

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A

A

B

B

C

C

D

D

E

E

F

F

G

G

H

H

J

J

K

K

L

L

M

M

P0820-TERNIUM SIDERAR

Sistema de embalaje automático de pallets

Esquemas Eléctricos

5	5	PROJECT SIDERCRON EMBALAJE	SHEET 001 131
4	4	DRAWING NO.	
3	3	001	
2	2	REVISION BY	DETAINED BY
1	1	U.I.	E.G.
REV. CLIENTE	REV. INT. P&F	RELEASER BY	TITLE
	Av. Belgrano 2272 (C1610VWD) Don Torcuato Buenos Aires Argentina	CHECKED BY	SAFETY BY
JOB		D.F.	D.F.
		W.D.	W.D.
		RELEASER	RELEASER
		DATE	DATE
		20/02/15	20/02/15
		PLANT: SIDERCRON	LOCATION/ACTIVITY:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

MAIN INDEX

1	TITLE
2	INDICE GENERAL
3	INDICE PRINCIPAL
10	POWER CIRCUITS
20	HARDWIRED SAFETY CIRCUIT
30	INPUTS, OUTPUTS
53	HARDWIRED CONTROL CIRCUIT
80	INTERCONNECT DIAGRAM
90	CONTROL PANEL AND BACKPLATE LAYOUTS
130	BILL OF MATERIAL

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A		B		C		D		E		F		G		H		I
J		K		L		M		N		O		P		Q		R
PROJECT: SIDERCROM EMBALAJE DRAWING NO. 002 SHEET 002/131 DESIGNER BY: D.F. CHECKED BY: SAFETY BY: REV. CLIENTE: Av. Delgrado 2272 (B1410VWD)  Don Torcuato Buenos Aires Argentina REV. INT. P&F: DATE: 03/14/215 DRAFTED BY: INDICE GENERAL DIVISION: PLANT: SIDERCROM LOCATION/ACTIVITY:																

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

PLANO	DESCRIPCION 1	DESCRIPCION 2	DESCRIPCION 3
001	TERNIUM SIDERAR		
002	INDICE GENERAL		
003	INDICE PRINCIPAL		
004	DRAWING STANDARDS		
005	SIMBOLOGIA		
010	CARATULA	POWER CIRCUITS	
011	ALIMENTACION PRINCIPAL	380V – 220V	
012	ALIMENTACION MOTORES	380V	
013	ALIMENTACION MOTORES	380V	
014	ALIMENTACION MOTORES	380V	
015	ALIMENTACION MOTORES	380V	
016	ALIMENTACION MOTORES	380V	
017			
018	ALIMENTACION PRINCIPAL	220VAC	
019	ALIMENTACION PRINCIPAL	24VDC	
020	ALIMENTACION PRINCIPAL	24VDC	
021	ALIMENTACION 24VDC	PLC	
022	ALIMENTACION 220VAC Y 24VDC	PANEL VIEW	
023	ALIMENTACION 24VDC	SWITCH ETHERNET	
024			
025	CARATULA	HARDWIRED SAFETY CIRCUIT	
026	RELE DE SEGURIDAD	EMERGENCIAS	
027	RELE DE SEGURIDAD	PUERTAS	ESTACION #3
028	RELE DE SEGURIDAD	PUERTAS	ESTACION #5
029	VALVULA DE SEGURIDAD	SERIE DE EMERGENCIA Y PUERTAS	
030	INPUTS AND OUTPUTS		
031	MODULO INPUTS	RACK 1 – SLOT 4	1756-IB32
032	MODULO INPUTS	RACK 1 – SLOT 5	1756-IB32
033	MODULO INPUTS	RACK 1 – SLOT 6	1756-IB32
034	MODULO INPUTS	RACK 1 – SLOT 7	1756-IB32
035	MODULO INPUTS	RACK 1 – SLOT 8	1756-IB32
036			
037	MODULO OUTPUTS	RACK 1 – SLOT 9	1756-OW16I
038	MODULO OUTPUTS	RACK 1 – SLOT 10	1756-OW16I
039	MODULO OUTPUTS	RACK 1 – SLOT 11	1756-OW16I
040	MODULO OUTPUTS	RACK 1 – SLOT 12	1756-OW16I
041			
042	MODULO INPUTS	RACK 2 – SLOT 1	1756-IB32
043	MODULO INPUTS	RACK 2 – SLOT 2	1756-IB32
044			
045			
046	MODULO OUTPUTS	RACK 2 – SLOT 3	1756-OW16I
047	MODULO OUTPUTS	RACK 2 – SLOT 4	1756-OW16I
048			
049	MODULO I/O IRC5	ROBOT #1	
050	MODULO I/O IRC5	ROBOT #2	
051			
052			
053	CARATULA	HARDWIRED CONTROL CIRCUIT	
054			
055	PANEL BOARD	ROBOT 1	
056			
057	PANEL BOARD	ROBOT 2	
058			
059			
060	VARIADORES DE FRECUENCIA	1 Y 2	
061	VARIADORES DE FRECUENCIA	3 Y 4	
062	VARIADORES DE FRECUENCIA	5 Y 6	
063	VARIADORES DE FRECUENCIA	7 Y 8	
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065	VARIADORES DE FRECUENCIA	11 Y 12	
066	VARIADORES DE FRECUENCIA	13 Y 14	
067	VARIADORES DE FRECUENCIA	15 Y 16	
068	VARIADORES DE FRECUENCIA	17 Y 18	
069	VARIADORES DE FRECUENCIA	19 Y 20	
070	VARIADORES DE FRECUENCIA	21 Y 22	
071	VARIADORES DE FRECUENCIA	23 Y 24	
072	VARIADORES DE FRECUENCIA	25	
073			
074			

PLANO	DESCRIPCION 1	DESCRIPCION 2	DESCRIPCION 3
075	CONTROL EXTRACURSO	SUNCHADORA	
076			
077			
078			
079			
080	INTERCONNECT DIAGRAM		
081	RED DE ETHERNET		
082	DISTRIBUCION MULTIPAR	SEÑALES	
083	DISTRIBUCION CABLES	POTENCIA	
084	DISTRIBUCION	ROBOT Y CONTROLADOR	
085	MANDO A DISTANCIA		
086	LECTOR CODIGO DE BARRAS	EST #3	
087	LECTOR CODIGO DE BARRAS	EST #5	
088	EST#2	BALANZA	CELDA DE CARGA
089	EST#5	BALANZA	CELDA DE CARGA
090	CARATULA	CONTROL PANEL AND	BACKPLATE LAYOUTS
091	TOPOGRAFICO	TABLERO COMANDO	
092	TOPOGRAFICO	TABLERO POTENCIA	
093			
094	TOPOGRAFICO	TABLERO	JB ACCESO 1
095	TOPOGRAFICO	TABLERO	JB ACCESO 2
096	TOPOGRAFICO	TABLERO	JB ACCESO 3
097	TOPOGRAFICO	TABLERO	JB ACCESO 4
098	TOPOGRAFICO	BOTONERA TIJERA	CORTE DE FILM
099	TOPOGRAFICO	TABLERO DISTRIBUCION	JB #1
100	TOPOGRAFICO	TABLERO DISTRIBUCION	JB #2
101	TOPOGRAFICO	TABLERO DISTRIBUCION	JB #3
102	TOPOGRAFICO	TABLERO DISTRIBUCION	JB #4
103	TOPOGRAFICO	TABLERO DISTRIBUCION	JB #5
104	TOPOGRAFICO	TABLERO NEUMATICA	JB #6
105	TOPOGRAFICO	TABLERO NEUMATICA	JB #7
106	TOPOGRAFICO	TABLERO DISTRIBUCION	JB #8
107	CABEZAL SUNCHADOR	TITAN K120-19M	
108	TOPOGRAFICO	TABLERO PANEL VIEW	PV #1
109	TOPOGRAFICO	TABLERO PANEL VIEW	PV #2
110	TOPOGRAFICO	TABLERO PANEL VIEW	PV #3
111	TABLERO GRIPPER ROBOT 1	JB ROBOT #1	
112	TABLERO GRIPPER ROBOT 2	JB ROBOT #2	
113			
114	ELECTRICAL INSTALLATION	EST #1 Y #2	
115	ELECTRICAL INSTALLATION	EST #3 Y #4	
116	ELECTRICAL INSTALLATION	RETENEDOR	ESQUINERO EST#3
117	ELECTRICAL INSTALLATION	TG SUNCHADORA	
118	ELECTRICAL INSTALLATION	EST #5 Y #6	
119			
120	DISTRIBUCION	TABLEROS	
121			
122	NEUMATICA	ESTACION #3	
123	NEUMATICA	ESTACION #5	
124	NEUMATICA	GRIPPER ROBOT#1	
125	NEUMATICA	GRIPPER ROBOT#2	
126			
127			
128			
129			
130	CARATULA	BILL OF MATERIAL	
131	BILL OF MATERIAL		

5	4	3	2	1	5	4	3	2	1	PROJECT SIDERCROM EMBALAJE				
4					4					DRIVING NO. 003				
3					3					NUMBER BY LH				
2					2					NUMBER BY D.F.				
1					1					NUMBER BY E.G.				
REV. CLIENTE					REV. INT. P&F					INDICE PRINCIPAL				
P&F					Av. Belgrano 2272 (C1014VD) Buenos Aires Argentina					DIVISION PLANT SIDERCROM LOCATION/ACTIVITY				
07/14/215					DRAFTED BY SIGNED DATE					07/14/215				

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

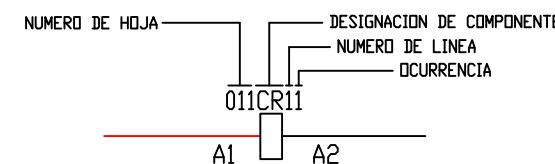
DRAWING STANDARDS

1. Etiquetas identificación de componente:

PREFIJO: Se refiere a la identificación del equipo, normalmente es usado para separar. TAG dispositivo puede o no contener PREFIJO.

