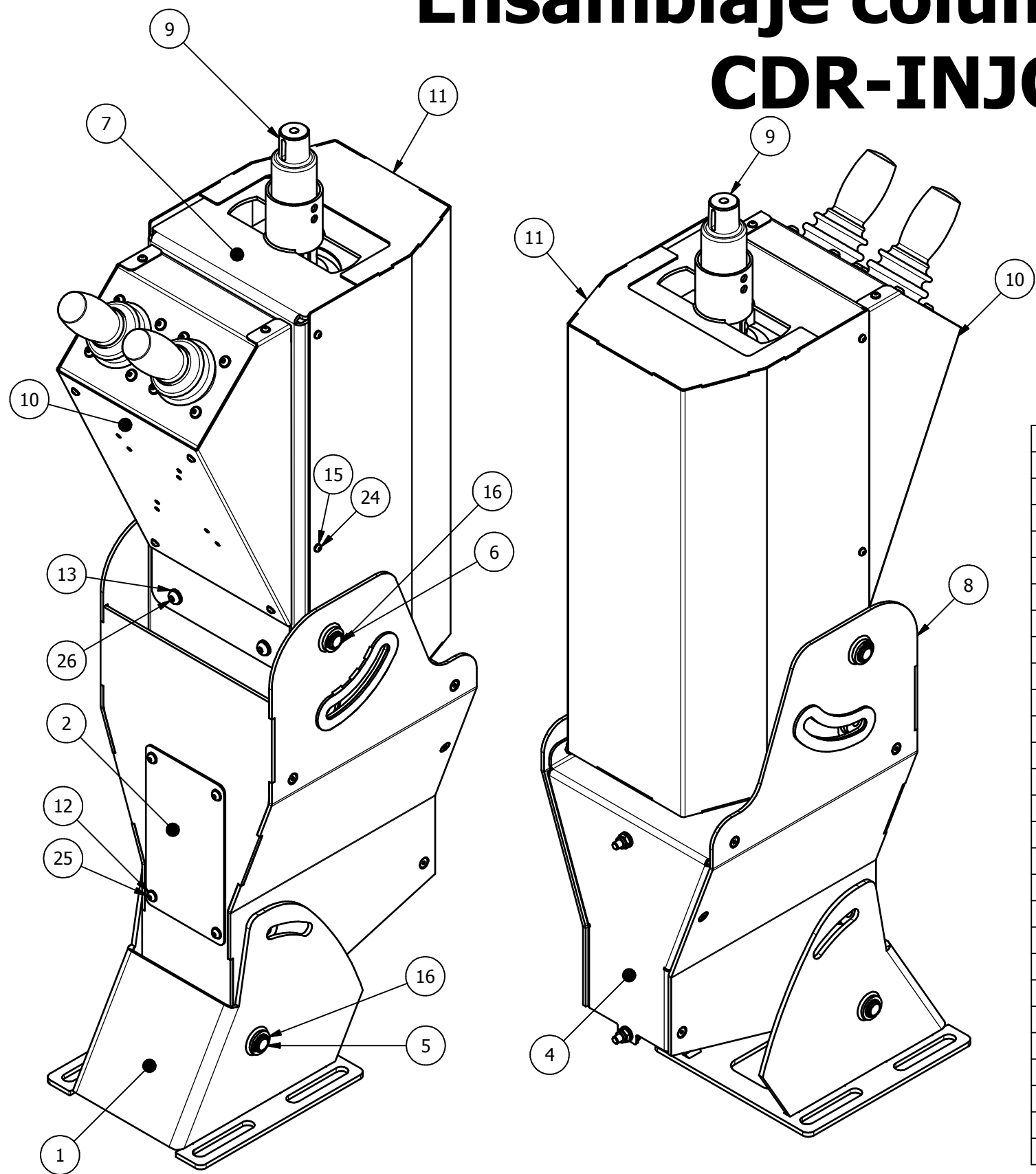


Ensamblaje columna de dirección

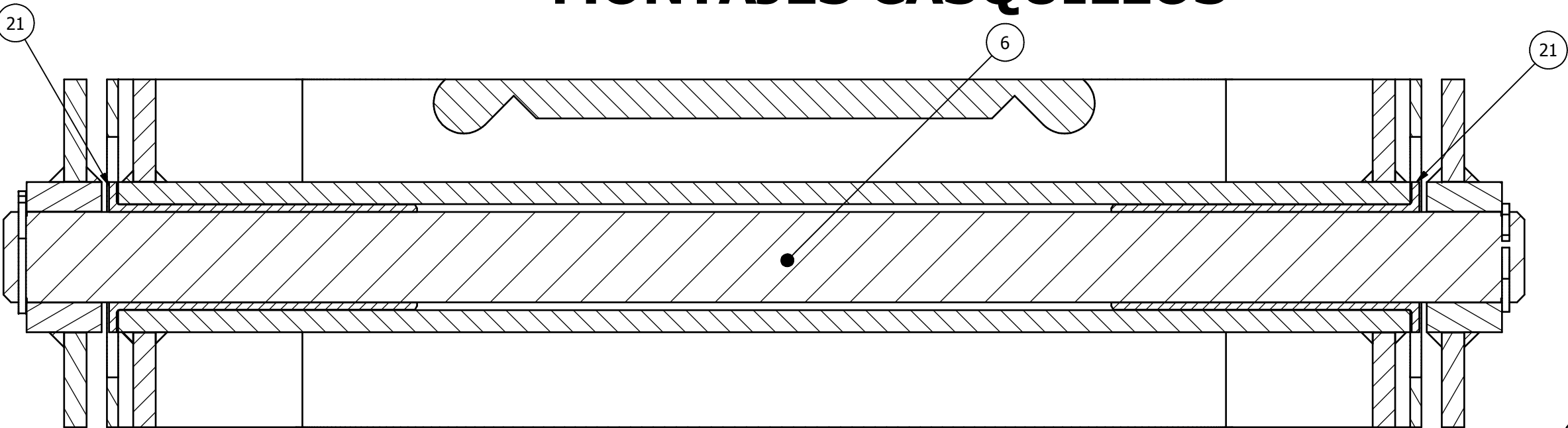
CDR-INJOY-V029



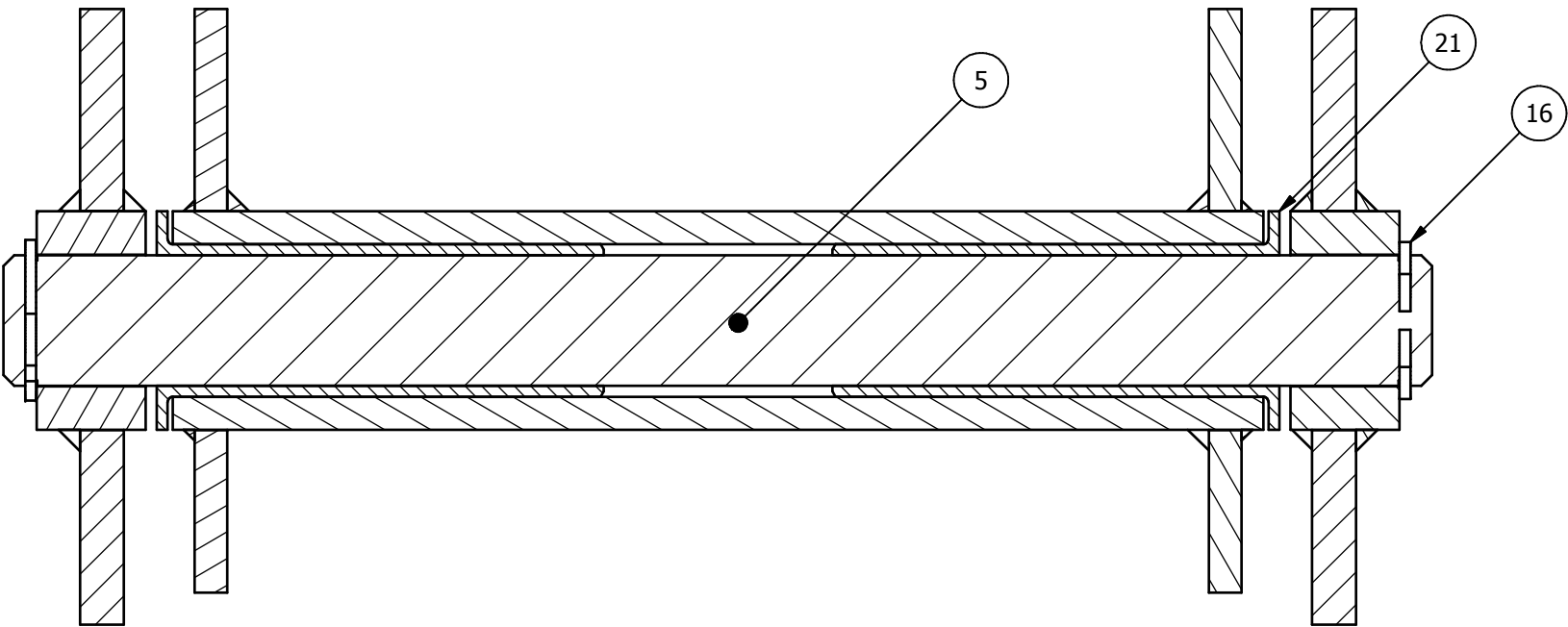
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-BASE001	ID Ref: 1421. Soldadura Base Columna Dirección
2	1	CDR-IN-V029-CFREG001	ID Ref: 1029. Tapa Falsa Acceso Variador, espesor 1,5 mm
3	1	CDR-IN-V029-CSI001	ID Ref: 1034. Chapa Sujeción Inductivo, espesor 1,5 mm
4	1	CDR-IN-V029-ECE001	Distribución Componentes Electrónicos
5	1	CDR-IN-V029-EJEI001	ID Ref: 1423. Eje mecanizado, diámetro exterior 12 mm
6	1	CDR-IN-V029-EJES001	ID Ref: 1425. Eje Cuerpo Motor, diámetro 12 mm
7	1	CDR-IN-V029-SSM001	ID Ref: 1424. Soldadura Piezas Soporte Motor
8	1	CDR-IN-V029-STC001	ID Ref 1422. Soldadura Torreta Principal
9	1	CDR-INJOY-V029-EJE001	Conjunto extensor columna dirección y hierro del inductivo
10	1	CDR-INJOY-V029-EPY001	Ensamblaje Elemento con Joysticks
11	1	CDR-INJOY-V029-SCCM001	ID Ref: 1739. Soldadura Cubre-Motor
12	4	DIN 125 - A 4,3	Washer
13	4	DIN 125 - A 6,4	Washer
14	8	DIN 125 - A 8,4	Washer
15	4	DIN 127 - A 3	Spring Washer
16	4	DIN 471 - 12x1	Retaining rings for shaft
18	6	DIN 7991 - M4 x 12	Countersunk Screw
19	4	DIN 912 - M8 x 35	Cylinder Head Cap Screw
20	4	DIN 985 - M8	Hex Nut
21	4	GFM-1214-40	GFM
22	1	GST04 1M VBR 063 C42 TERMINAL BOX DOWN	Motor-Reductor
23	4	Harrison Spring Steel Cage Nut M6 9563	Tuerca jaula M6 para chapa 2.8-3.5
24	4	DIN 7380 - M3 x 8 P	Hexagon Socket Button Head Screw - PAVONADO
25	4	DIN 7380 - M4 x 8 P	Hexagon Socket Button Head Screw - PAVONADO
26	4	DIN 7380 - M6 x 16 P	Hexagon Socket Button Head Screw - PAVONADO
27	2	DIN 7991 - M4x12	Tornillos de cabeza avellanada con hueco hexagonal

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK		
		Planos producción columna industrial- V029		
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-INJOY-29-ENS01		
		REV	SIZE A3	SHEET 1 OF 13
APPROVED				

