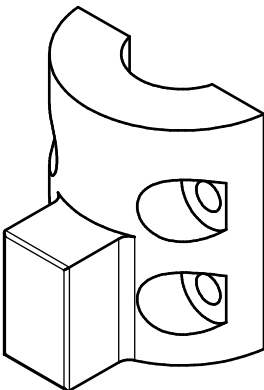
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-PROLA003	ID Ref: 1429. Prolongación Eje Motor

PIEZA DE CIERRE

PIEZA DE CIERRE DEL EJE MOTOR  
CDR-IN-V029-PROLB002 ID Ref: 1430



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-PROLB002	ID Ref: 1430. Pieza de Cierre



CDR-IN-V029-EJEMOTOR003  
SCALE 1 / 1

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-PROLA003	ID Ref: 1429. Prolongación Eje Motor
2	1	CDR-IN-V029-PROLB002	ID Ref: 1430. Pieza de Cierre
8	4	DIN 912 - M4 x 20	Cylinder Head Cap Screw

Tratamiento cincado

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK	
		Planos producción columna industrial- V029	
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-IN-29-ENS02	
		REV	SIZE A3 SHEET 11 OF 16

Technical drawing of a rectangular plate, likely a cover or end plate, showing dimensions and a central label.

**Dimensions:**

- Overall width: 140.00
- Inner width (excluding mounting holes): 90.48
- Overall height: 314.00
- Inner height (excluding mounting holes): 302.00
- Mounting hole diameter:  $\varnothing 7.20$  THRU
- Mounting hole spacing (center-to-center): 90.48
- Mounting hole spacing (edge-to-center): 34.50