Identificación de componente: Se compone del número de página, número de línea, tipo de componente y ocurrencia en línea (por varios elementos en una línea).

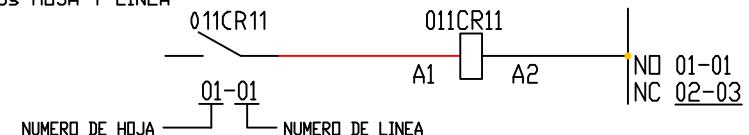
Ejemplo: _011CR11, Es un relé de control el cual se encuentra en la línea 1 de la Hoja 11 con ocurrencia 1.



2. Referencia cruzada:

IDENTIFICA donde un componente SE ENCUENTRA EN EL JUEGO DE DIBUJO. Se utiliza para indicar que los cables ir fuera de la página, donde varias instancias del mismo componente se encuentran, y donde los contactos del relé están en relación a su bobina asociada..

REFERENCIA bobina y contacto CRUZ - números adyacentes a la bobina Y EN CONTACTO indican los números HOJA Y LÍNEA



Fuera de página de referencias cruzadas - números adyacentes A DESTINO Y SÍMBOLOS INDICAN HOJA y números de línea.

INDICAN FECHA y NÚMERO DE LINEA
01-01
01011

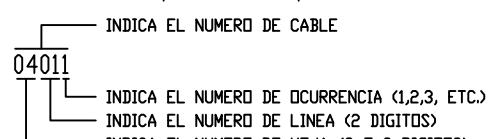
↓
01011 — REFERENCIA ID (NÚMERO DE CABO)

01-01

T T NÚMERO DE LINEA
| | NÚMERO DE HOJA

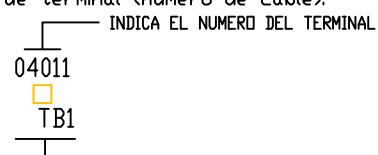
3. CABLE (generación de números)

Identifica el número de CABLE, número se compone de Hoja Número, número de línea y número de ocurrencia. Ejemplo 04011, es un hilo que comienza en la página 04 línea 01 y es la primera aparición. MÁS DE 10 cables en una línea que no está permitido.



4 TERMINAL ES

Identifica el número de bloque de bornes y punto de conexión. CONSTA DE DESIGNACIÓN terminal, y un número de terminal (número de cable).



5. Designación de CÓDICES en Cable

CABLE COLOR	DESIGNACION	CABLE COLOR	DESIGNACION
BLACK (NEGRO)	BLK	GREEN (VERDE)	GRN
BROWN (MARRÓN)	BRN	BLUE (AZUL)	BLU
RED (ROJO)	RED	VIOLET (VIOLETA)	VIO
ORANGE (NARANJA)	ORG	GRAY (GRIS)	GRY
YELLOW (AMARILLO)	YEI	WHITE (BLANCO)	WHT

6. Código de colores en CABLE

Solidificación de colores del cableado deberán existir en NERA78, salvo indicación contraria.

Codificación de colores del cableado deberá ajustarse a NFPA 70 NEGRÍ - Cableado de las tensiones de línea CIRCUITOS DE 380 VAC

NEGRO - Cableado de las tensiones de linea (CIRCUITOS DE 380 VAC).
ROJO - Cableado de control en menor voltaje de la linea (CIRCUITOS DE 220 / 110 VAC).

AZUL - Cableado de control (CIRCUITOS DE 24VDC)

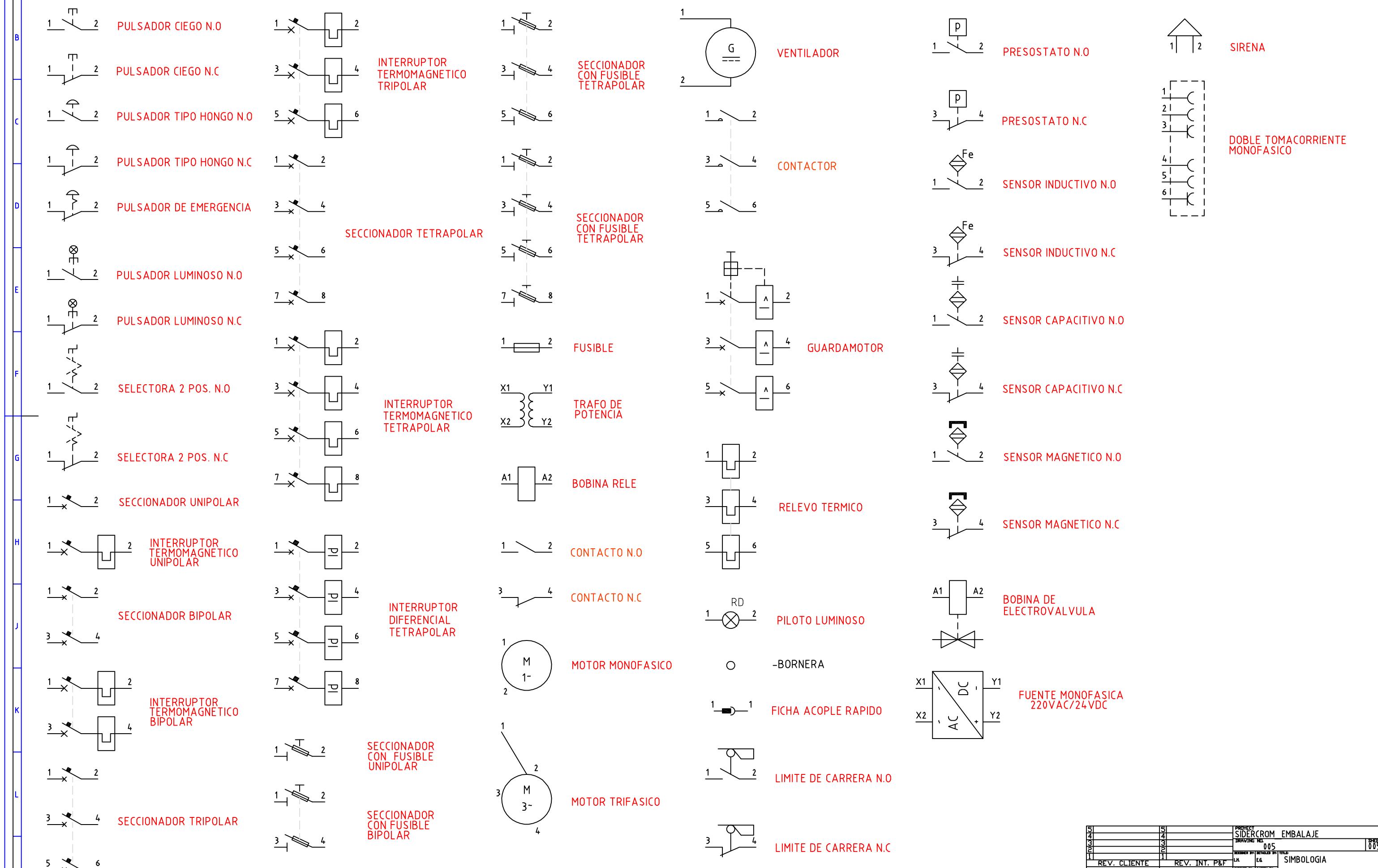
AMARILLO - Cableado que pueden estar bajo tensión de fuentes externas (CIRCUITOS DE SEGURIDAD).