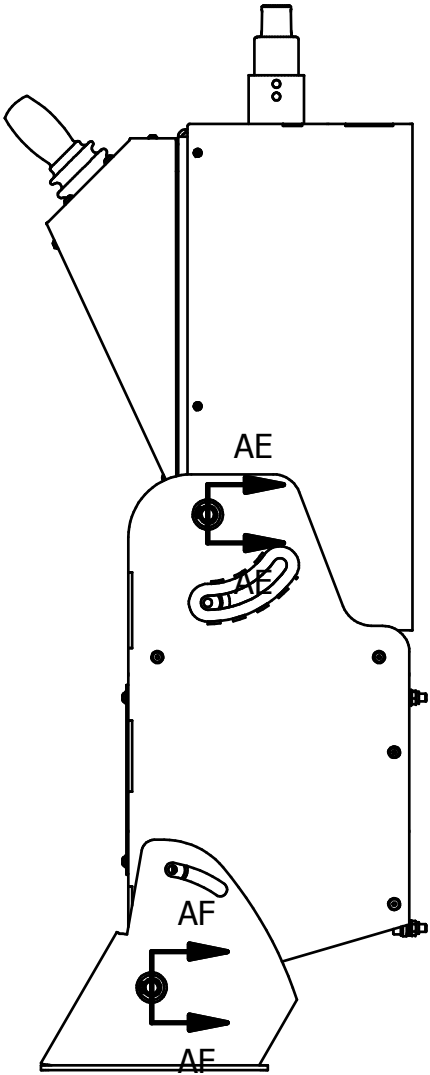
MONTAJES CASQUILLOS



SECTION AE-AE
SCALE 3 / 2



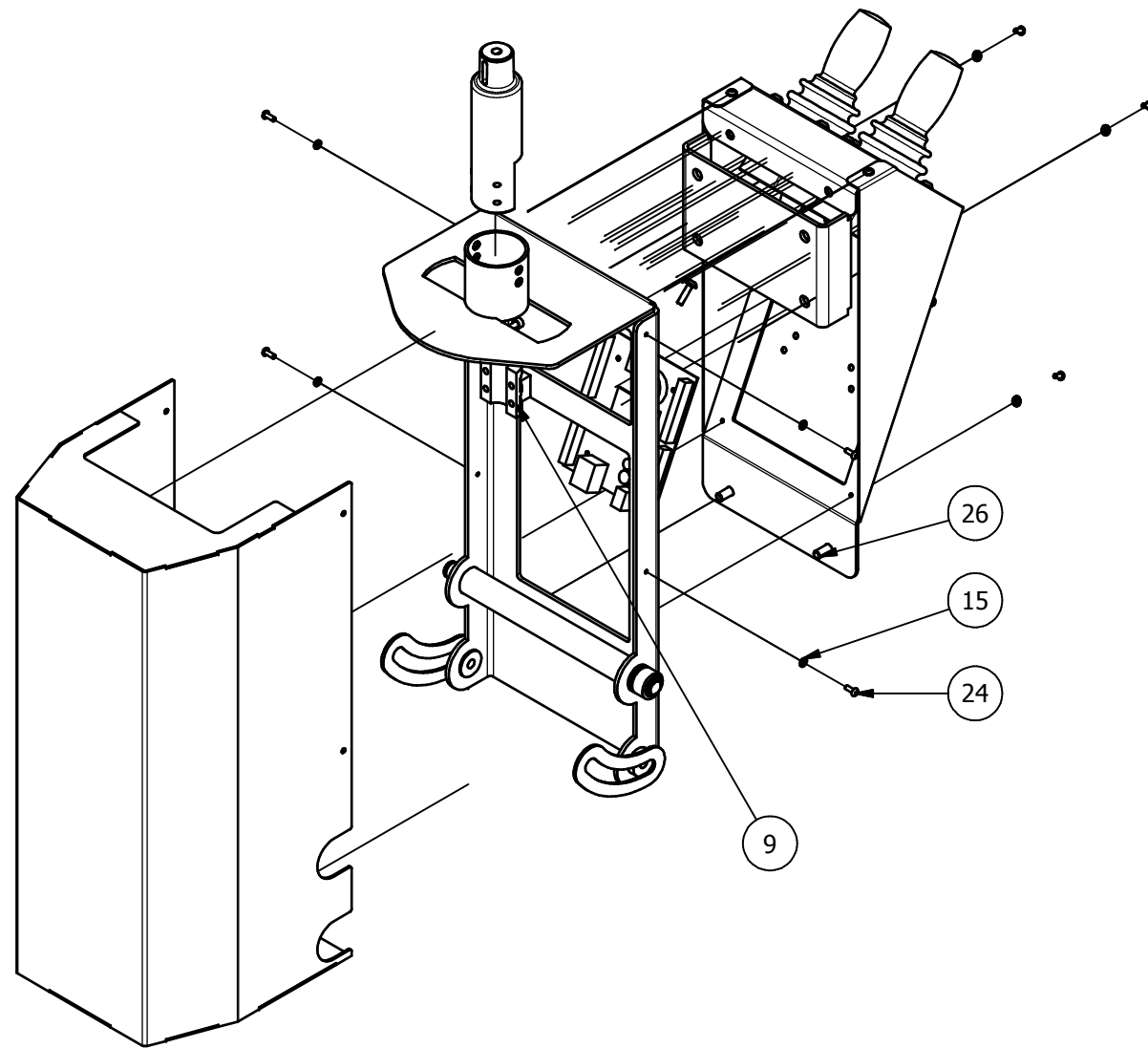
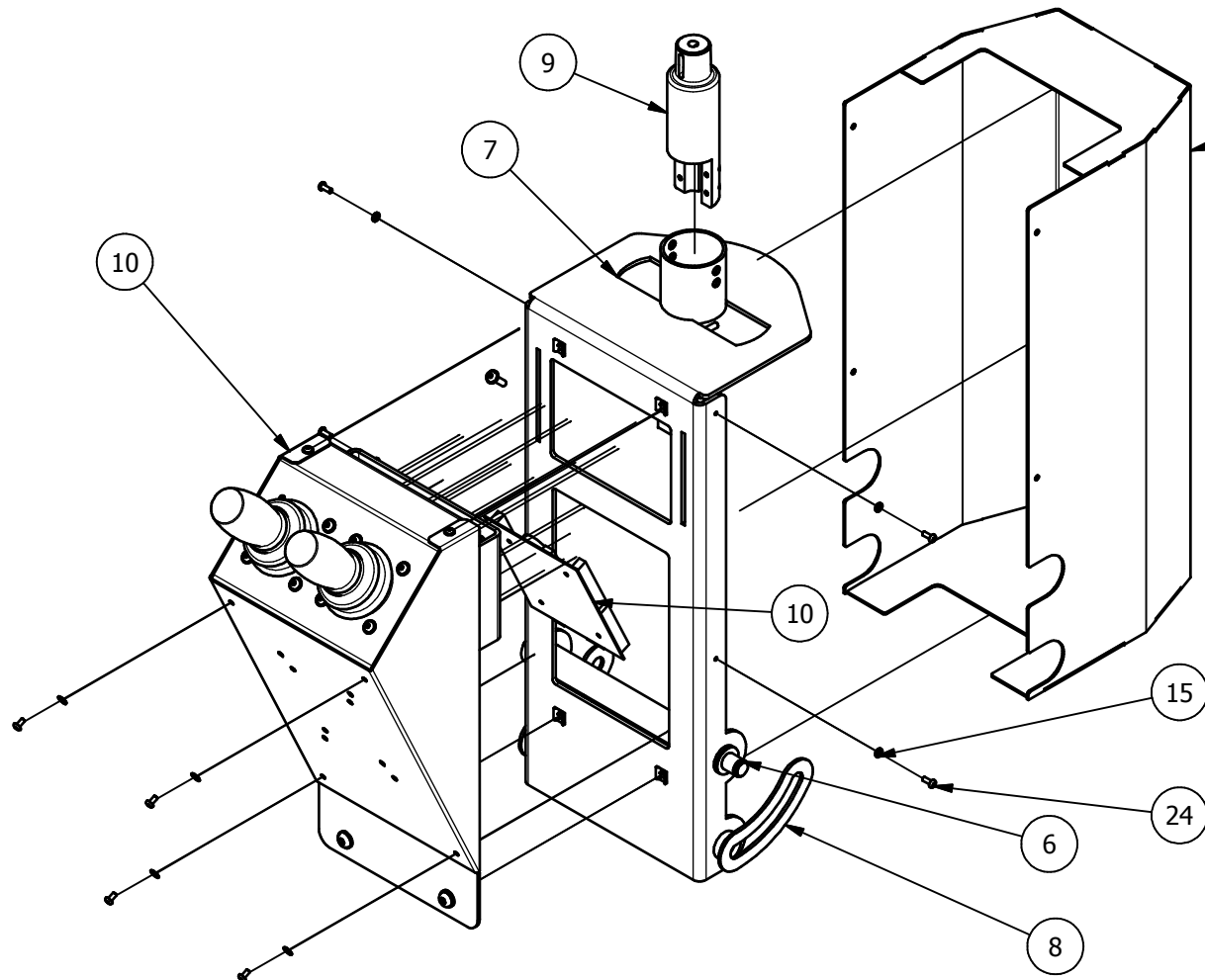
SECTION AF-AF
SCALE 3 / 2



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
5	1	CDR-IN-V029-EJEI001	ID Ref: 1423. Eje mecanizado, diámetro exterior 12 mm
6	1	CDR-IN-V029-EJES001	ID Ref: 1425. Eje Cuerpo Motor, diámetro 12 mm
16	4	DIN 471 - 12x1	Retaining rings for shaft
21	4	GFM-1214-40	GFM
27	2	DIN 7991 - M4x12	Tornillos de cabeza avellanada con hueco hexagonal

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK	
		Planos producción columna industrial- V029	
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-INJOY-29-ENS01	
APPROVED		REV	SIZE A3
		SHEET 2 OF 13	

MONTAJE CUERPO MOTOR



PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-BASE001	ID Ref: 1421. Soldadura Base Columna Dirección
2	1	CDR-IN-V029-CFREG001	ID Ref: 1029. Tapa Falsa Acceso Variador, espesor 1,5 mm
3	1	CDR-IN-V029-CSI001	ID Ref: 1034. Chapa Sujeción Inductivo, espesor 1,5 mm
4	1	CDR-IN-V029-ECE001	Distribución Componentes Electrónicos
5	1	CDR-IN-V029-EJEI001	ID Ref: 1423. Eje mecanizado, diámetro exterior 12 mm
6	1	CDR-IN-V029-EJES001	ID Ref: 1425. Eje Cuerpo Motor, diámetro 12 mm
7	1	CDR-IN-V029-SSM001	ID Ref: 1424. Soldadura Piezas Soporte Motor
8	1	CDR-IN-V029-STC001	ID Ref 1422. Soldadura Torreta Principal
9	1	CDR-INJOY-V029-EJE001	Conjunto extensor columna dirección y hierro del inductivo
10	1	CDR-INJOY-V029-EPY001	Ensamblaje Elemento con Joysticks
11	1	CDR-INJOY-V029-SCCM001	ID Ref: 1739. Soldadura Cubre-Motor
12	4	DIN 125 - A 4,3	Washer
13	4	DIN 125 - A 6,4	Washer
14	8	DIN 125 - A 8,4	Washer
15	4	DIN 127 - A 3	Spring Washer
16	4	DIN 471 - 12x1	Retaining rings for shaft
24	4	DIN 7380 - M3 x 8 P	Hexagon Socket Button Head Screw - PAVONADO
25	4	DIN 7380 - M4 x 8 P	Hexagon Socket Button Head Screw - PAVONADO
26	4	DIN 7380 - M6 x 16 P	Hexagon Socket Button Head Screw - PAVONADO
18	6	DIN 7991 - M4 x 12	Countersunk Screw
27	2	DIN 7991 - M4x12	Tornillos de cabeza avellanada con hueco hexagonal
19	4	DIN 912 - M8 x 35	Cylinder Head Cap Screw
20	4	DIN 985 - M8	Hex Nut
21	4	GFM-1214-40	GFM
22	1	GST04 1M VBR 063 C42 TERMINAL BOX DOWN	Motor-Reductor
23	4	Harrison Spring Steel Cage Nut M6 9563	Tuerca jaula M6 para chapa 2.8-3.5

DRAWN	03/10/2013	SIMUMAK	
Carlos Ruiz Madrigal		Planos producción columna industrial- V029	
CHECKED	13/11/2013	DWG NO: CDR-INJOY-29-ENS01	
Raúl Rodríguez G.		REV	
APPROVED		SIZE	SHEET 3 OF 13
		A3	