**Central Label:**

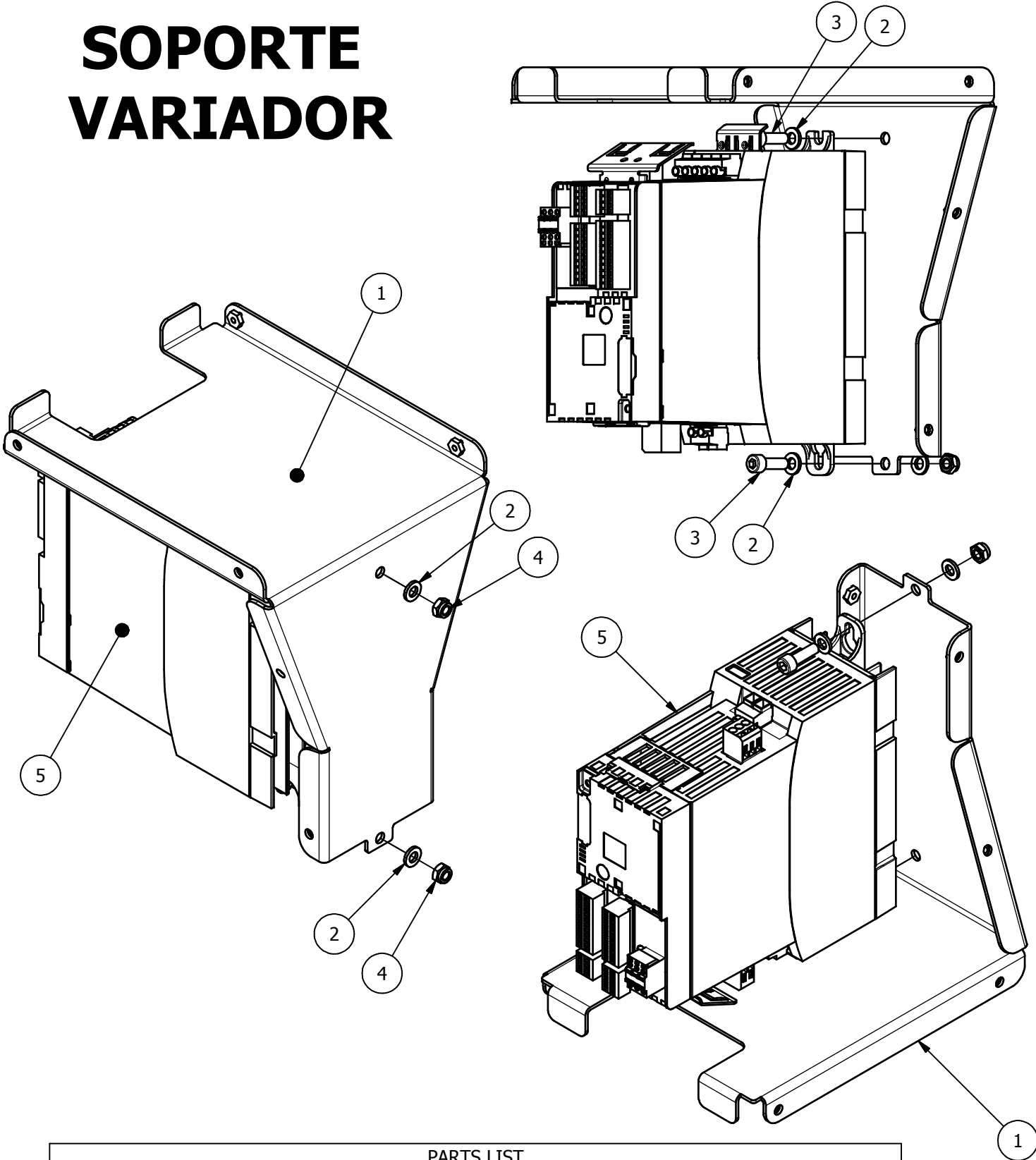
CDR-IN-V029-CPCBM001  
SCALE 1 / 2

The drawing includes a top view and a side view. The top view shows a rectangular plate with rounded corners, a central label, and four mounting holes arranged in a 2x2 grid. The side view shows the profile of the plate, which is 34.50 units thick. The plate has a central rectangular cutout with a width of 90.48 units and a height of 302.00 units. The overall dimensions are 140.00 units wide and 314.00 units high.

Pintar en negro satinado liso

DRAWN	03/10/2013	SIMUMAK		
Carlos Ruiz Madrigal		Planos producción columna industrial- V029		
CHECKED	13/11/2013	DWG NO: CDR-IN-29-ENS02		
Raúl Rodríguez G.		REV	SIZE	A3
APPROVED				