DESIGNACION DE COMPONENTES

DESCRIPTION	DESIGNATION	DESCRIPTION	DESIGNATION
ADJUSTABLE RESISTOR	POT	POWER SWITCH GEAR	CBS
AMPLIFIER	AR	PROTECTIVE DEVICE	FU
ARRESTOR	E	REACTOR	ACR,X,SX
BATTERY	BATT	RECTIFIER <BRIDGE>	REC
BELL	ABE	RECTIFIER <SCR>	SCR
BRAKE	MP, BRK	RESISTOR	RES
BUSBAR	W	RESOLVER	B
BUZZER	ABU	RECEPTOR	RE
CABLE	CAB	ROTATING FREQUENCY GENERATOR	G,MG
CABLE BALANCING NETWORK	Z	ROTATING GENERATOR	G
CAPACITOR	CAP	SEMICONDUCTOR	D,CR,Q
CIRCUIT BREAKER	CI	SIGNAL GENERATOR	A
CLUTCH	MP	SOLDERING TERMINAL STRIP	TB
CONTROL <RELAY>	CR	SOLENOID	SL
CONTROL <TIME DELAY RELAY>	TR	STATIC FREQUENCY CHANGER	A
CONTROL <CONTACTOR>	MC	SUPPLY	HR
CONTROLLER <PROGRAMMABLE LOGIC>	PLC	SUPPLY DEVICE	A,PS
CONVERTER	A,U,MG	SUPPRESSOR <AC DIODE>	E
DIODE	D	SUPPRESSOR <DC DIODE>	E
DIODE <ZENER>	DZ	SUPPRESSOR <RC TYPE>	E
DYNAMOTOR	MG	SWITCH - AUXILIARY	S
FAN	F	SWITCH - CABLE OPERATED	COS
FUSE	FU	SWITCH - CONTROL	S
GENERATOR	G	SWITCH - DISCONNECT	DS
GUARDAMOTOR	CB	SWITCH - FLOAT	FS
HORN	AH	SWITCH - FOOT OPERATED	FTS
INDUCTOR	L	SWITCH - LIMIT	LS
INVERTER	A,U,PS,MG	SWITCH - PRESSURE	PS
ISOLATOR	AT	SWITCH - PROXIMITY	PRS
JUMPER WIRE	W	SWITCH - PUSHBUTTON	PB
LIGHT <FLUORESCENT>	H	SWITCH - PUSHBUTTON ILLUMINATED	IPB
LIGHT <NEON>	NLT	SWITCH - ROTARY	RSS
LIGHT <PILOT>	LT	SWITCH - SELECTOR	SS
LOUD SPEAKER	SP	SWITCH - TEMPERATURE	TS
METER	IND	SYNCHRO	B
METER <AMMETER>	AM	TERMINAL	TB
METER <SHUNT>	MSH	TERMINAL BOARD	TB
METER <VOLTAGE>	VM	TEST JACK	TB,PL
MOTOR	M	THERMISTOR	RT
OSCILLATOR	Y,G	THERMOCOUPLE	TC
OVERLOAD	OL	TRANSDUCER	A,BT
OVERVOLTAGE DISCHARGE TYPE	E	TRANSFORMER <POWER>	T
PHOTOELECTRIC CELL	PSC	TRANSFORMER <CURRENT>	T,CT
PLUG	PL	TRANSFORMER <VOLTAGE>	T,PT
PLUG <DISCONNECTING>	PL	TRANSISTOR	Q
PLUG <SOCKET>	PL	VARISTOR (MOV)	MOV
PNEUMATIC VALVE	MP,PV		
POTENTIOMETER	POT		

5	PROJECT SIDERCROM EMBALAJE			
4	DRAWING NO.			
3	004		SHEET NO. 004 / 13	
2	DESIGNER BY: BENTON M. TAYLOR			
1	REVIEWED BY: E.G.		DRAWING STANDARDS	
REV. CLIENTE		REV. INT. P&F		
Av. Belgrano 2272 (B1611V/D) Don Torcuato Buenos Aires Argentina		CHECKED BY: SAFETY INS.		
		D.F.		
		DATE:		DIVISION
		16/11/15		PLANT: SIDERCROM