BASE COLUMNA

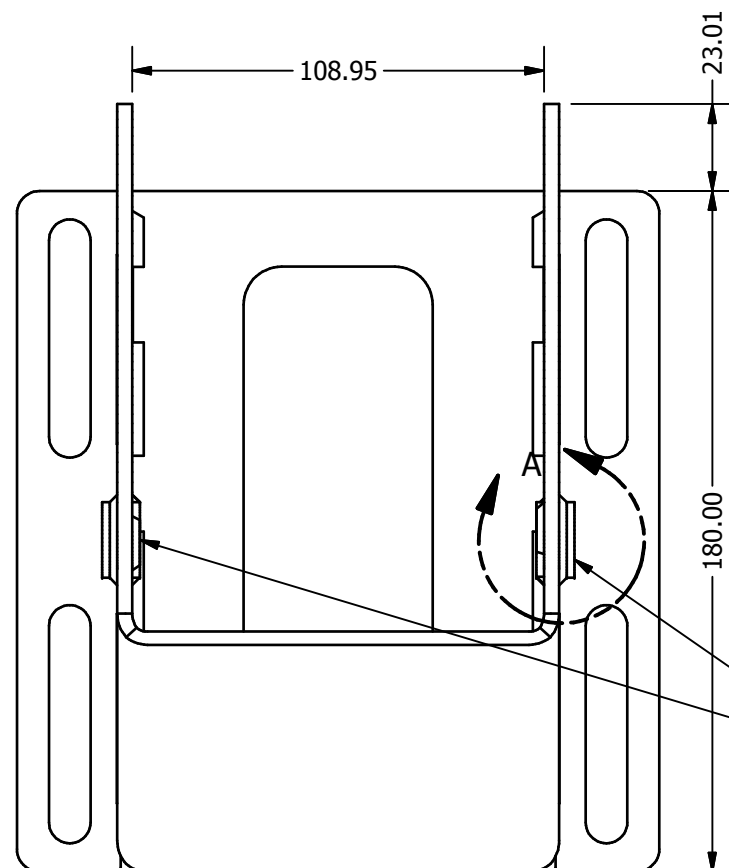
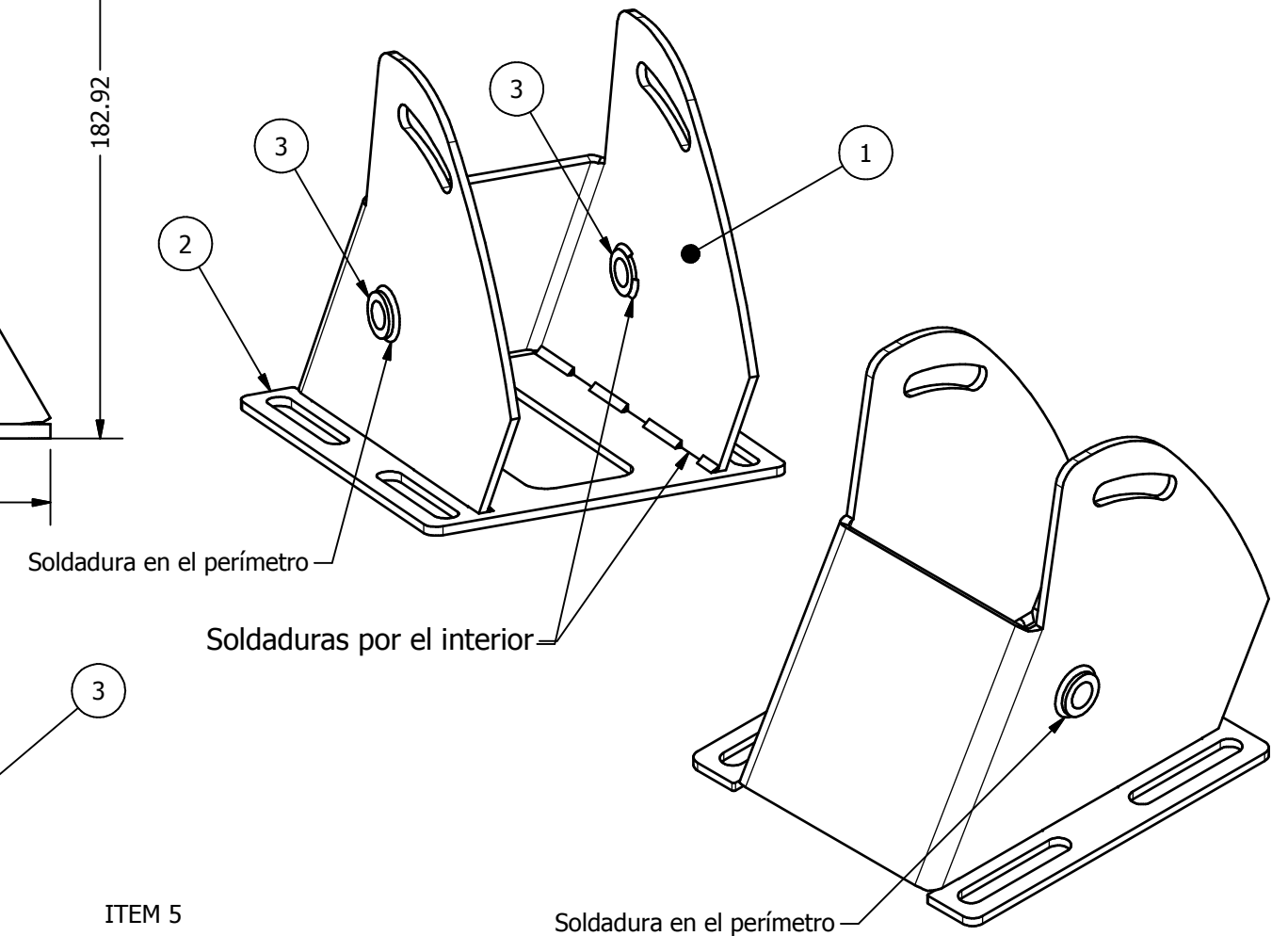
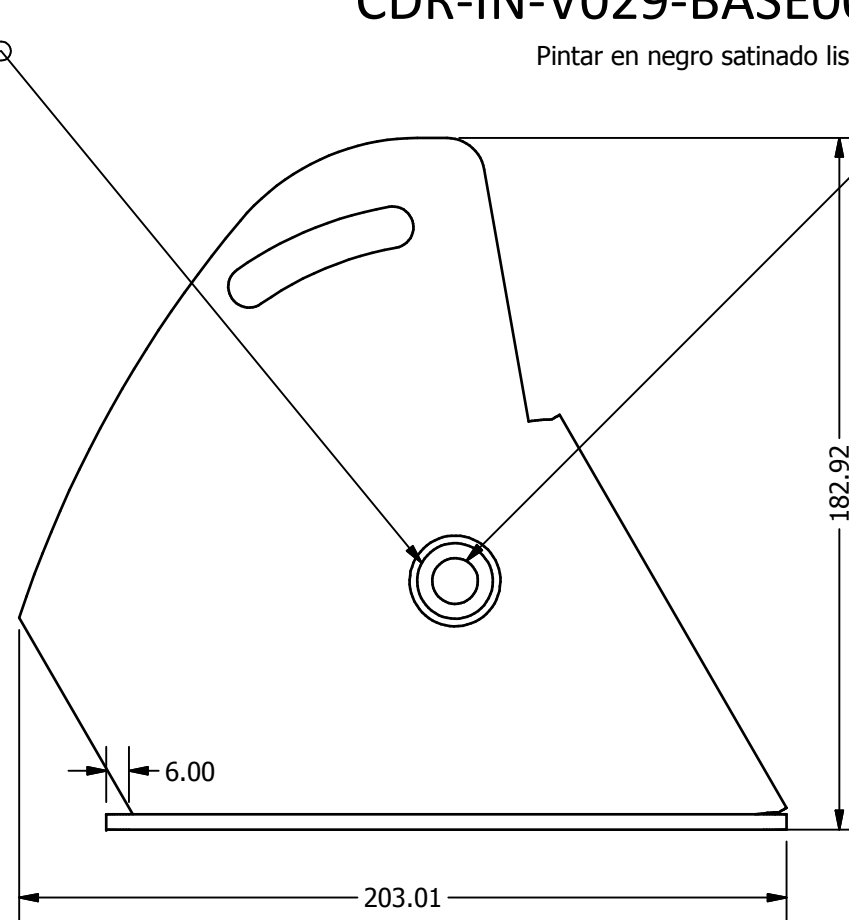
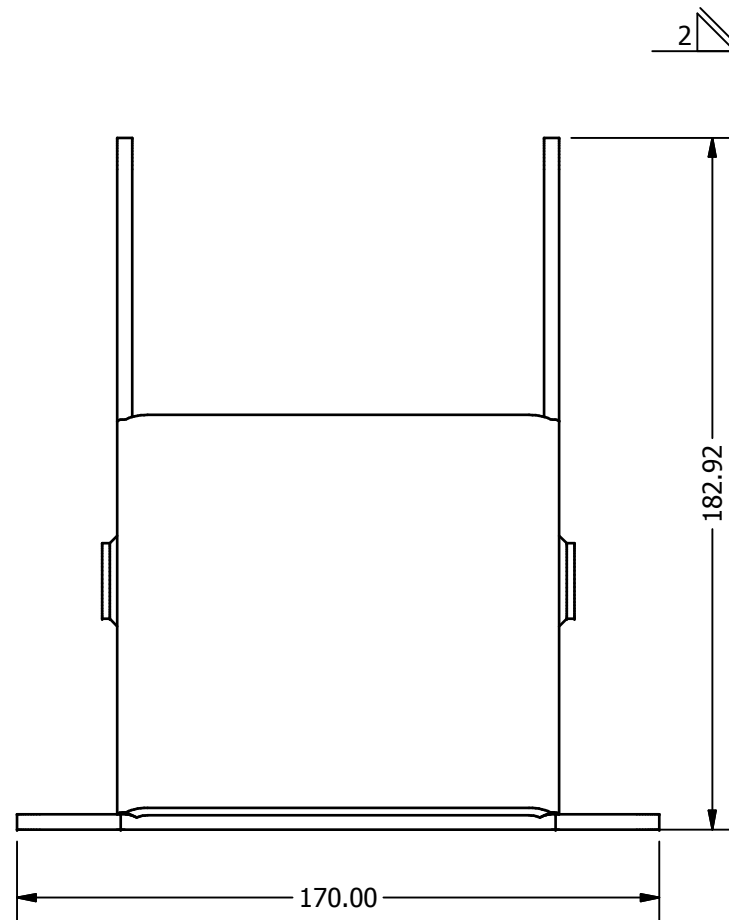
SOLDADURA BASE COLUMNA DIRECCIÓN

CDR-IN-V029-BASE001 ID Ref: 1421

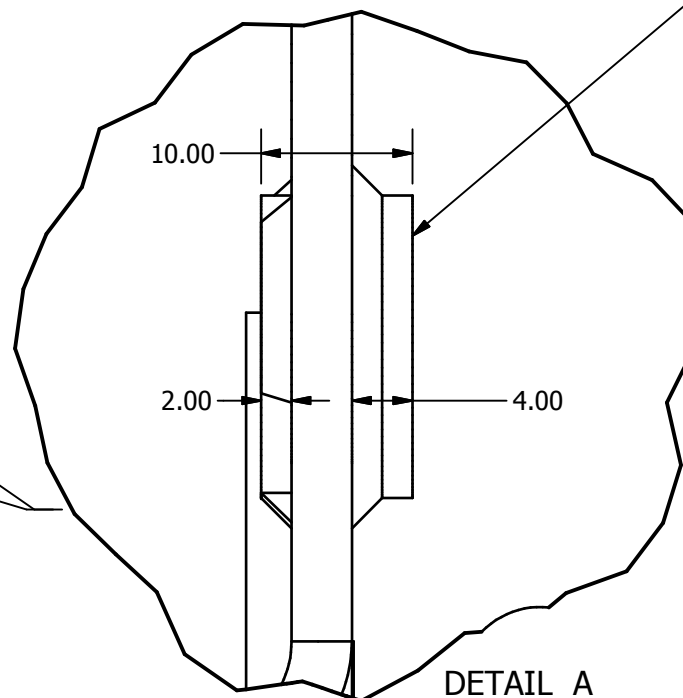
Pintar en negro satinado liso

IMPORTANTE:

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



CDR-IN-V029-BASE001
SCALE 1 : 2

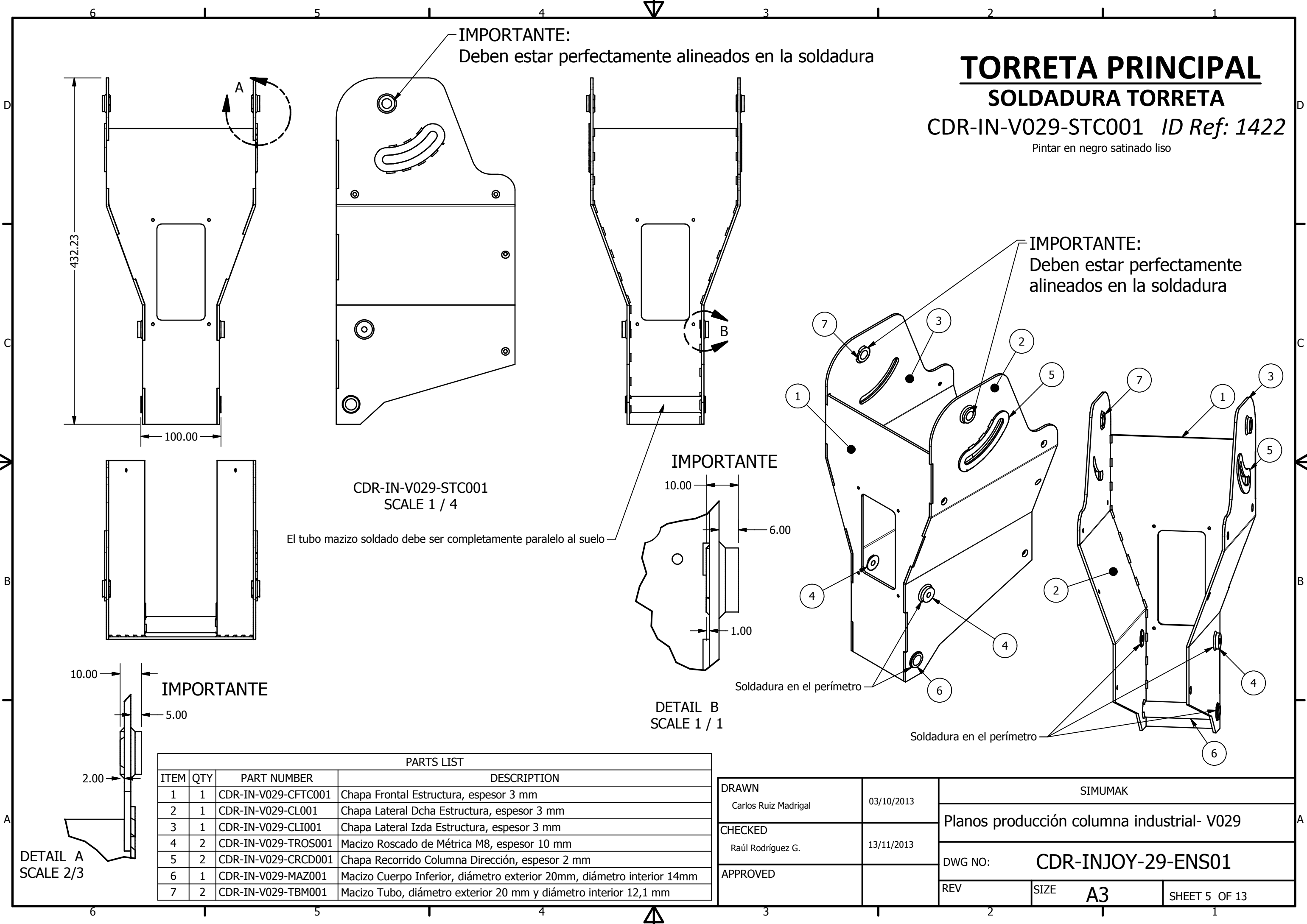


DETAIL A
SCALE 2: 1

ITEM 5

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 12,1 mm

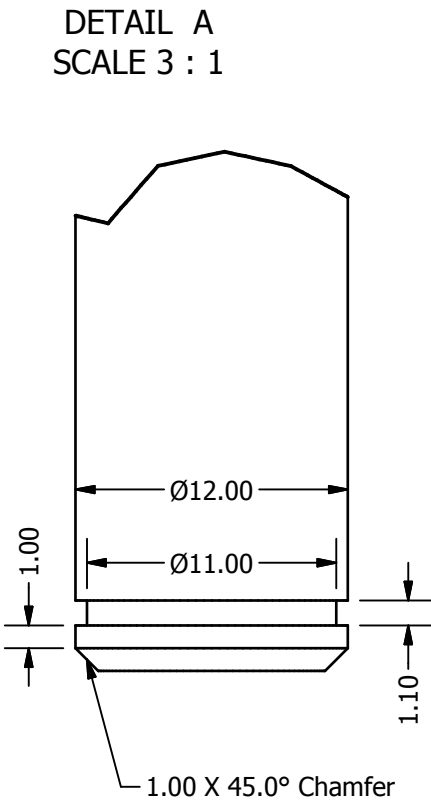
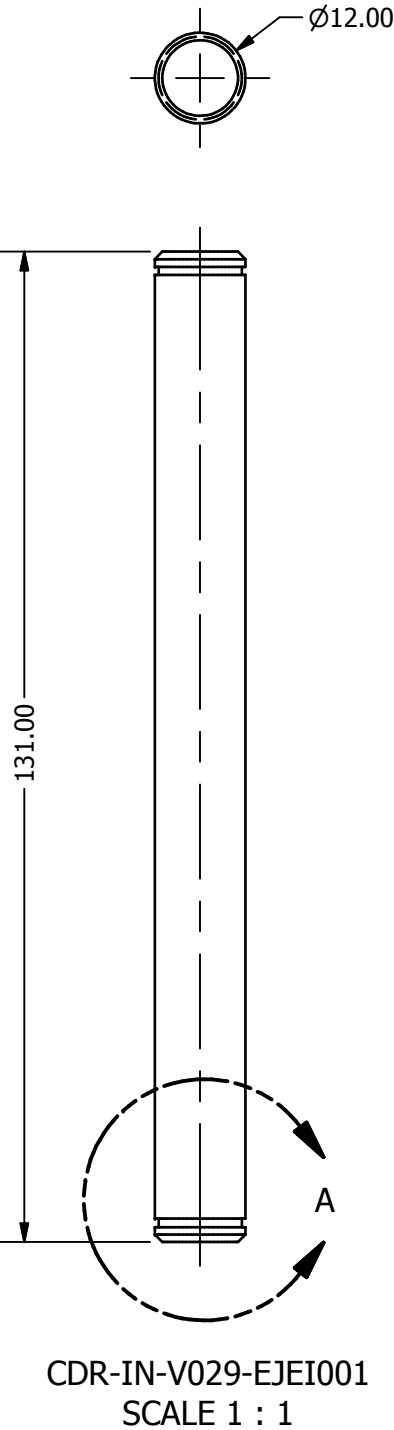
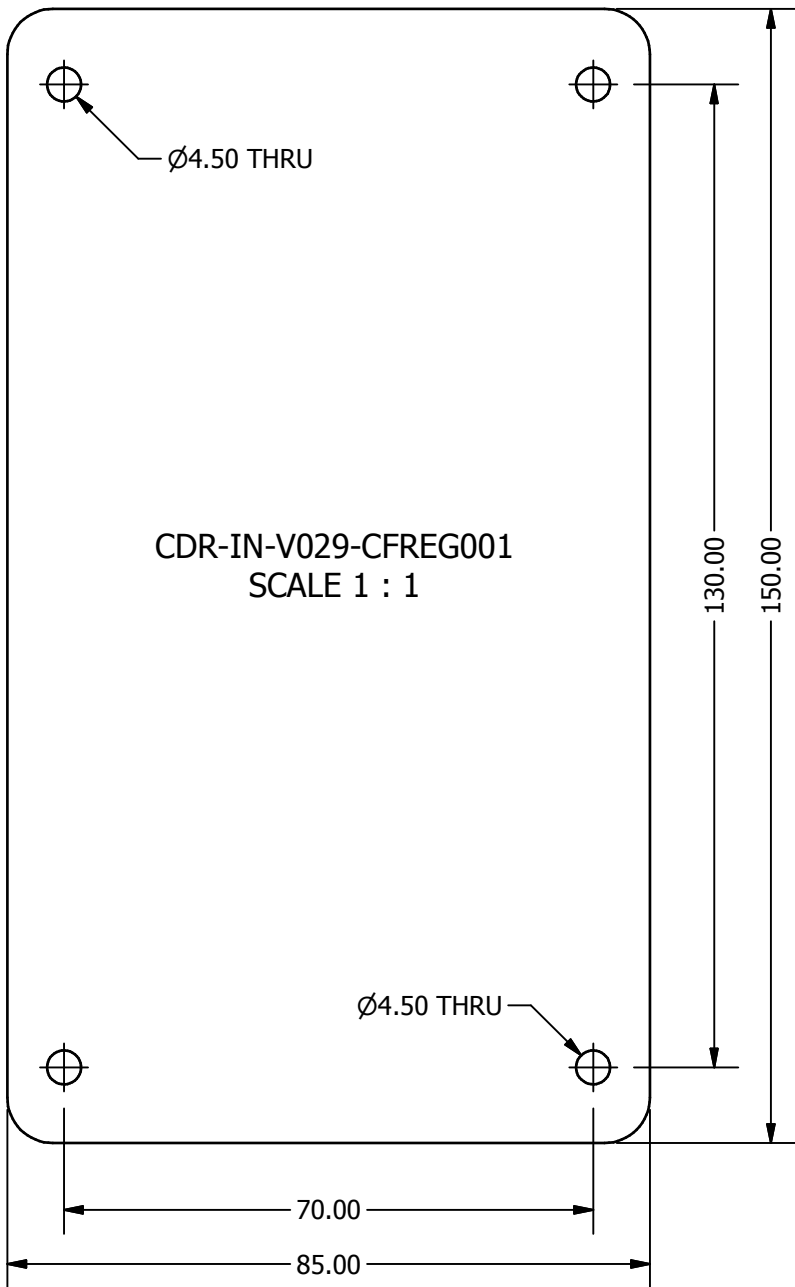
DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK		
		Planos producción columna industrial- V029		
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-INJOY-29-ENS01		
		REV	SIZE A3	SHEET 4 OF 13
APPROVED				



TAPA ACCESO VARIADOR

CHAPA FALSA ACCESO VARIADOR

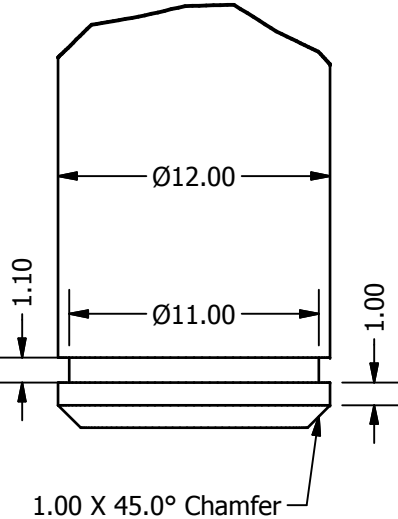
CDR-IN-V029-CFREG001 ID Ref: 1029



CDR-IN-V029-EJES001

SCALE 1 / 1

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

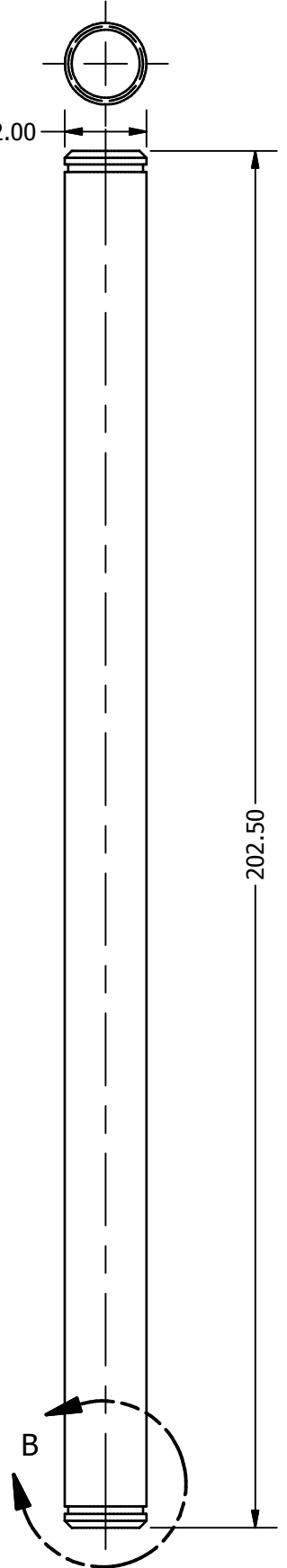


DETAIL B

SCALE 3 : 1

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

Tratamiento cincado negro



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-CFREG001	ID Ref: 1029. Tapa Falsa Acceso Variador, espesor 1,5 mm

Pintar en negro satinado liso

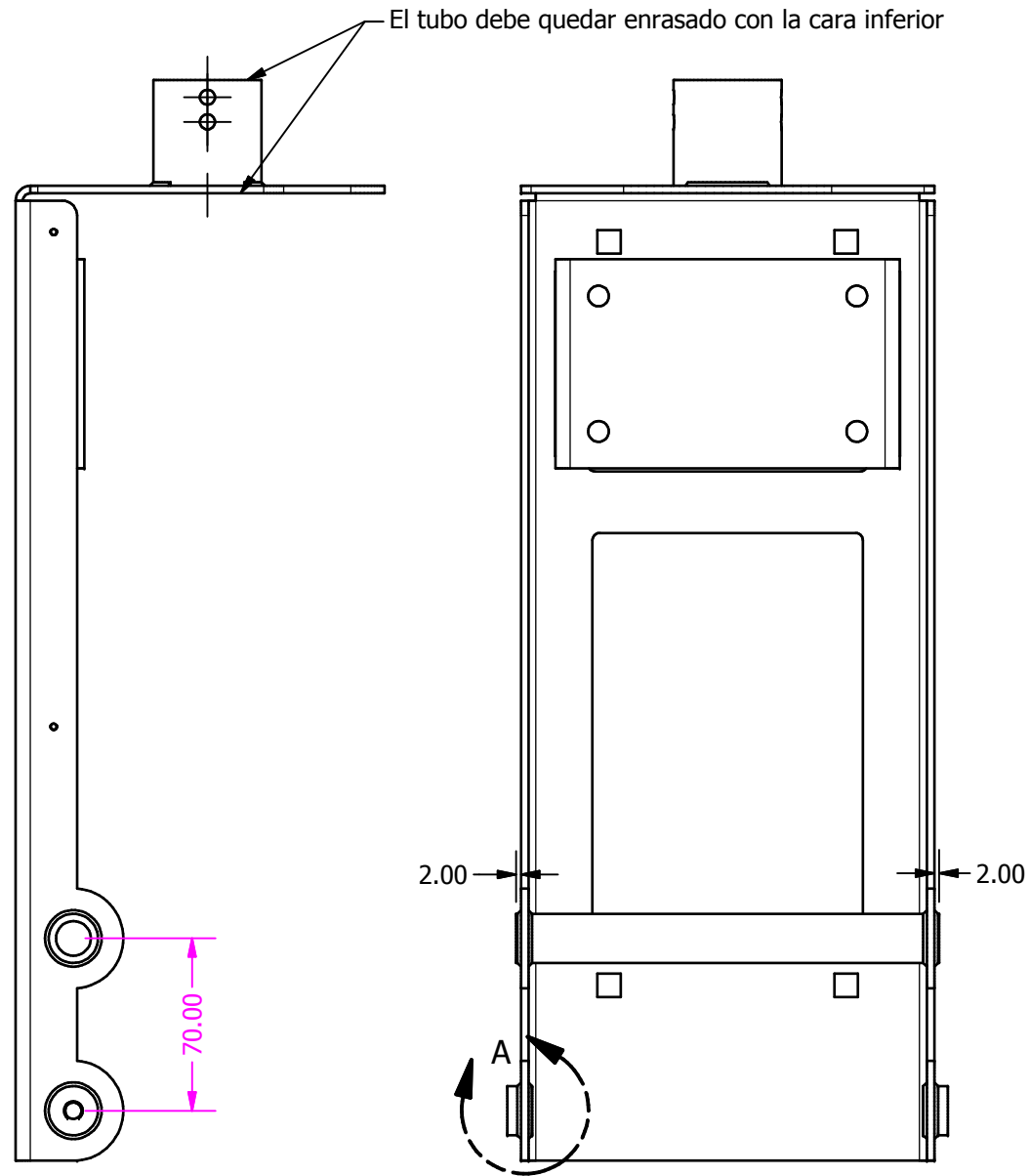
DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK	
		Planos producción columna industrial- V029	
		DWG NO: CDR-INJOY-29-ENS01	
CHECKED Raúl Rodríguez G.	13/11/2013	REV	SIZE A3
APPROVED			SHEET 6 OF 13