# SOPORTE VARIADOR

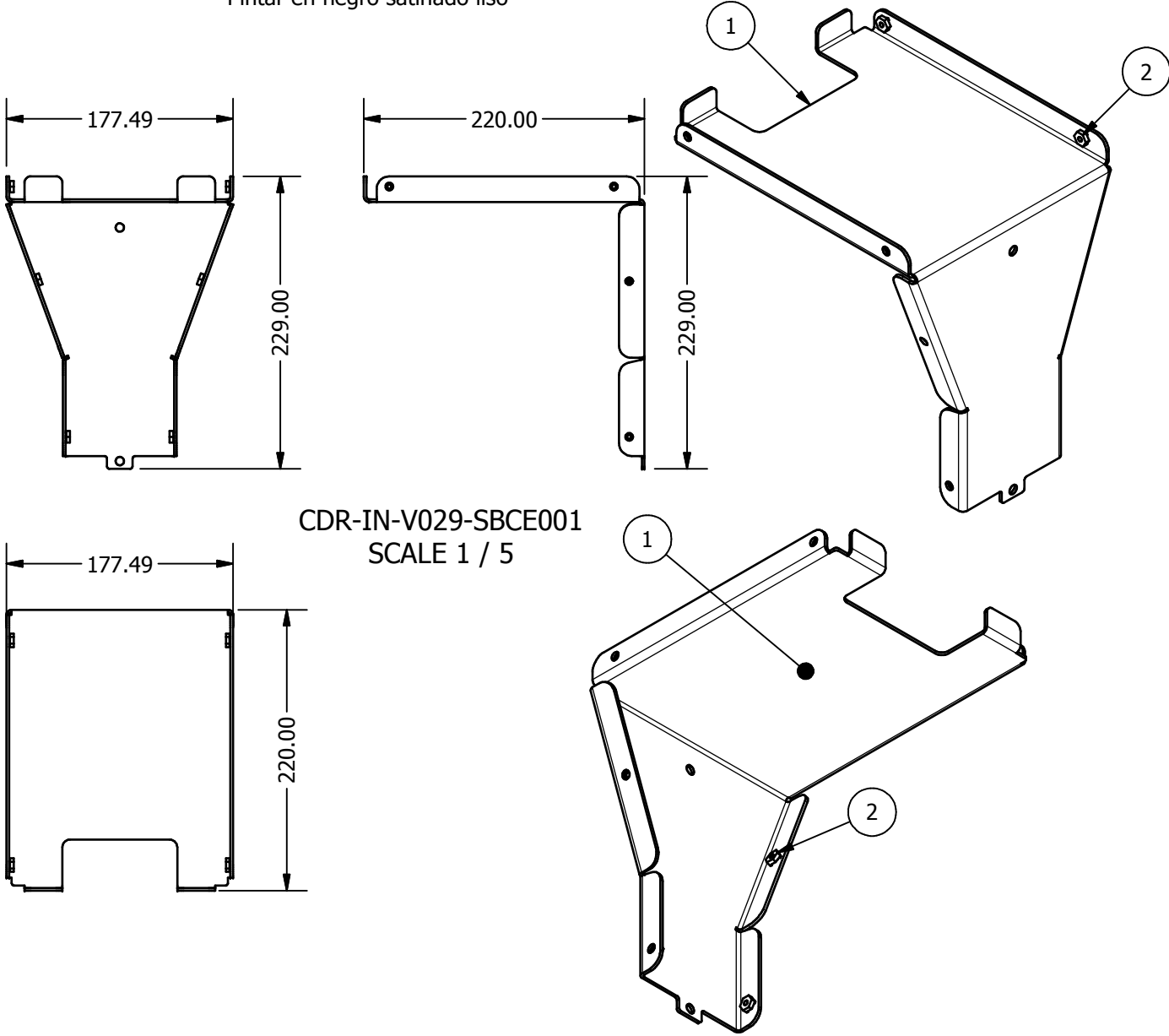


# BANDEJA DE COMPONENTES

## SOLDADURA TUERCAS A BANDEJA

CDR-IN-V029-SBCE001 ID Ref: 1432

Pintar en negro satinado liso



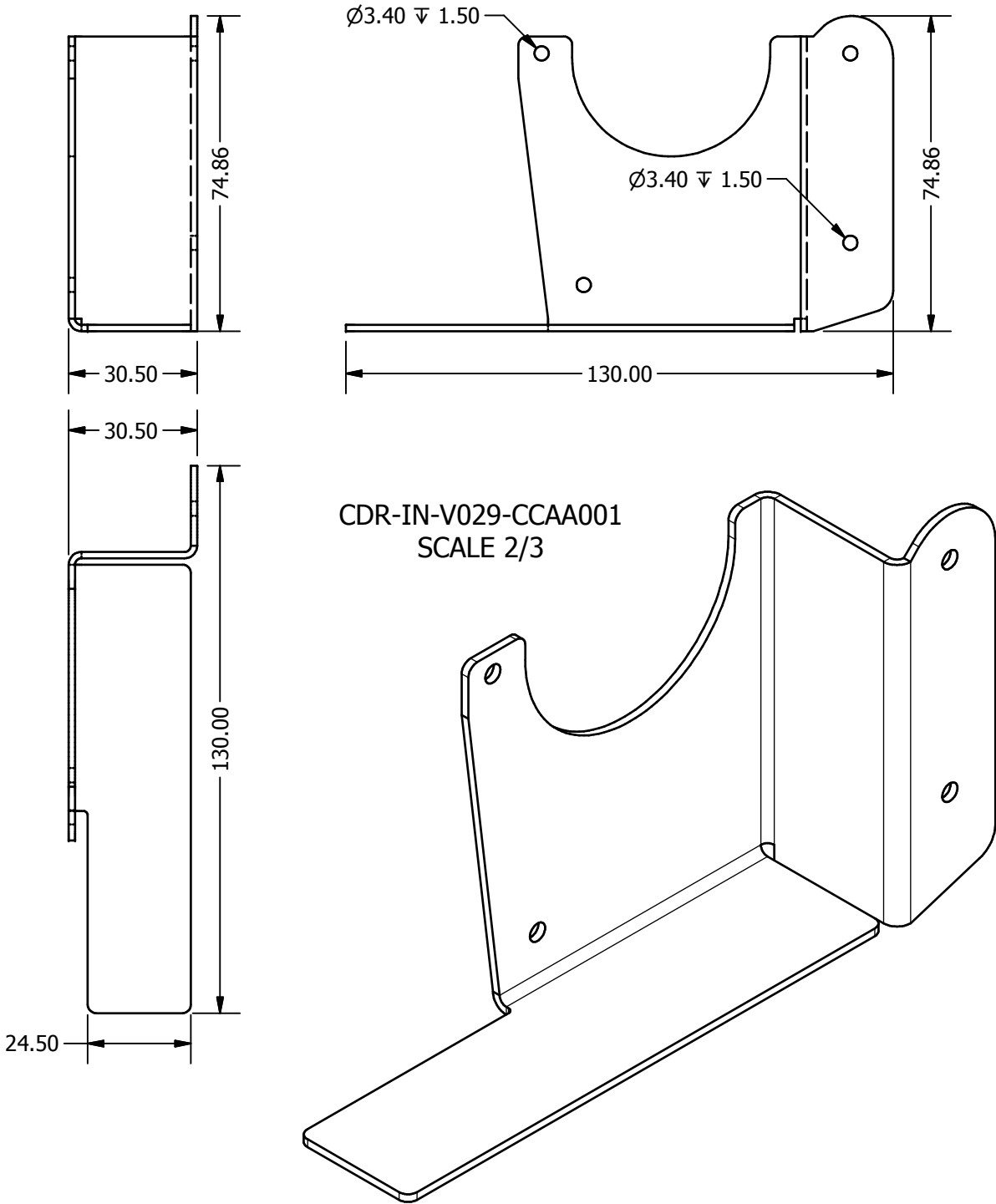
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-CVRFA001	Soporte electronica. Chapa 2 mm
2	8	DIN929 M4	Tuerca hexagonal para soldar