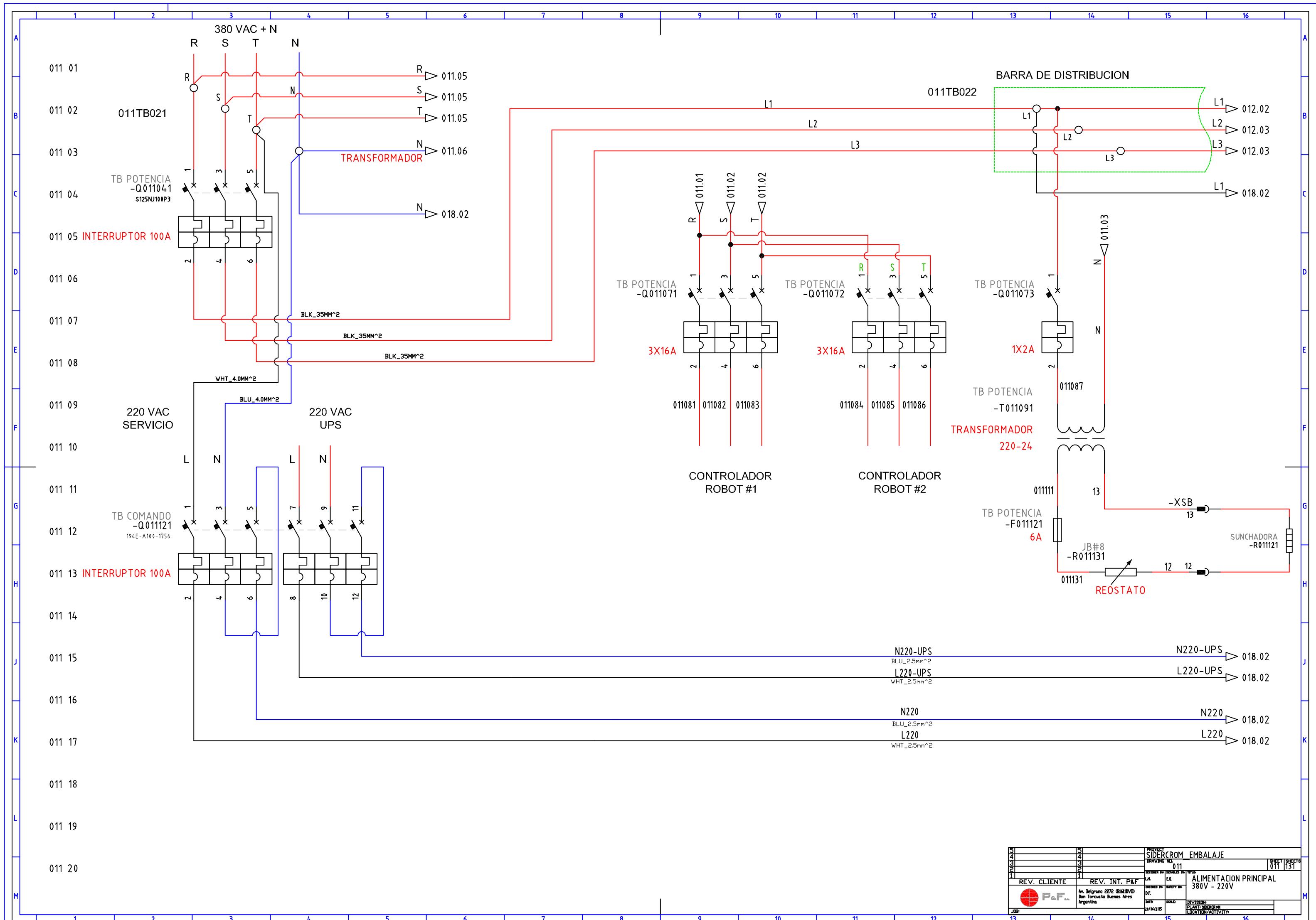
SIMBOLOGIA

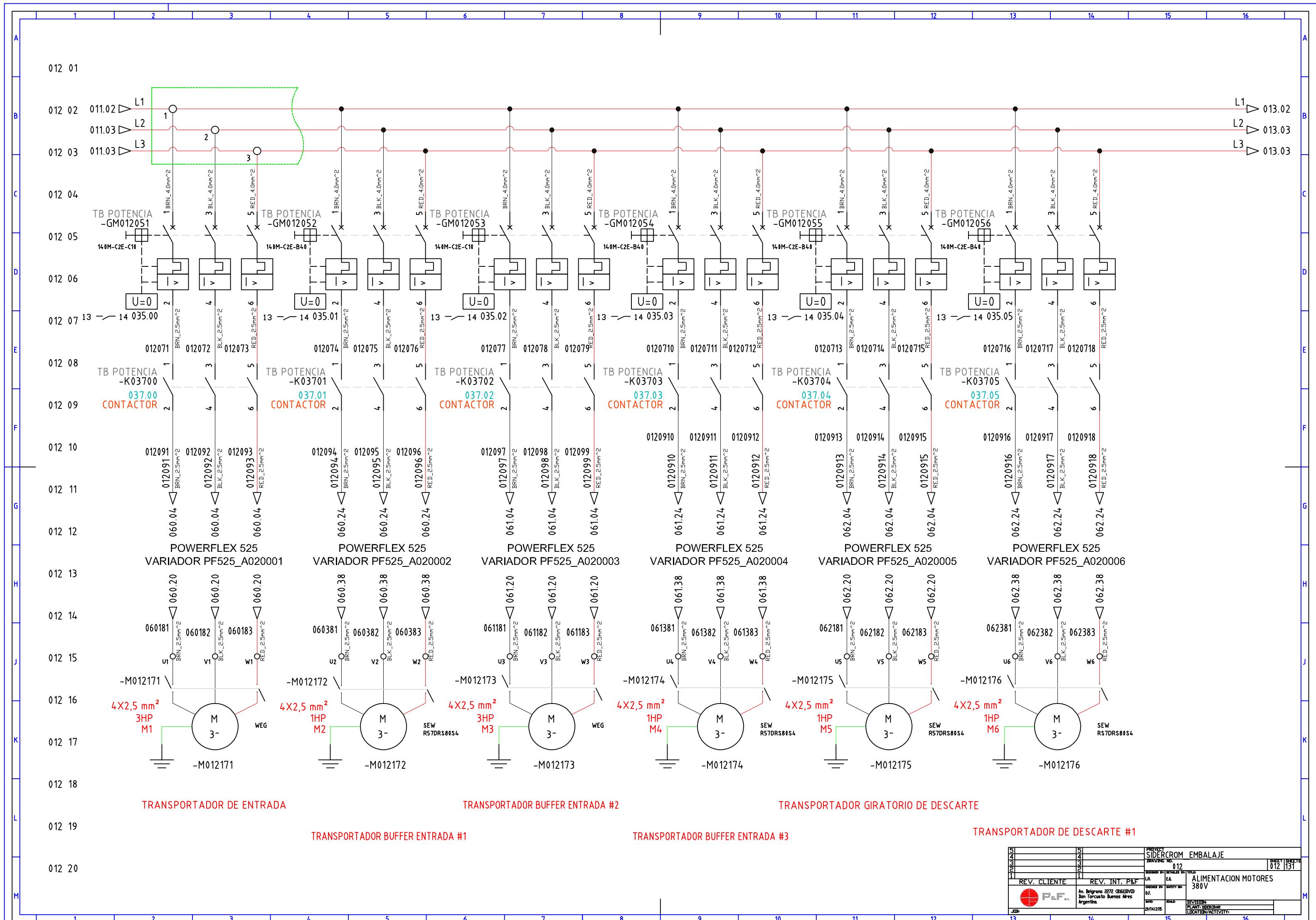


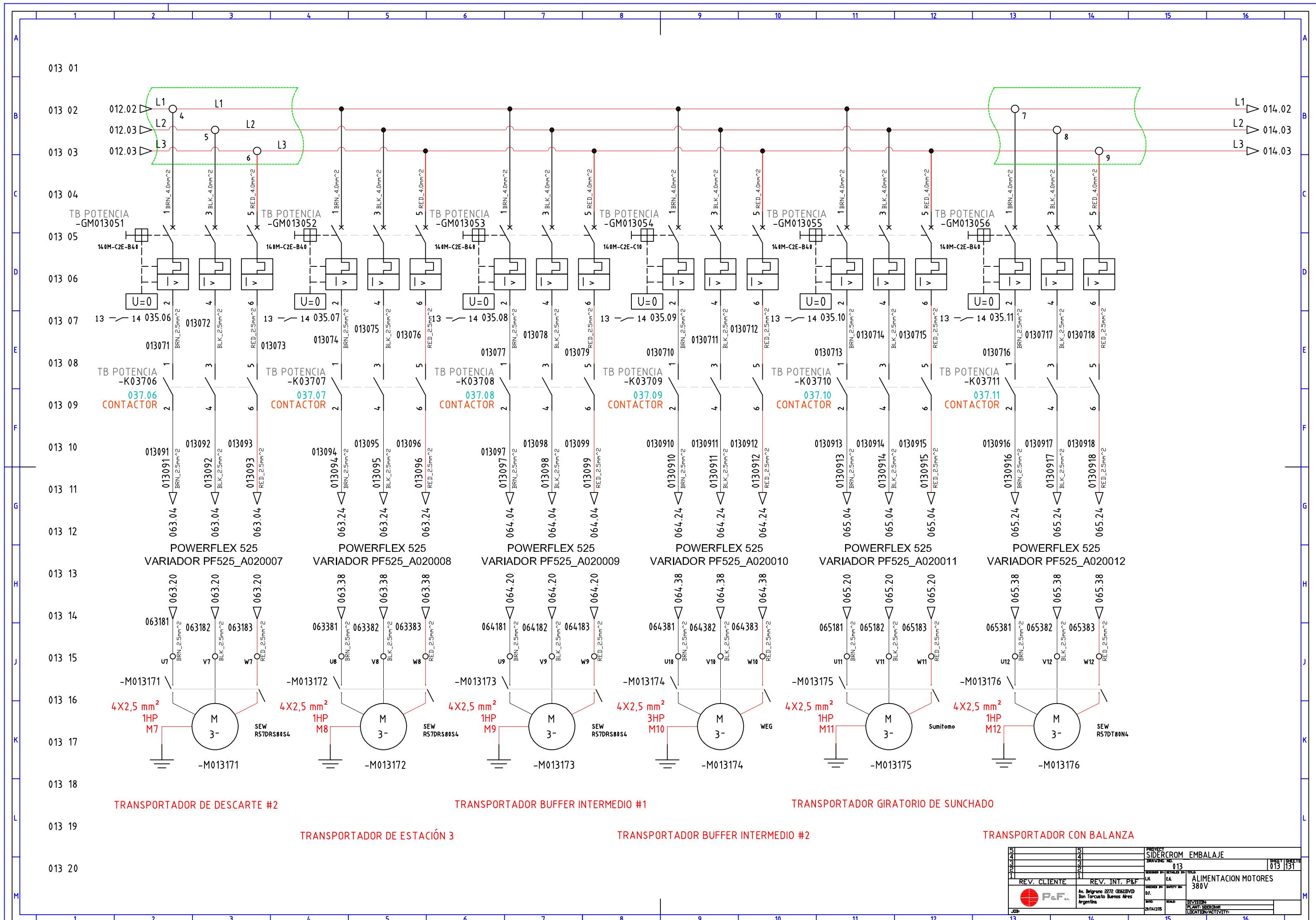
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4	4	DRAWING NO.	SHEET NO. SHEETS
3	3	005	005 131
2	2	REVISION BY: DATE ISSUED BY: TITLE:	
1	1	L.H.	E.G.
REV. CLIENTE		REV. INT. P&F	
 P&F		Av. Belgrano 2272 (B1610VVD) Don Torcuato Buenos Aires Argentina	
		CHECKED BY: SAFETY BD	
		D.F.	
		DATE ISSUED BY:	
		03/04/2015	SCALD DIVISION
		PLANT: SIDERCROM	
		LOCATION/ACTIVITY:	

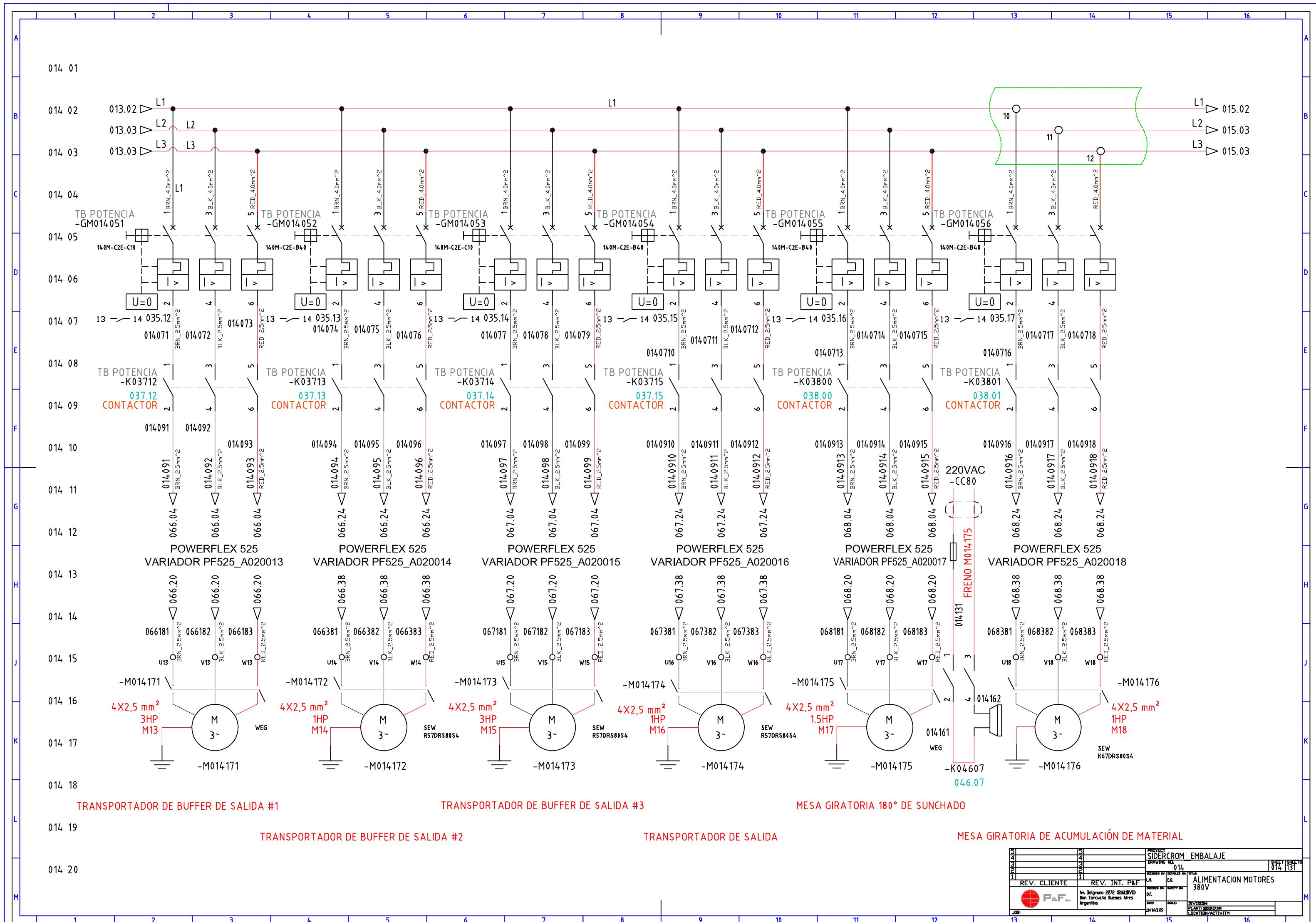
The image shows a horizontal sequence of 15 geometric shapes, each consisting of a polygonal frame with internal diagonal lines. The shapes are labeled sequentially from left to right: P, Q, W, E, R, C, I, P, U, T, I, T, S. Each shape's label is positioned directly below it. The labels are: P, Q, W, E, R, C, I, P, U, T, I, T, S.