PIEZA SOPORTE MOTOR

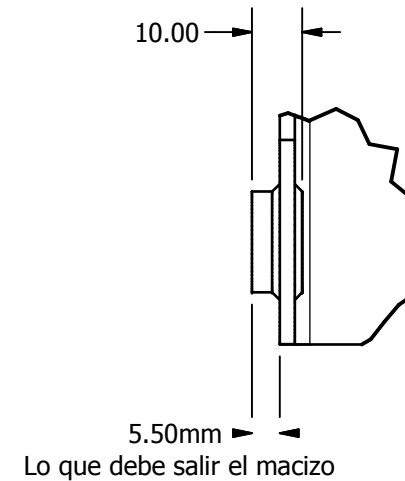
SOLDADURA SOPORTE MOTOR

CDR-IN-V029-SSM001 ID Ref: 1424

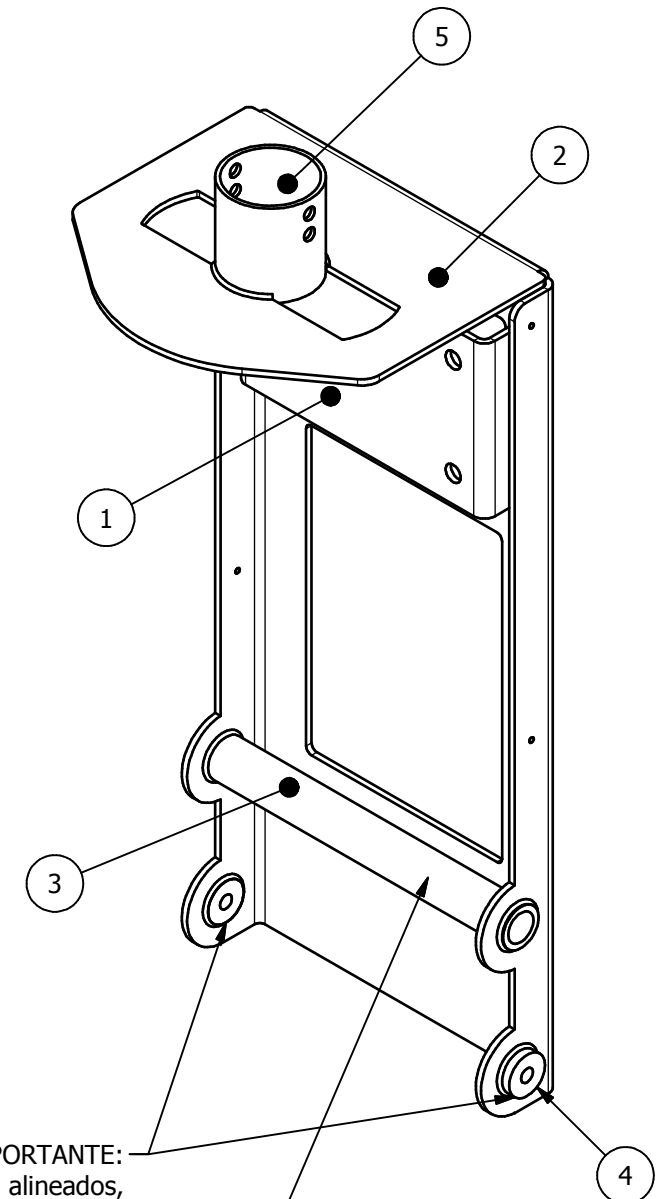
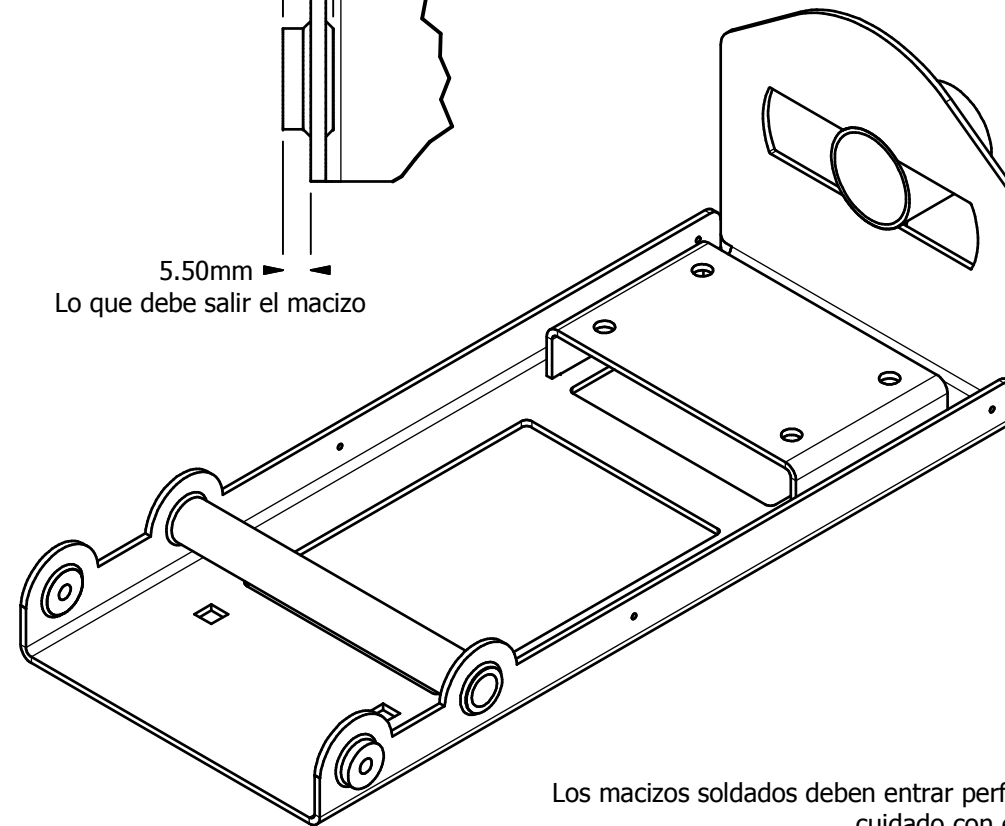
Pintar en negro satinado liso



DETAIL A
SCALE 2 / 3



CDR-IN-V029-SSM001
SCALE 1 / 3

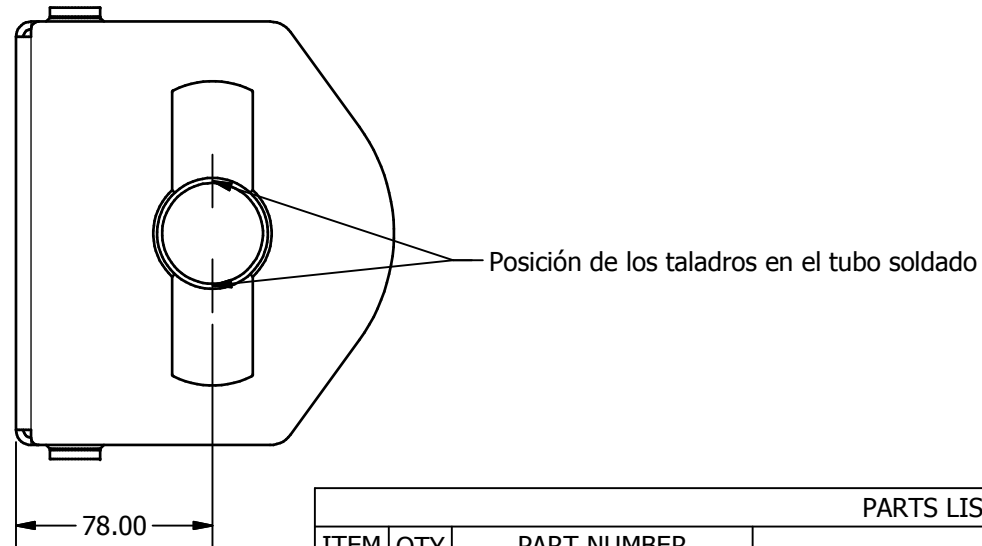


IMPORTANTE:

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

IMPORTANTE:

El tubo macizo debe quedar perfectamente alineado y paralelo al suelo



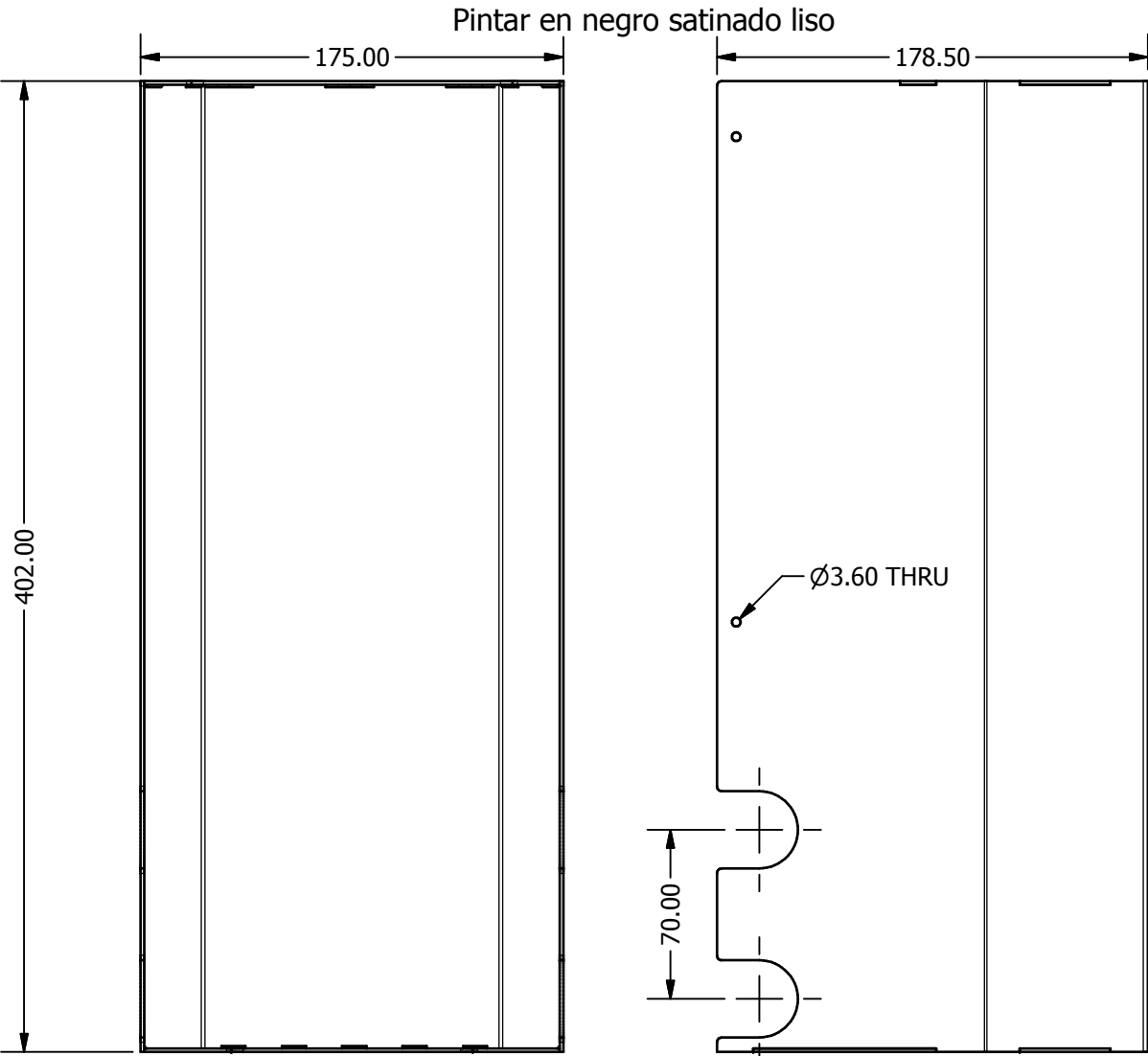
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-CRSM001	Chapa Resistente de Sujeción del Motor, espesor 3 mm
2	1	CDR-IN-V029-CSM001	Chapa Frontal Sujeción Motor, espesor 3 mm
3	1	CDR-IN-V029-MAZS001	Tubo Macizo Cuerpo Motor, diámetro exterior 20 mm y diámetro interior 14,1mm
4	2	CDR-IN-V029-TROS001	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		Planos producción columna industrial- V029	
CHECKED	13/11/2013	DWG NO: CDR-INJOY-29-ENS01	
Raúl Rodríguez G.		REV	
APPROVED		SIZE	SHEET 7 OF 13
		A3	