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-SBCE001	ID Ref: 1432. Soldadura de Tuercas a Bandeja de Componentes
2	4	DIN 125 - A 6,4	Washer
3	2	DIN 912 - M6 x 20	Cylinder Head Cap Screw
4	2	DIN 985 - M6	Hex Nut
5	1	MA 8400 VHCE	ID Ref: 18 . Variador Lenze

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK		
		Planos producción columna industrial- V029		
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-IN-29-ENS02		
		REV	SIZE A3	SHEET 13 OF 16
APPROVED				

CUBRE CABLES DERECHA

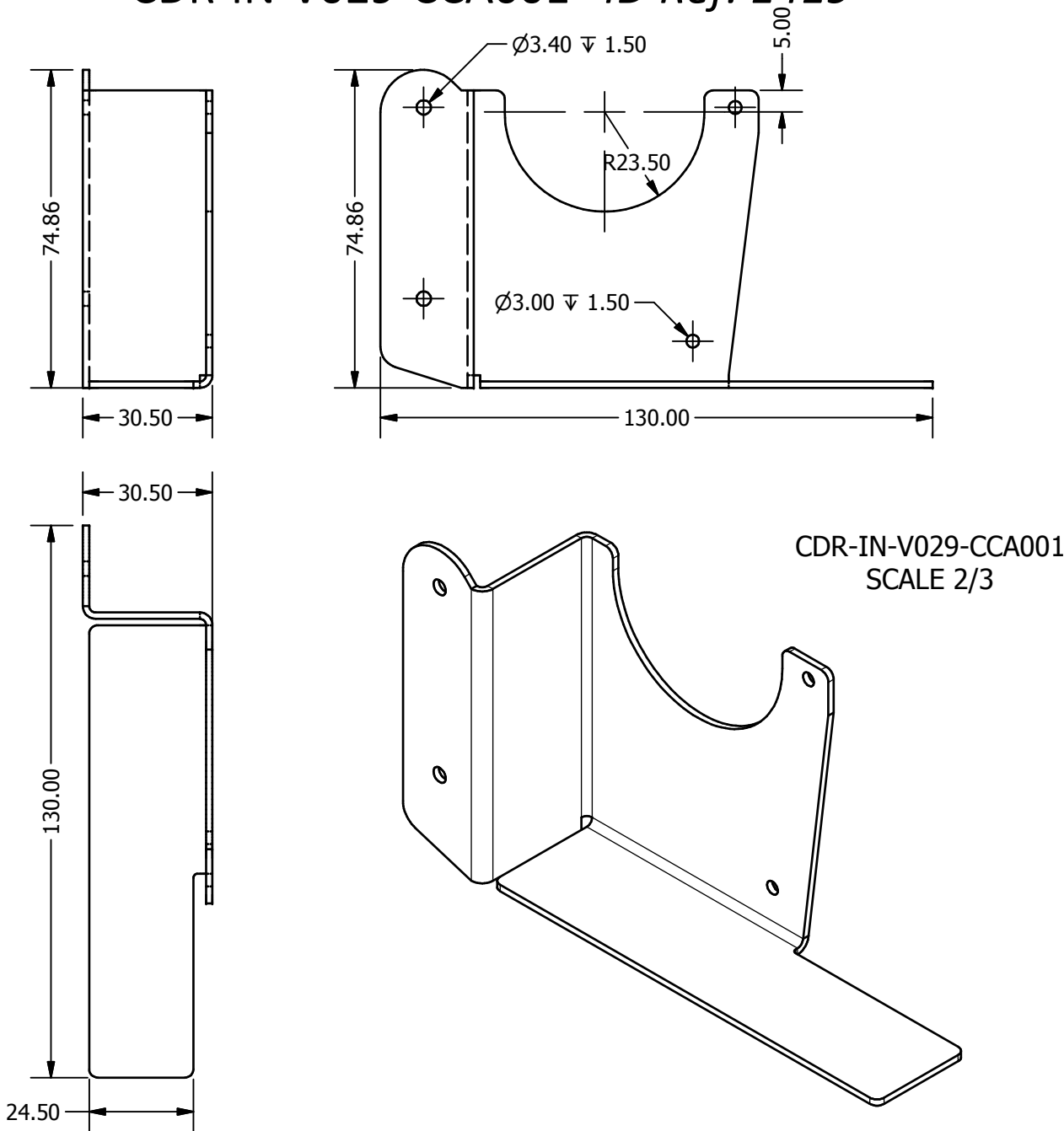
CHAPA CUBRE CABLES  
CDR-IN-V029-CCA001 ID Ref: 1419