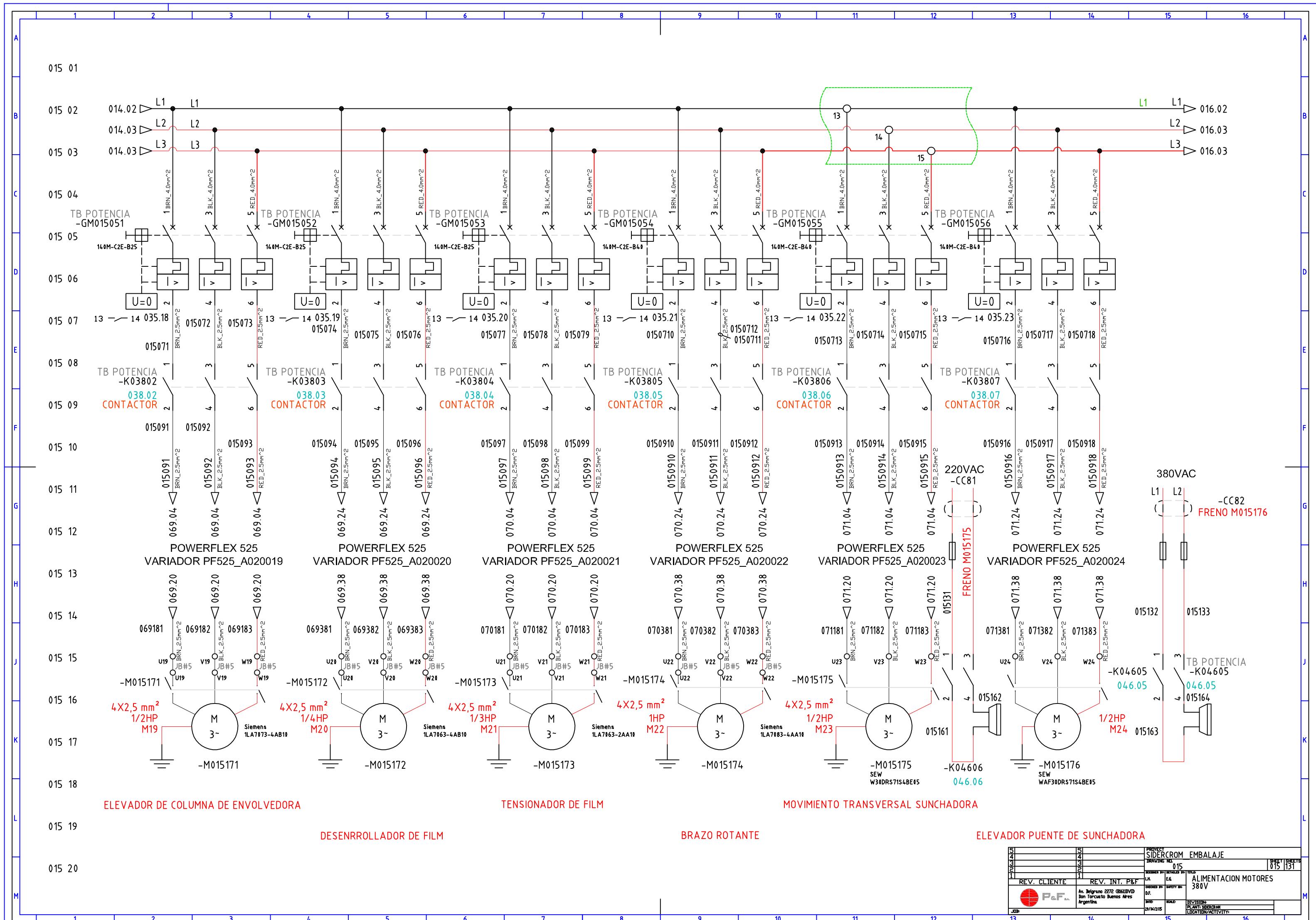
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4	4	DRAWING NO.	010	SHEET NO. 010 / 13
3	3			
2	2			
1	1	DESIGNER BY / RECHECKED BY / TITLE L.H. E.G. CARATULA REV. CLIENTE REV. INT. P&F POWER CIRCUITS		
 P&F S.A.		CHECKED BY / SAFETY BY D.F.		
		DATE ISSUED 01/01/15	VALID UNTIL PLANTS SIDERCROM	
		JOB NO.	DEPARTMENT / ACTIVITY DEPARTAMENTO / ACTIVIDAD	