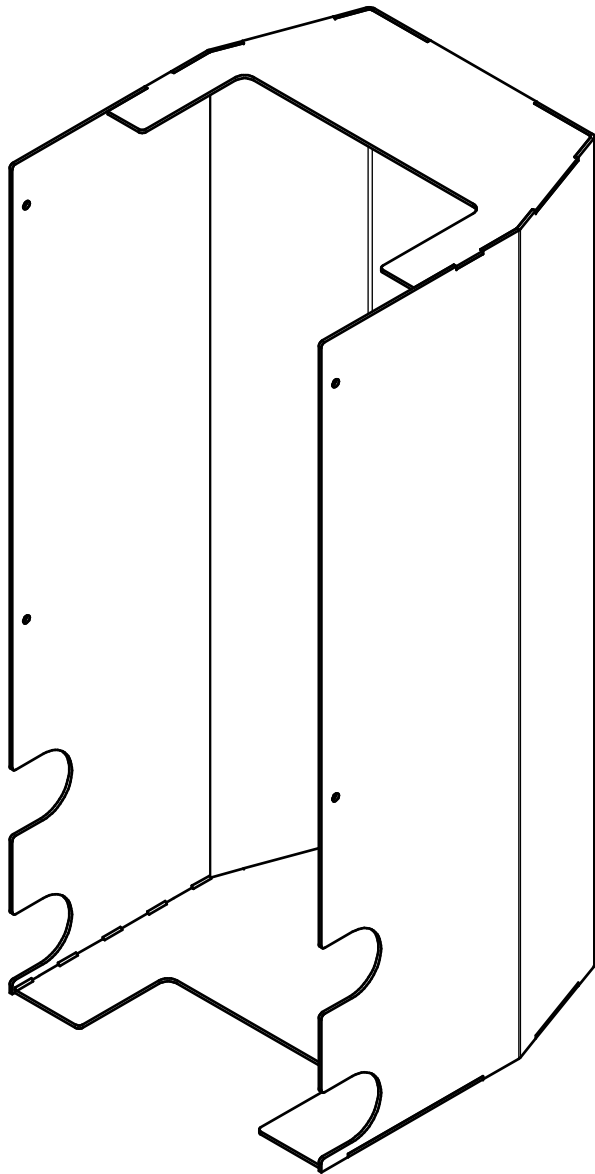
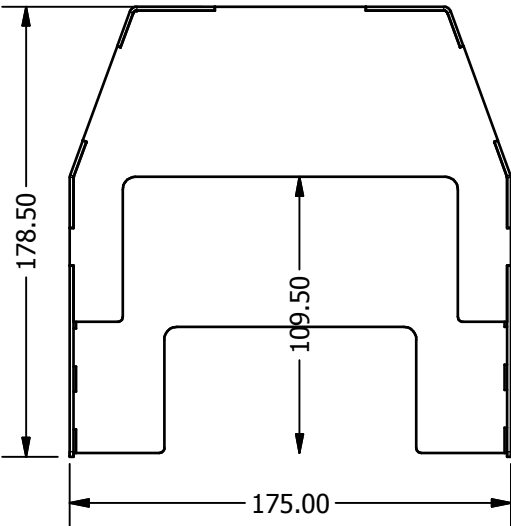
CARCASA CUBRE MOTOR

SOLDADURA CUBRE MOTOR

CDR-INJOY-V029-SCCM001 ID Ref:



CDR-INJOY-V029-SCCM001
SCALE 1 / 3

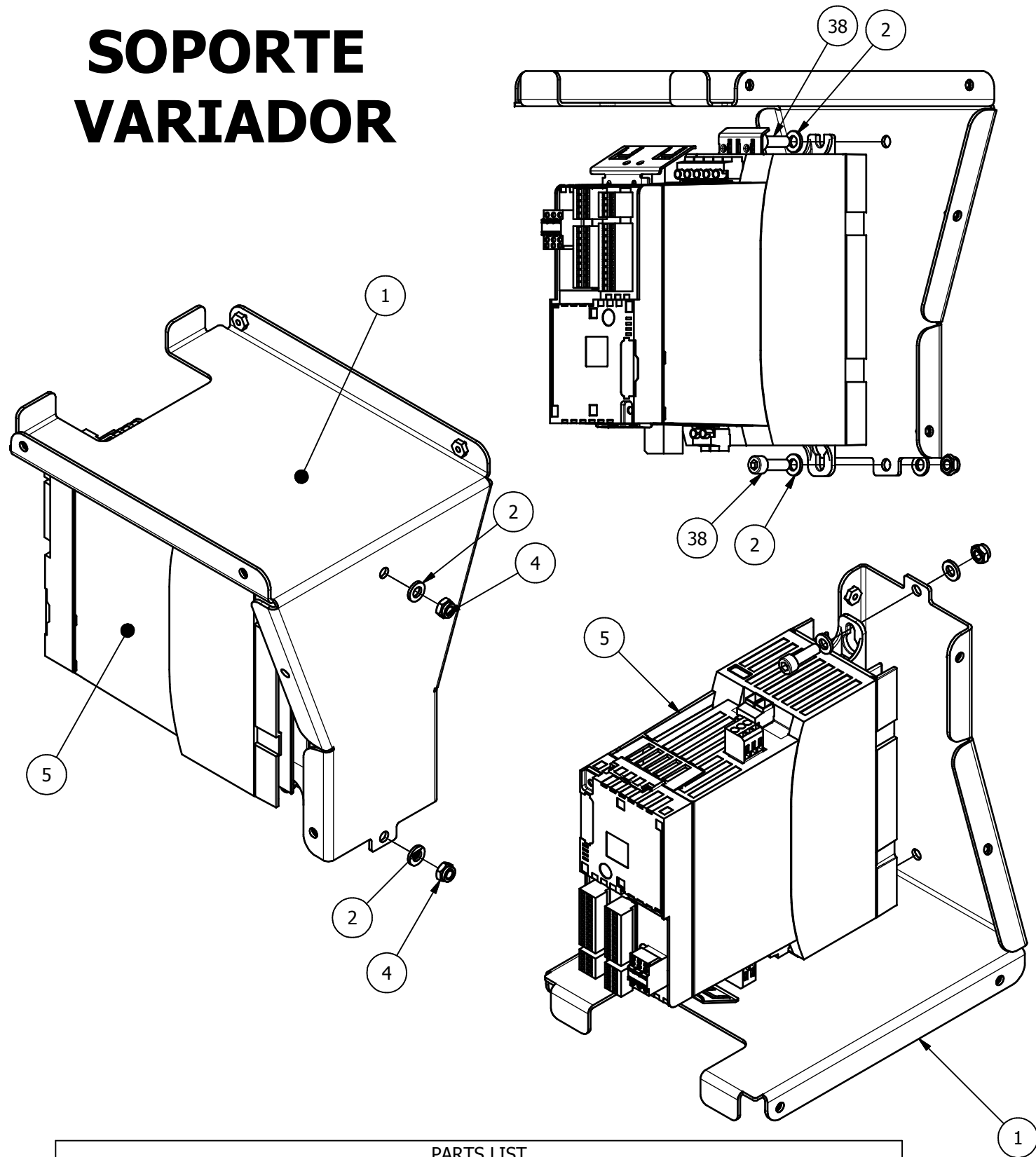


CDR-INJOY-V029-SCCM001
SCALE 1 / 3

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-INJOY-V029-CCM01	Chapa Carcasa Trasera, espesor 1,5 mm
2	1	CDR-INJOY-V029-CSTM001	Chapa Superior Carcasa, espesor 1,5 mm
6	1	CDR-INJOY-V029-CICM01	Chapa Inferior Carcasa Trasera, espesor 1,5 mm

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK		
		Planos producción columna industrial- V029		
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-INJOY-29-ENS01		
		REV	SIZE A3	SHEET 8 OF 13
APPROVED				