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-CCA001	ID Ref: 1420. Chapa Cubre Cables Izquierda, espesor 1,5 mm

CUBRE CABLES DERECHA

CHAPA CUBRE CABLES  
CDR-IN-V029-CCA001 ID Ref: 1419



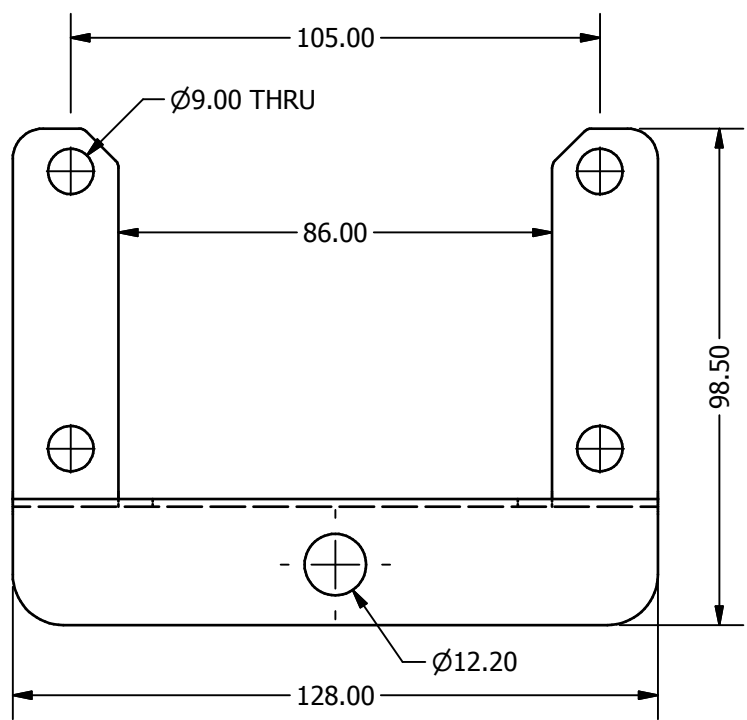
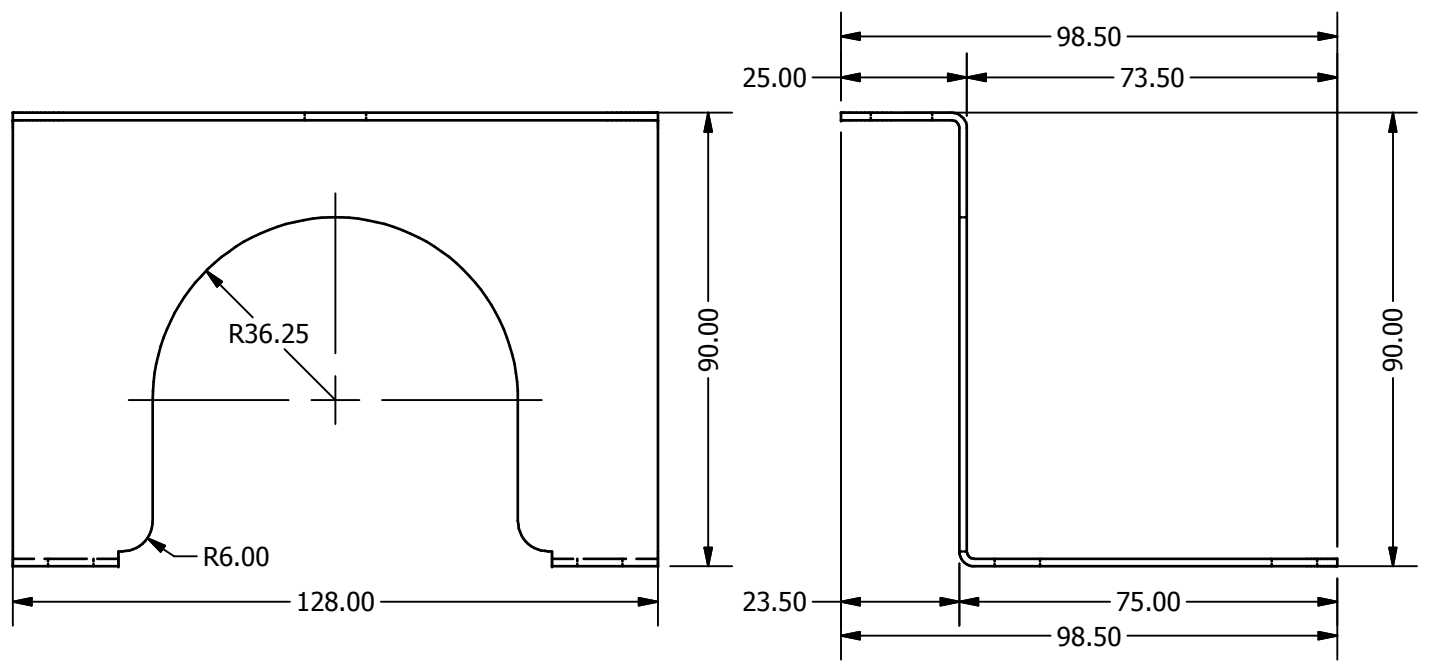
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-CCA001	ID Ref: 1419. Chapa Cubre Cables Derecha, espesor 1,5 mm