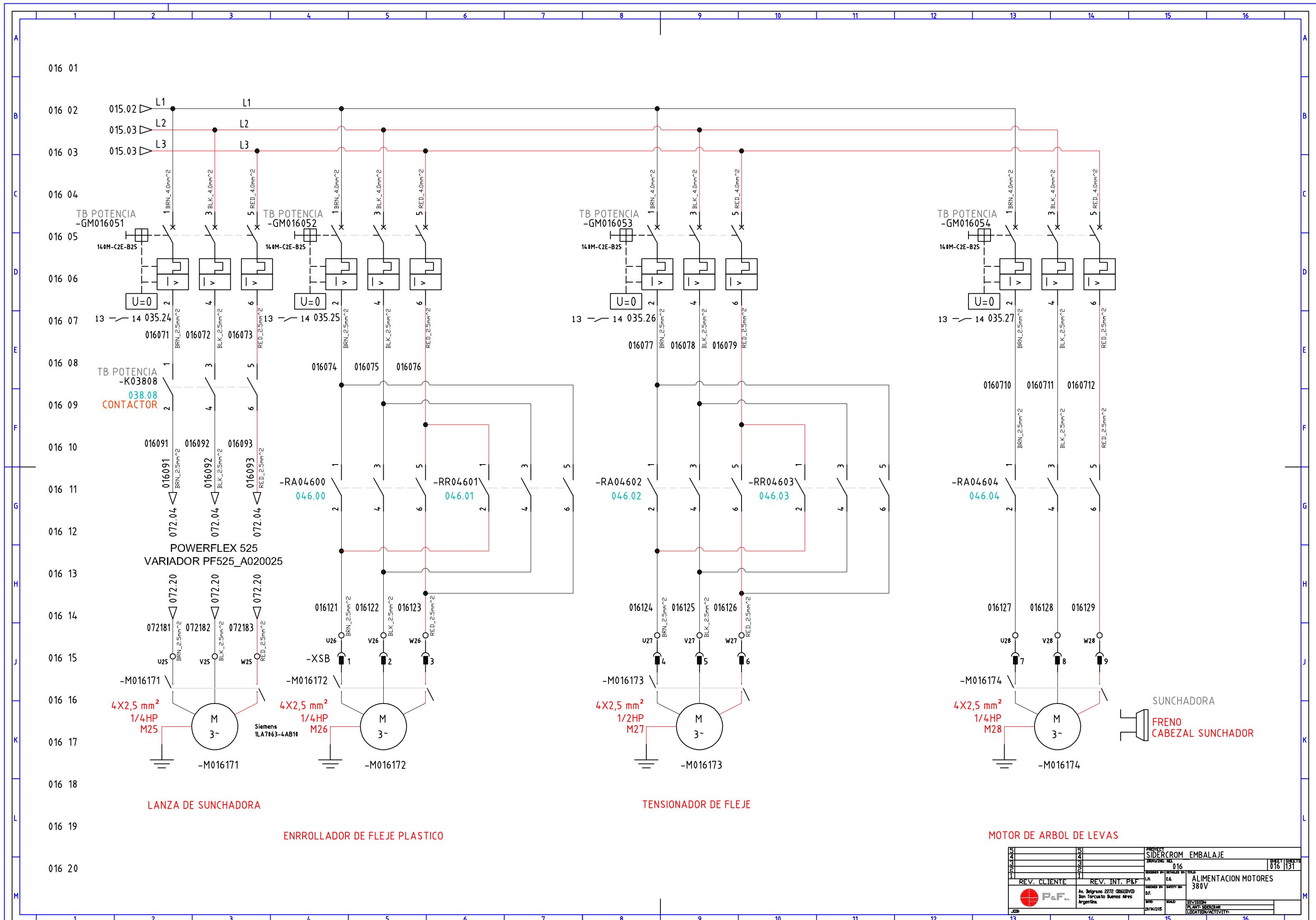


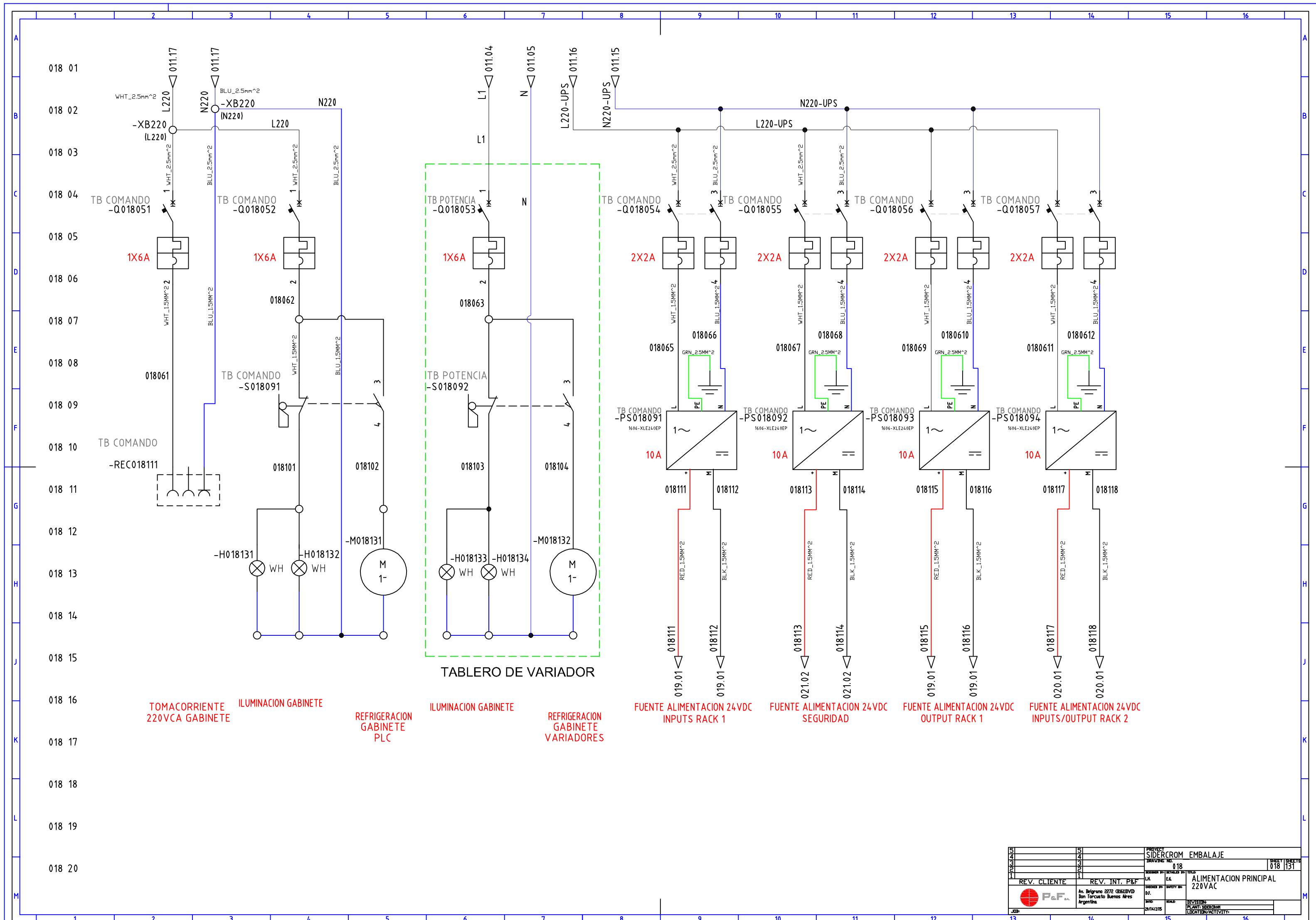


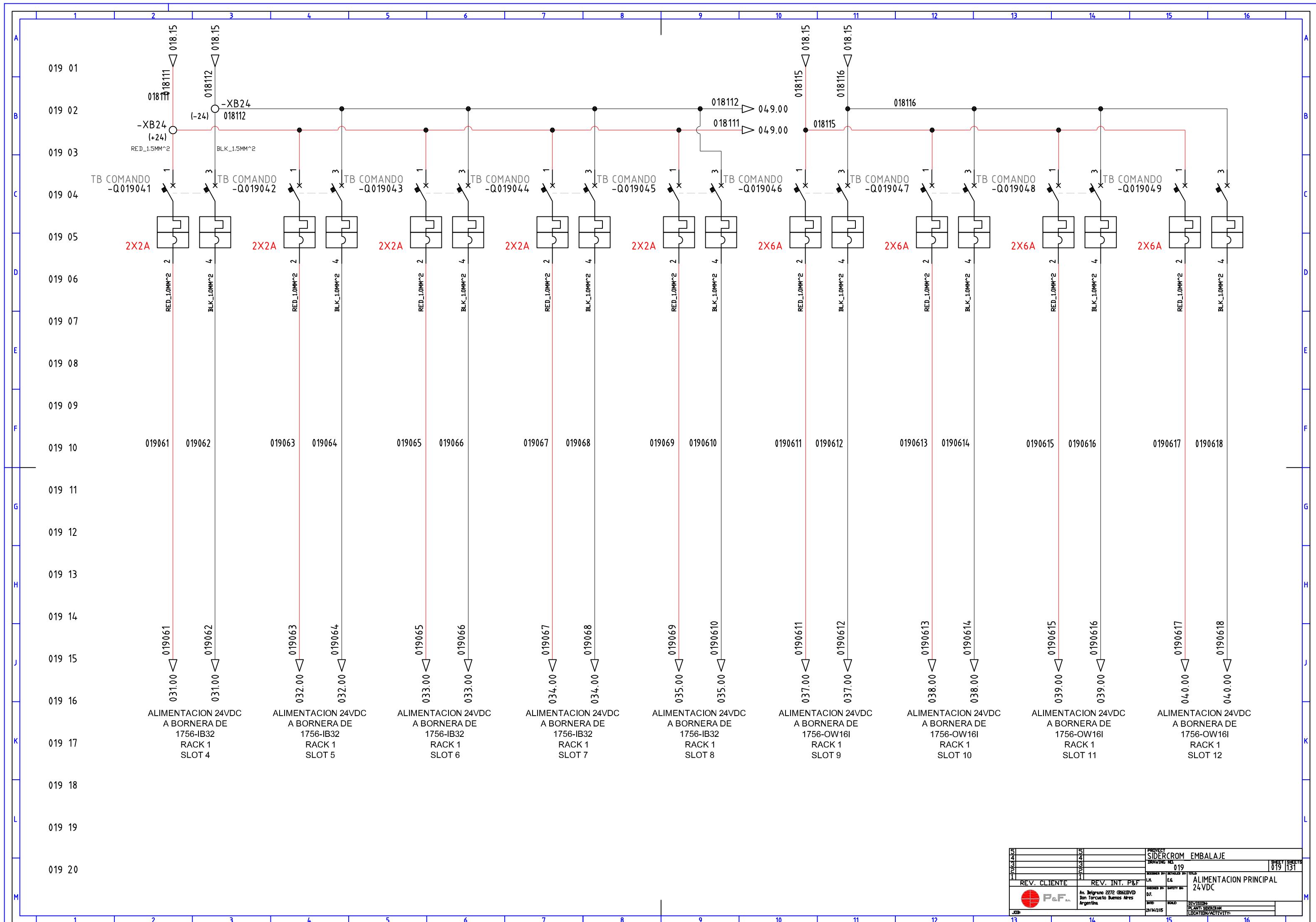


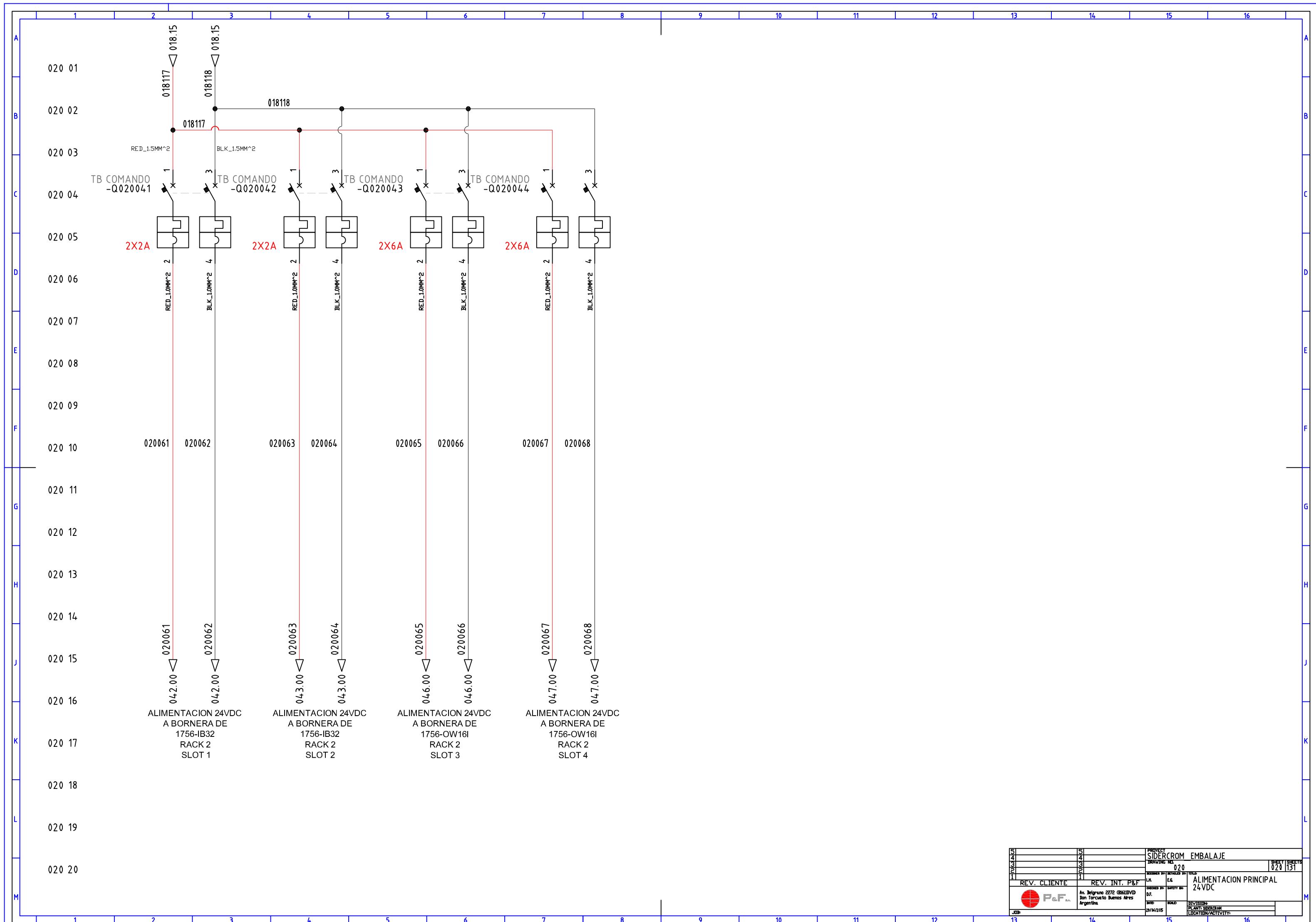




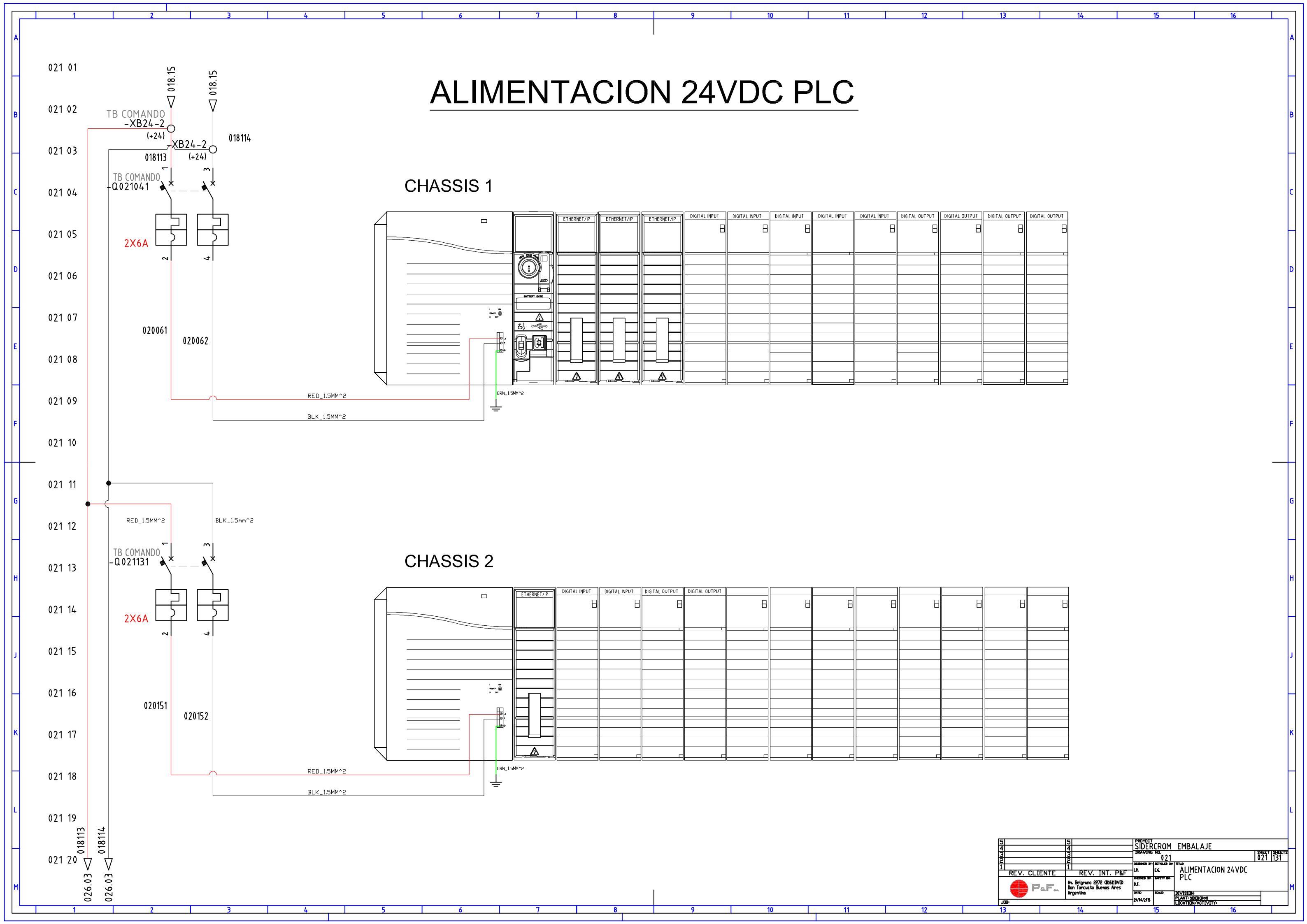




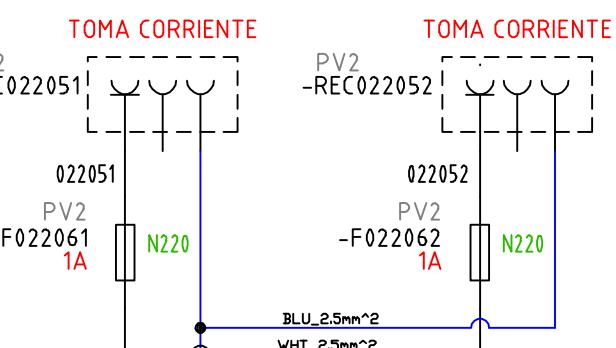