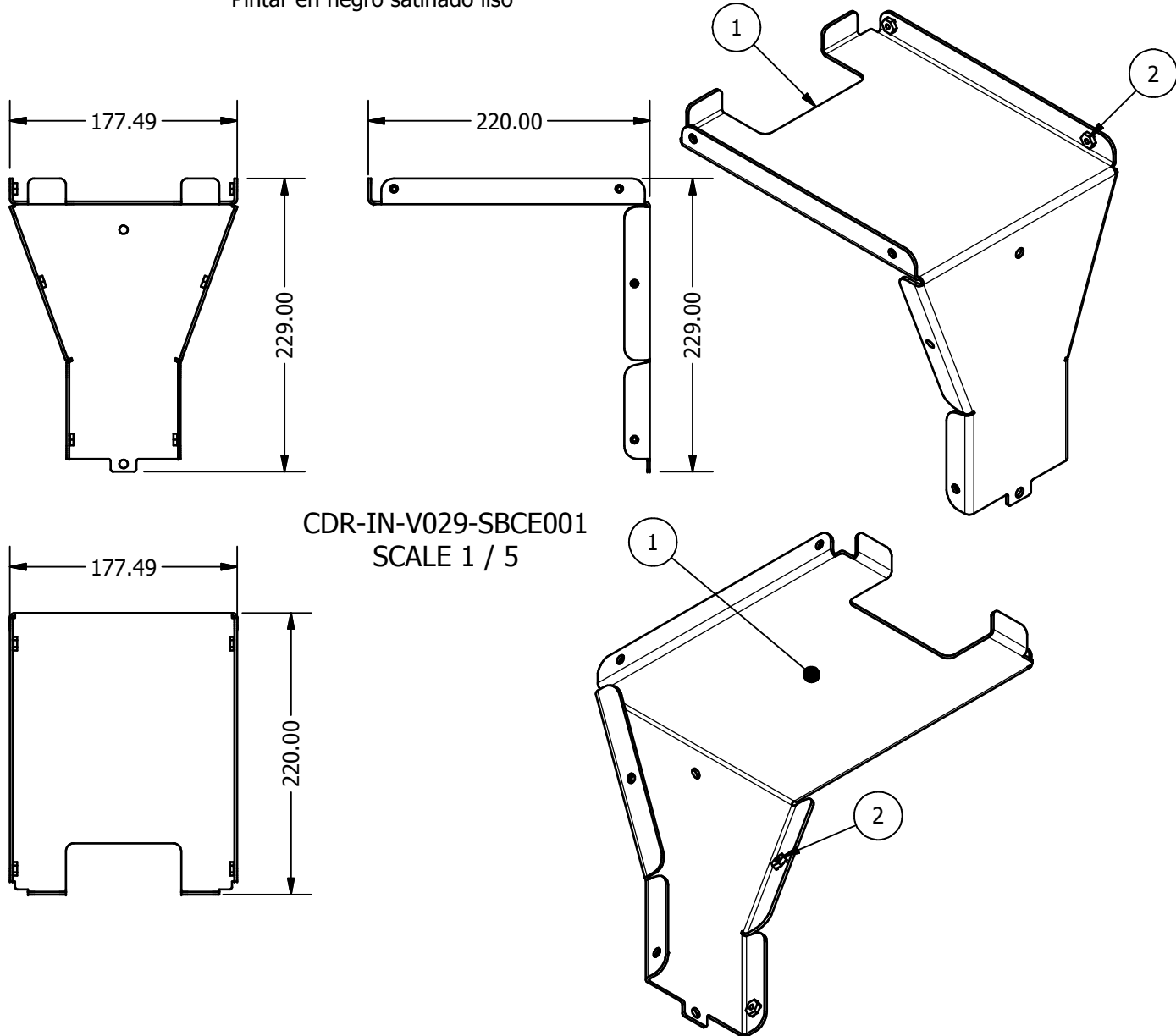
SOPORTE VARIADOR



BANDEJA DE COMPONENTES

SOLDADURA TUERCAS A BANDEJA CDR-IN-V029-SBCE001 ID Ref: 1432

Pintar en negro satinado liso



CDR-IN-V029-SBCE001
SCALE 1 / 5

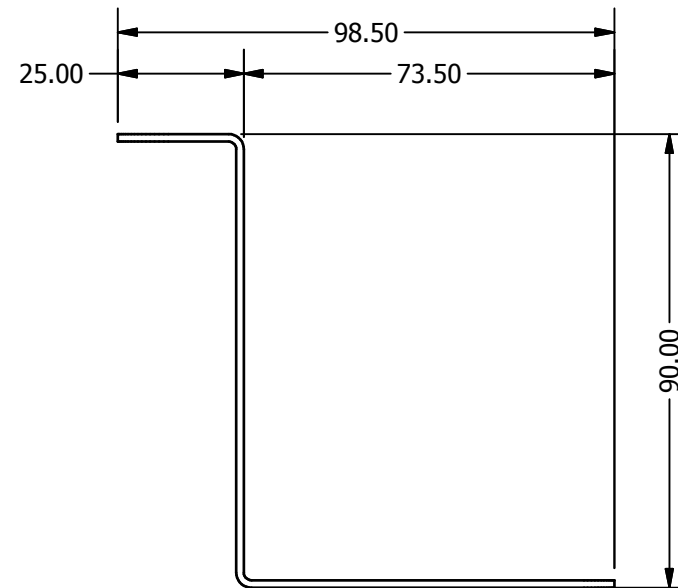
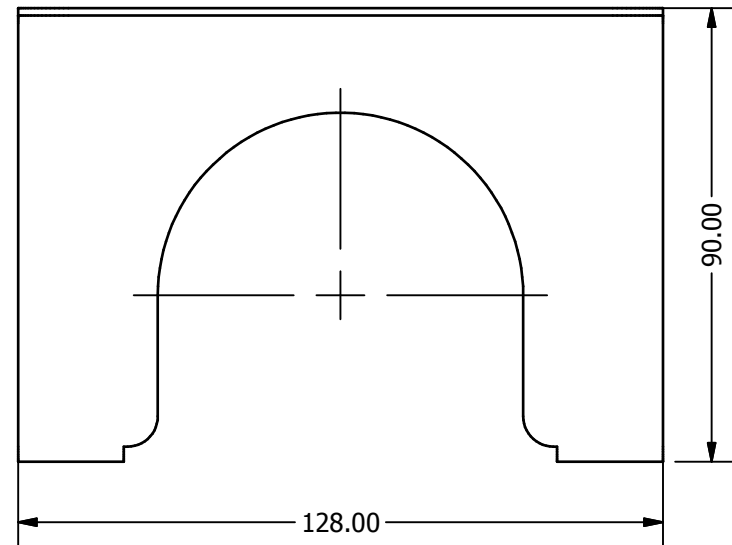
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-SBCE001	ID Ref: 1432. Soldadura de Tuercas a Bandeja de Componentes
2	4	DIN 125 - A 6,4	Washer
4	2	DIN 985 - M6	Hex Nut
5	1	MA 8400 VHCE	ID Ref: 18 . Variador Lenze
38	2	DIN 912 - M6 x 20	Tornillo de cabeza cilíndrica

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

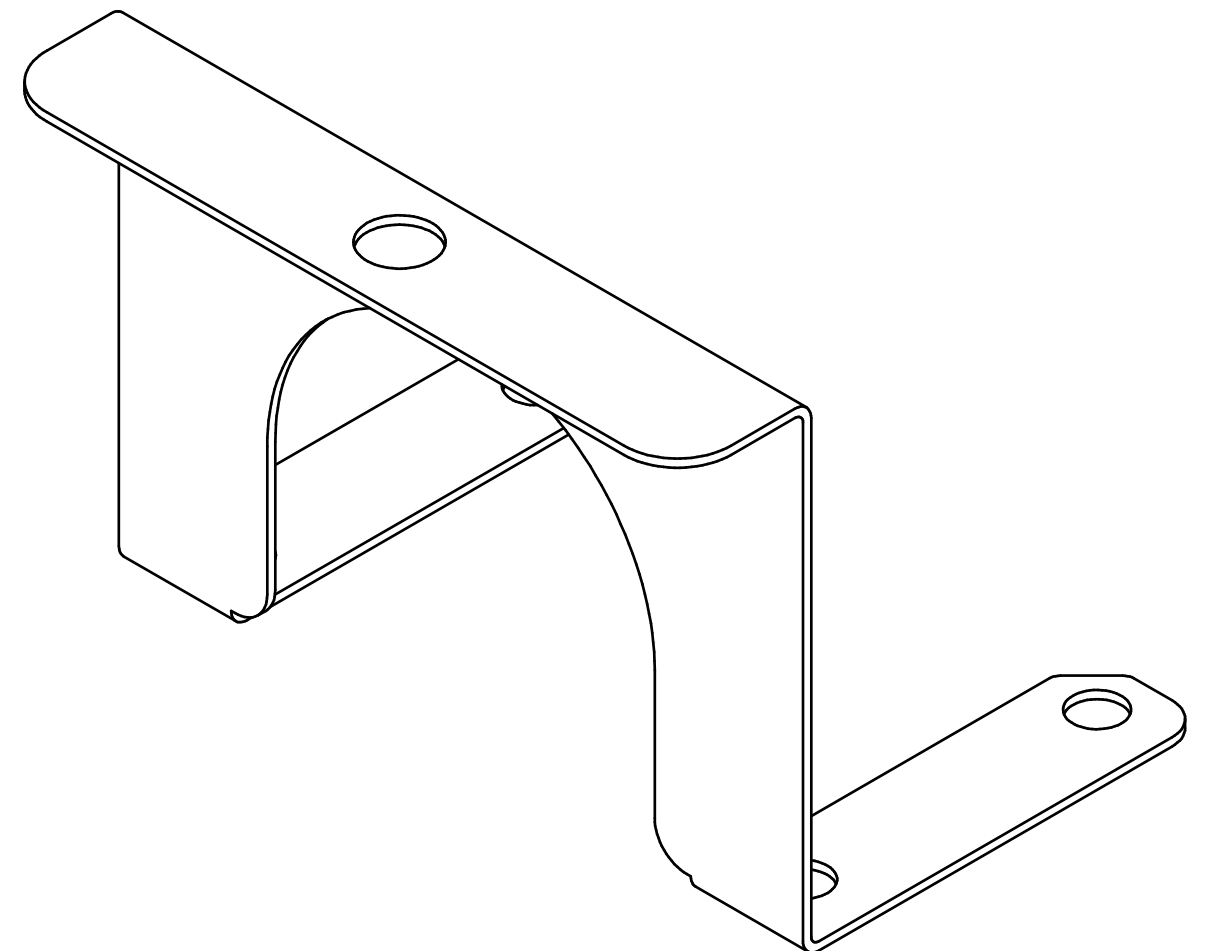
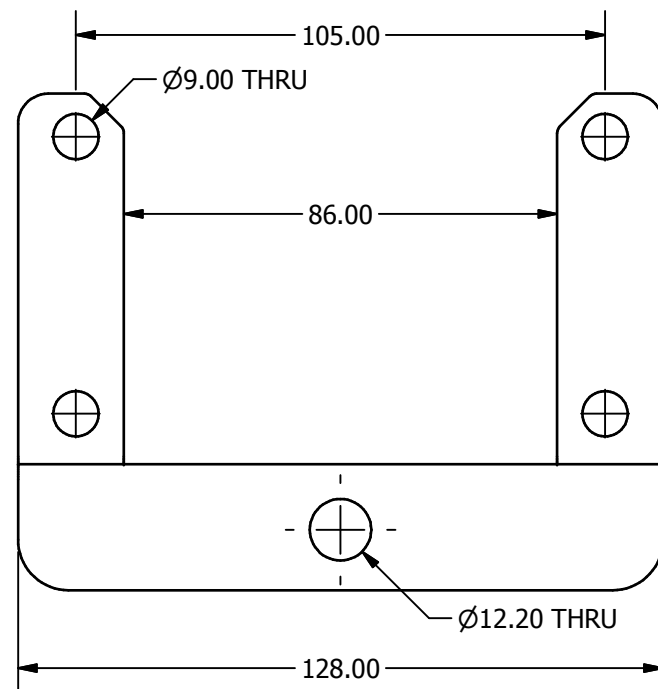
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		Planos producción columna industrial- V029		
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-INJOY-29-ENS01		
		REV	SIZE A3	SHEET 9 OF 13
APPROVED				

SUJECCIÓN INDUCTIVO

CHAPA SUJECCIÓN INDUCTIVO
CDR-IN-V029-CSI001 ID Ref: 1034



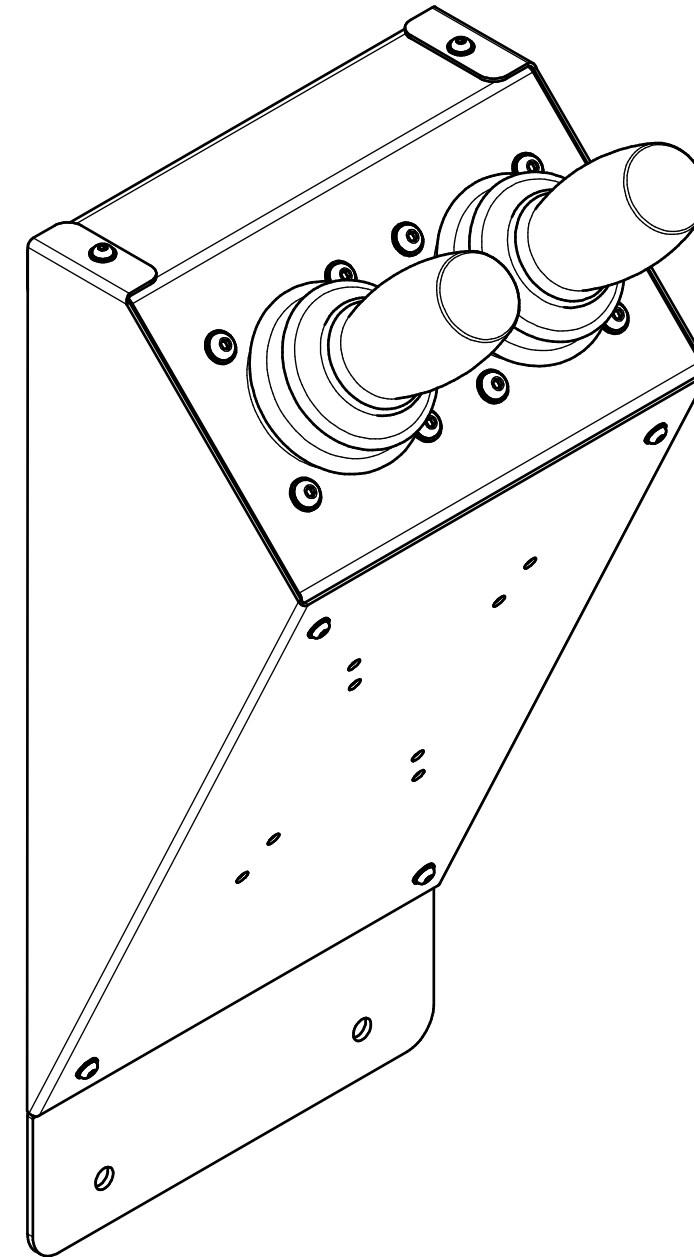
CDR-IN-V029-CSI001
SCALE 2 : 3



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-IN-V029-CSI001	ID Ref: 1034. Chapa Sujeción Inductivo, espesor 1,5 mm

Tratamiento cincado

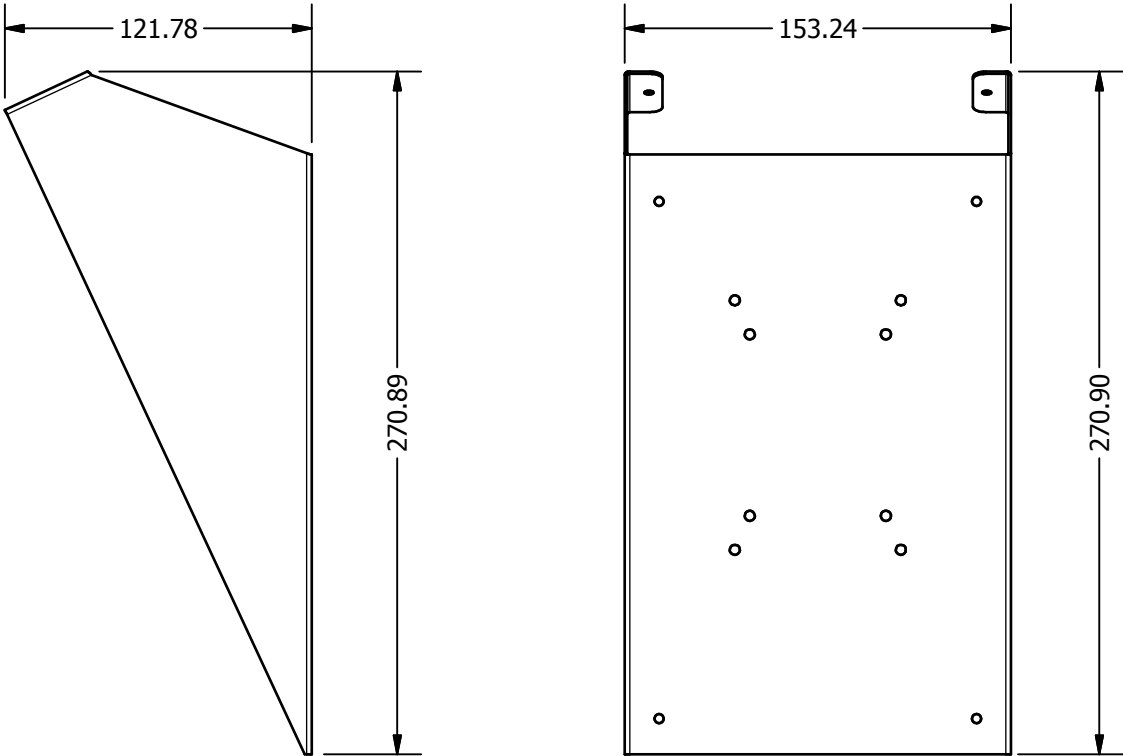
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Carlos Ruiz Madrigal		Planos producción columna industrial- V029	
CHECKED	13/11/2013	DWG NO: CDR-INJOY-29-ENS01	
Raúl Rodríguez G.		REV	SIZE A3
APPROVED		SHEET 10 OF 13	