Pintar en negro satinado liso

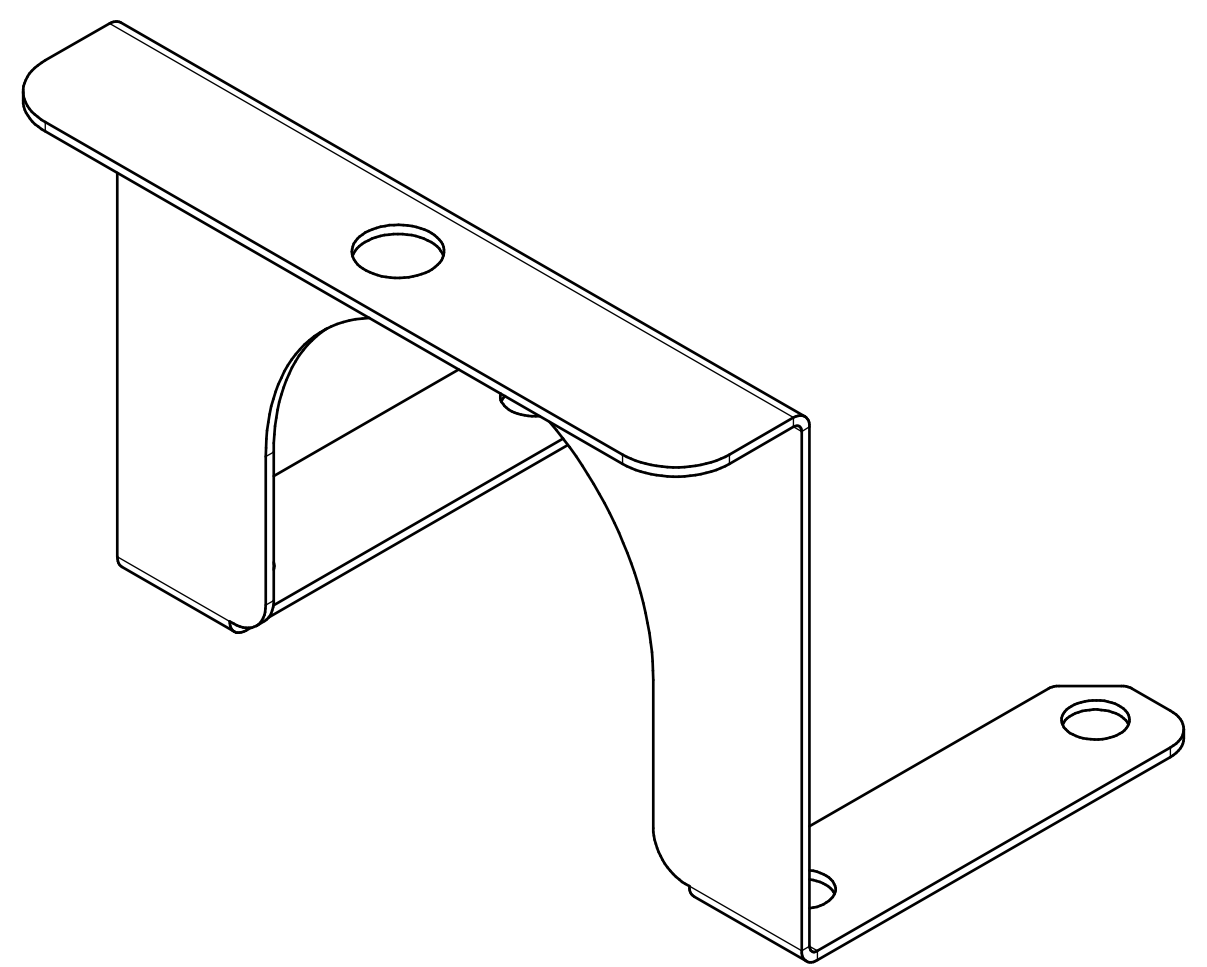
DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK		
		Planos producción columna industrial- V029		
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-IN-29-ENS02		
		REV	SIZE A3	SHEET 14 OF 16
APPROVED				