ALIMENTACION 24VDC PLC

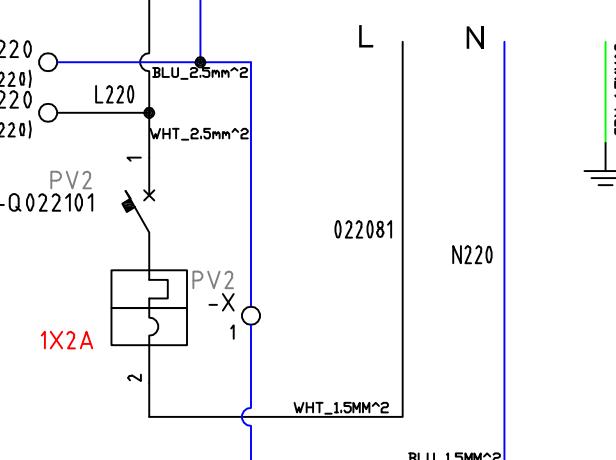


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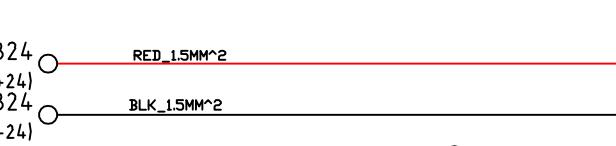
EXEMYS
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PV2