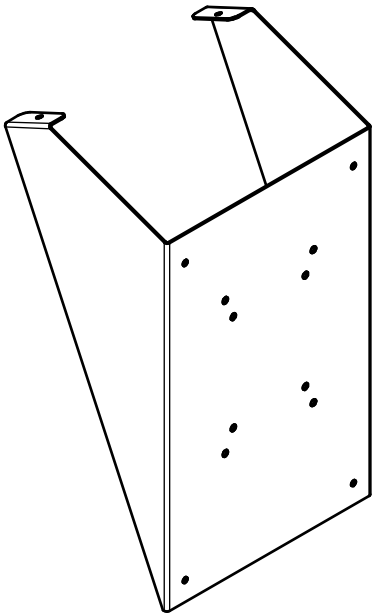
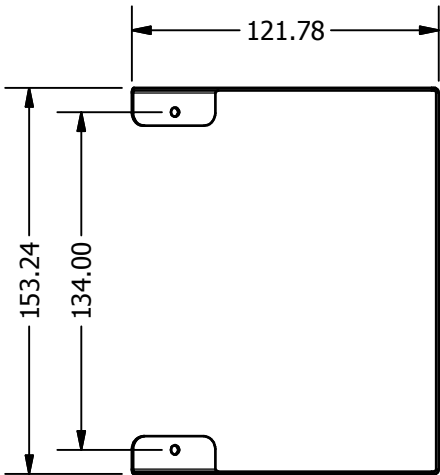
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-INJOY-V029-CCY001	ID Ref: 1743. Chapa Cubre Interior del Joystick, espesor 1 mm
2	1	CDR-INJOY-V029-CSPM001	ID Ref: 1744. Chapa Sujeción Joystick, espesor 2 mm
3	6	DIN 125 - A 3,2	Washer
4	8	DIN 125 - A 4,3	Washer
5	6	ISO 7380 - M3 x 6	Hexagon Socket Button Head Screw - Product grade A
6	8	ISO 7380 - M4 x 16	Hexagon Socket Button Head Screw - Product grade A
7	2	J2A7BA20A 35/10	joystick 1 eje
8	1	Rabbit BL2000-SMK	Centralita Electrónica

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK		
		Planos producción columna industrial- V029		
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-INJOY-29-ENS01		
		REV	SIZE A3	SHEET 11 OF 13
APPROVED				

CHAPA CUBRE INTERIOR JOYSTICK
CDR-INJOY-V029-CCY001 ID Ref:

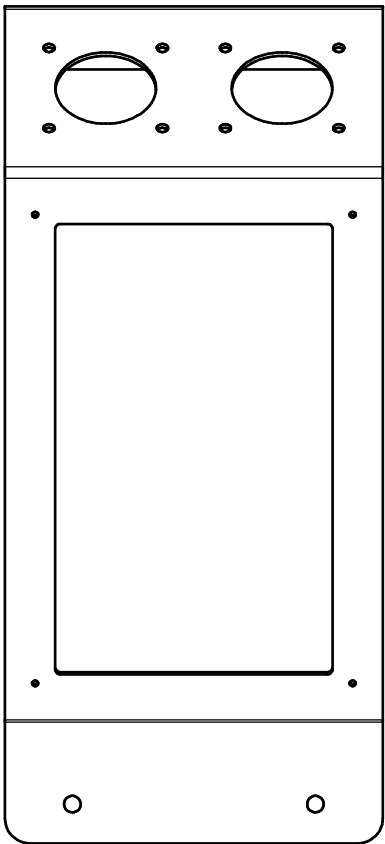


CDR-INJOY-V029-CCY001
SCALE 1 / 3

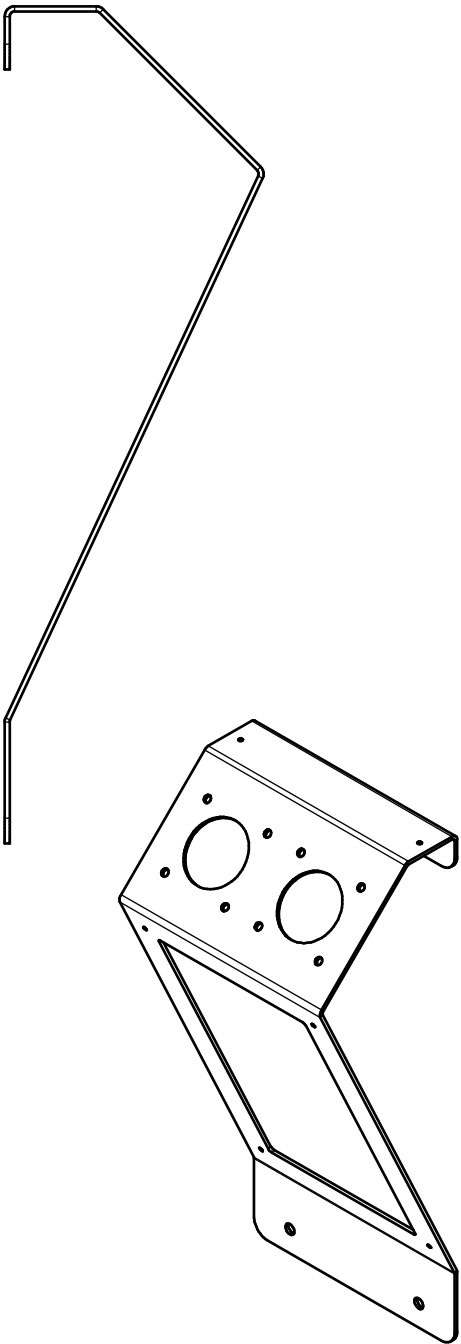
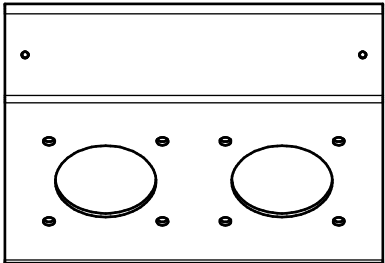


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-INJOY-V029-CCY001	ID Ref: 1743. Chapa Cubre Interior del Joystick, espesor 1 mm

CHAPA SUJECCIÓN JOYSTICK
CDR-INJOY-V029-CSPM001 ID Ref:



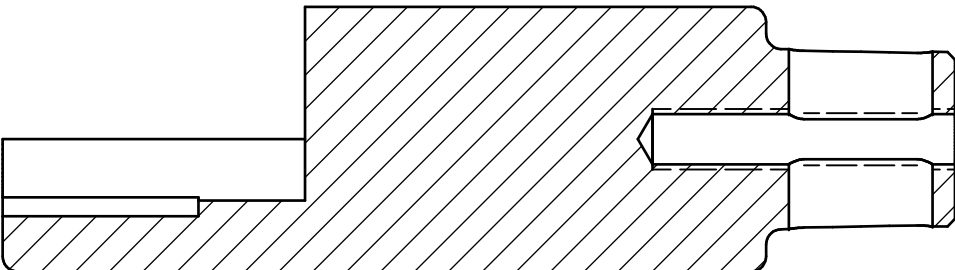
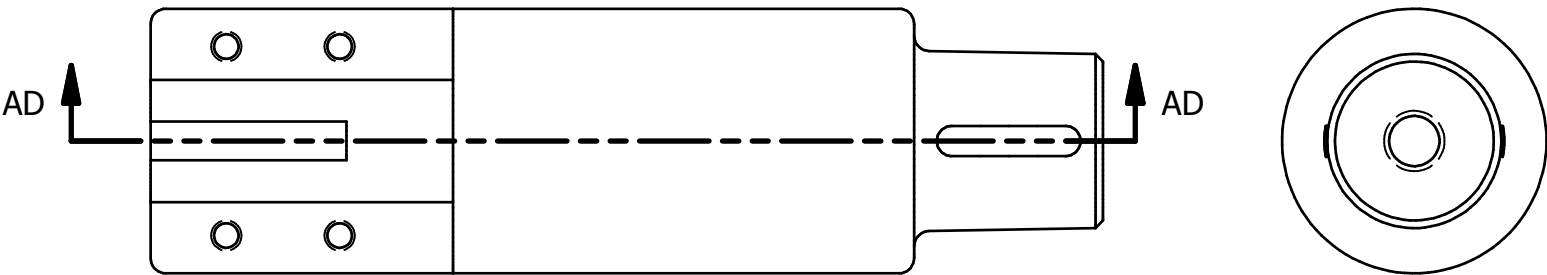
CDR-INJOY-V029-CSPM001
SCALE 1 / 3



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-INJOY-V029-CSPM001	ID Ref: 1744. Chapa Sujeción Joystick, 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-INJOY-29-ENS01	
APPROVED		REV	SIZE A3 SHEET 12 OF 13

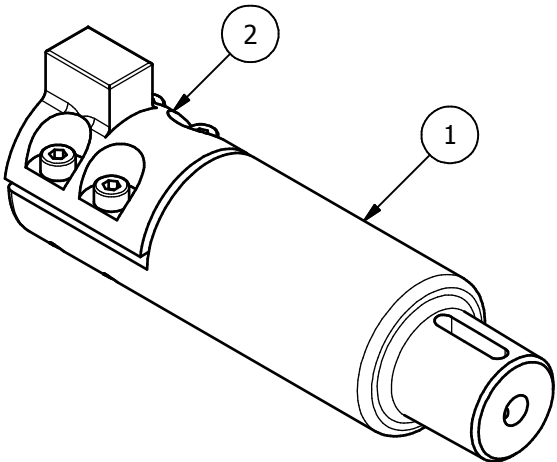
PROLONGADOR EJE MOTOR
CDR-INJOY-V029-PROLA001 ID Ref:



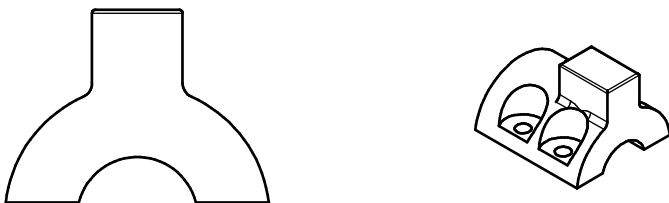
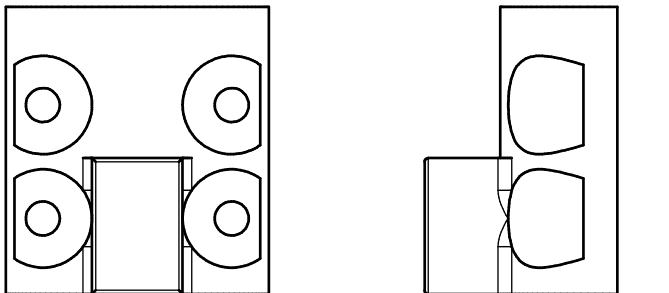
SECTION AD-AD
SCALE 1 : 1

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-INJOY-V029-PROLA001	ID Ref: 1741. Prolongación Eje Motor

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-INJOY-V029-PROLA001	ID Ref: 1741. Prolongación Eje Motor
2	1	CDR-INJOY-V029-PROLB001	ID Ref: 1742 .Pieza de Cierre
9	4	DIN 912 - M4 x 16	Cylinder Head Cap Screw



PIEZA DE CIERRE PROLONGADOR
CDR-INJOY-V029-CCY001 ID Ref:



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	CDR-INJOY-V029-PROLB001	ID Ref: 1742 .Pieza de Cierre

DRAWN Carlos Ruiz Madrigal	03/10/2013	SIMUMAK	
		Planos producción columna industrial- V029	
CHECKED Raúl Rodríguez G.	13/11/2013	DWG NO: CDR-INJOY-29-ENS01	
APPROVED		REV	SIZE A3 SHEET 13 OF 13