# SUJECCIÓN INDUCTIVO

CHAPA SUJECCIÓN INDUCTIVO  
CDR-IN-V027-CSI001 ID Ref: 1034



CDR-IN-V027-CSI001  
SCALE 2 : 3



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V027-CSI001	ID Ref: 1034. Chapa Sujeción Inductivo, espesor 1,5 mm

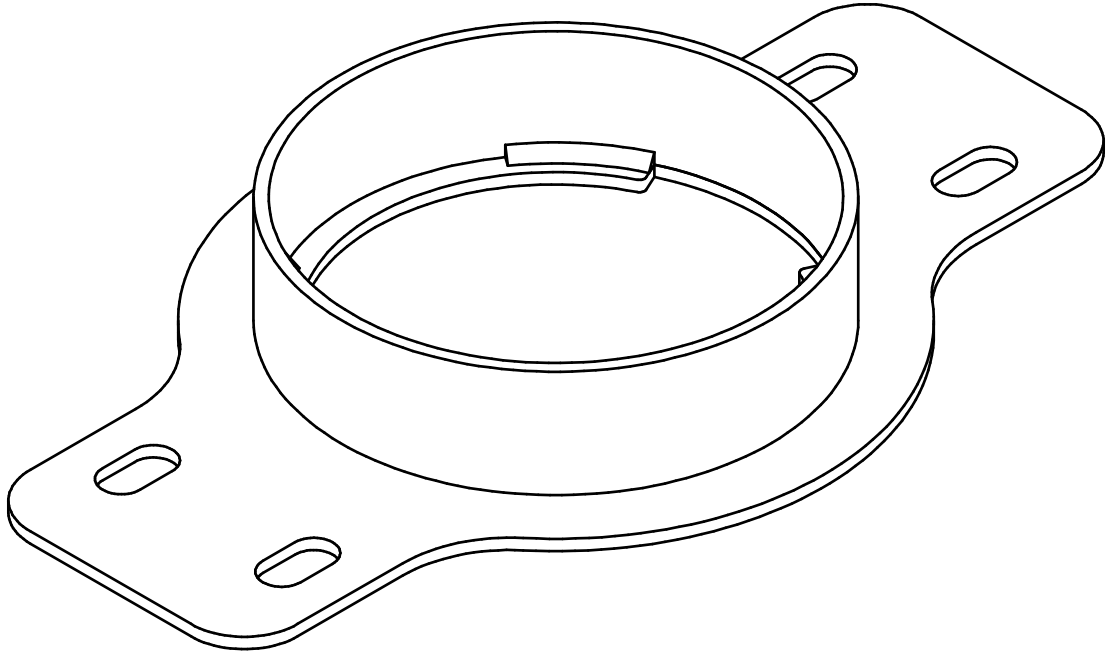
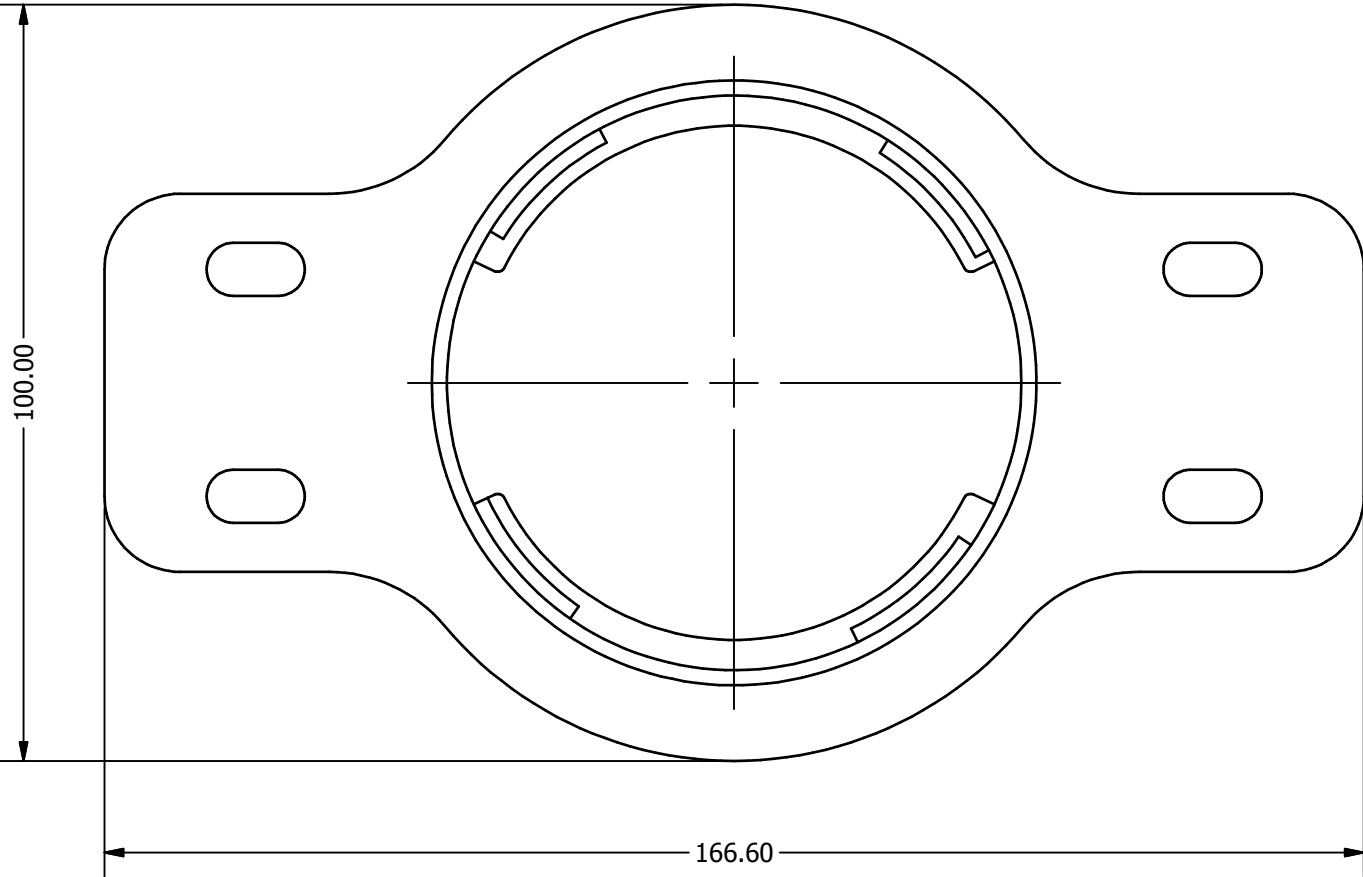
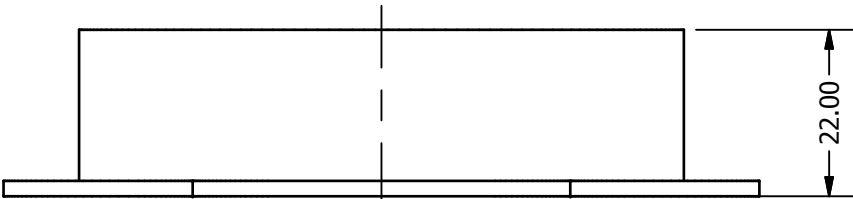
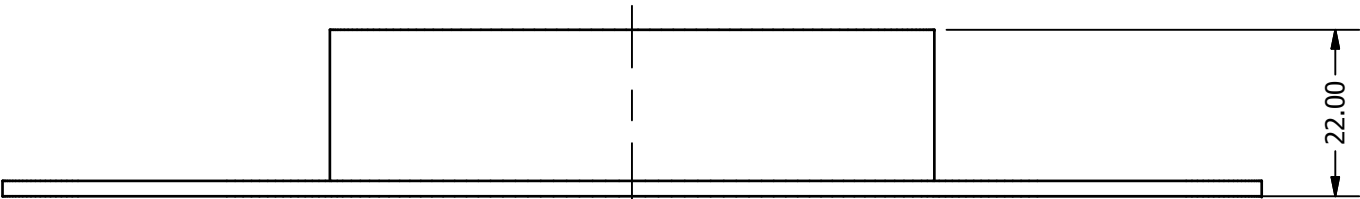
Tratamiento cincado

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK		
		Planos producción columna industrial- V029		
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-IN-29-ENS02		
APPROVED		REV	SIZE A3	SHEET 15 OF 16

EMBELLECEDOR PARTE INFERIOR VOLANTE

SOLDADURA INFERIOR VOLANTE

CDR-IN-V029-SAE003 ID Ref: 1630



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-CBA003	Chapa Soporte Tubo, espesor 2 mm
2	1	CDR-IN-V029-TBA003	Tubo Normalizado Diámetro Exterior 80 mm y espesor 2 mm

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK		
		Planos producción columna industrial- V029		
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-IN-29-ENS02		
		REV	SIZE A3	SHEET 16 OF 16
APPROVED				