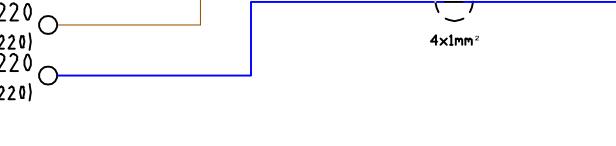
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PV1



EXEMYS
SSE232-1C4C-IA
192.168.101.20/24

PANELVIEW PLUS 6
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IP:192.168.101.10



EXEMYS
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PANELVIEW PLUS 6
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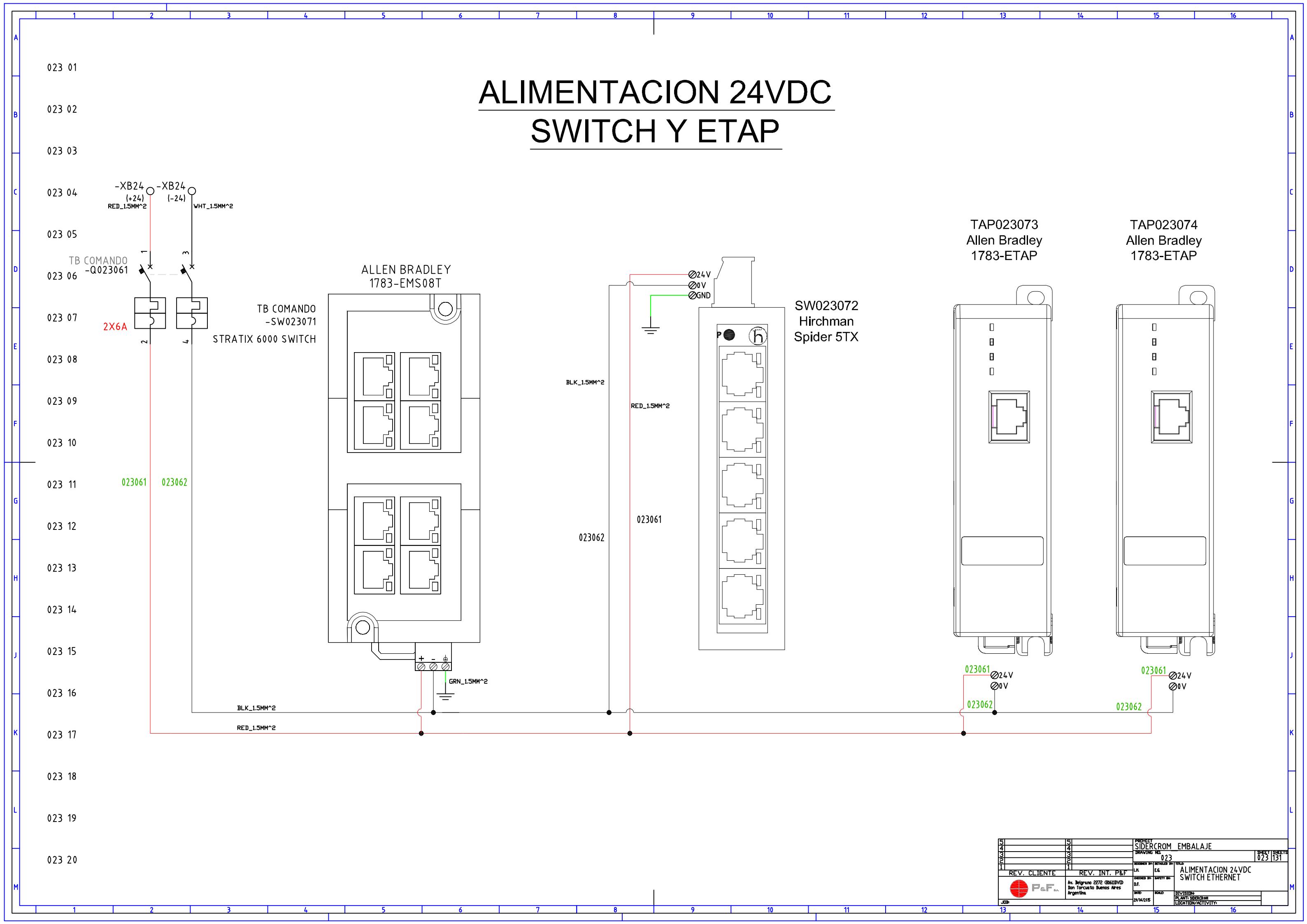


EXEMYS
SSE232-1C4C-IA
192.168.101.20/24

PROJECT		DRAWING NO.		SHEET	
SIDERCRON EMBALAJE		022		022	131
REVISION BY	DETAILED BY	REV. INT. P&F	REV. INT. P&F	SAFETY REC'D	SAFETY REC'D
P&F					
DATE: 19/14/215	TIME:	PLANT: SIDERCRON	LOCATION/ACTIVITY:		

ALIMENTACION 24VDC

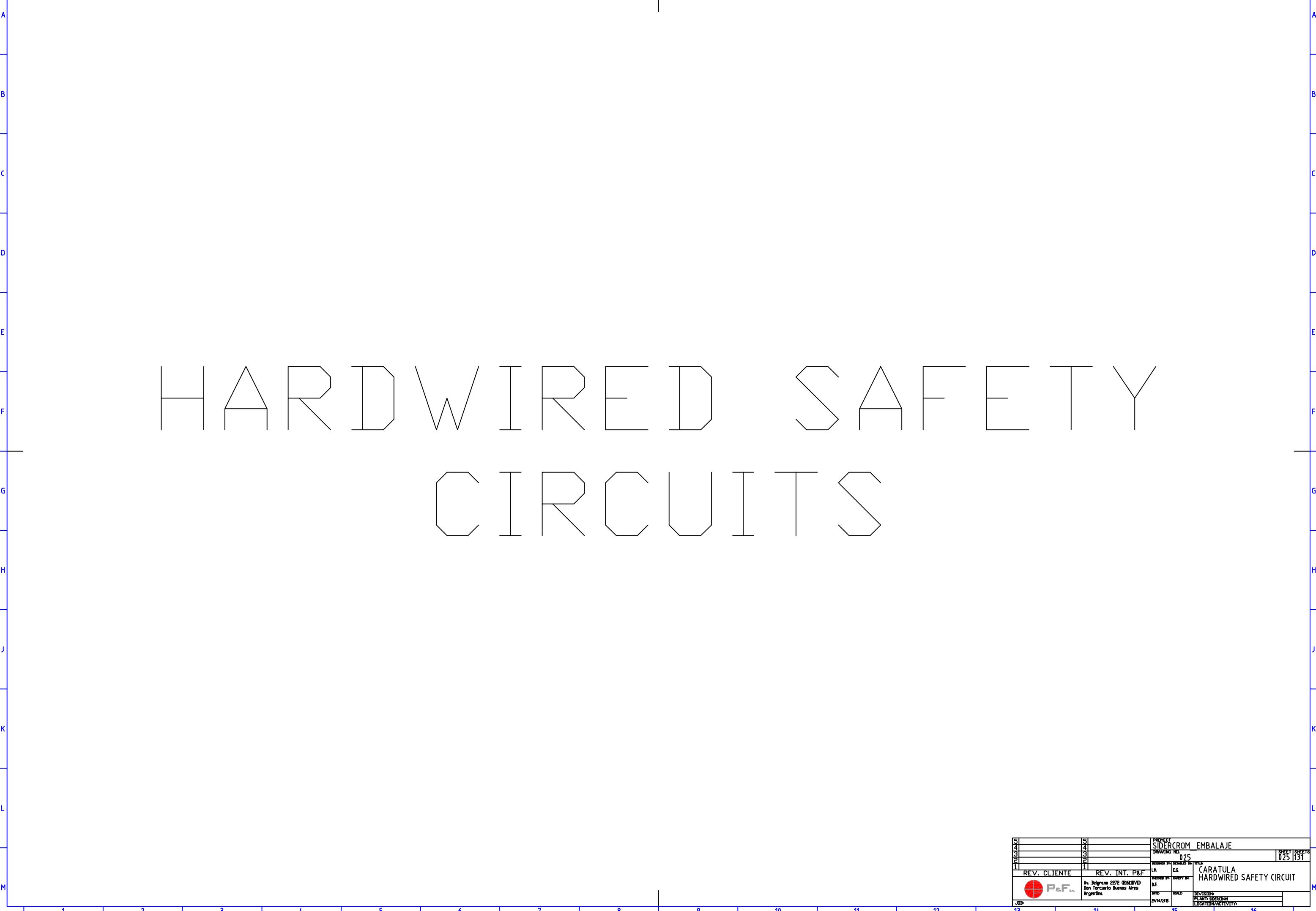
SWITCH Y ETAP



PROJECT		DRAWING NO.		SHEET	
SIDERCRON	EMBALAJE	023	131		
REVISION BY	DETAILED BY	LK	E6		
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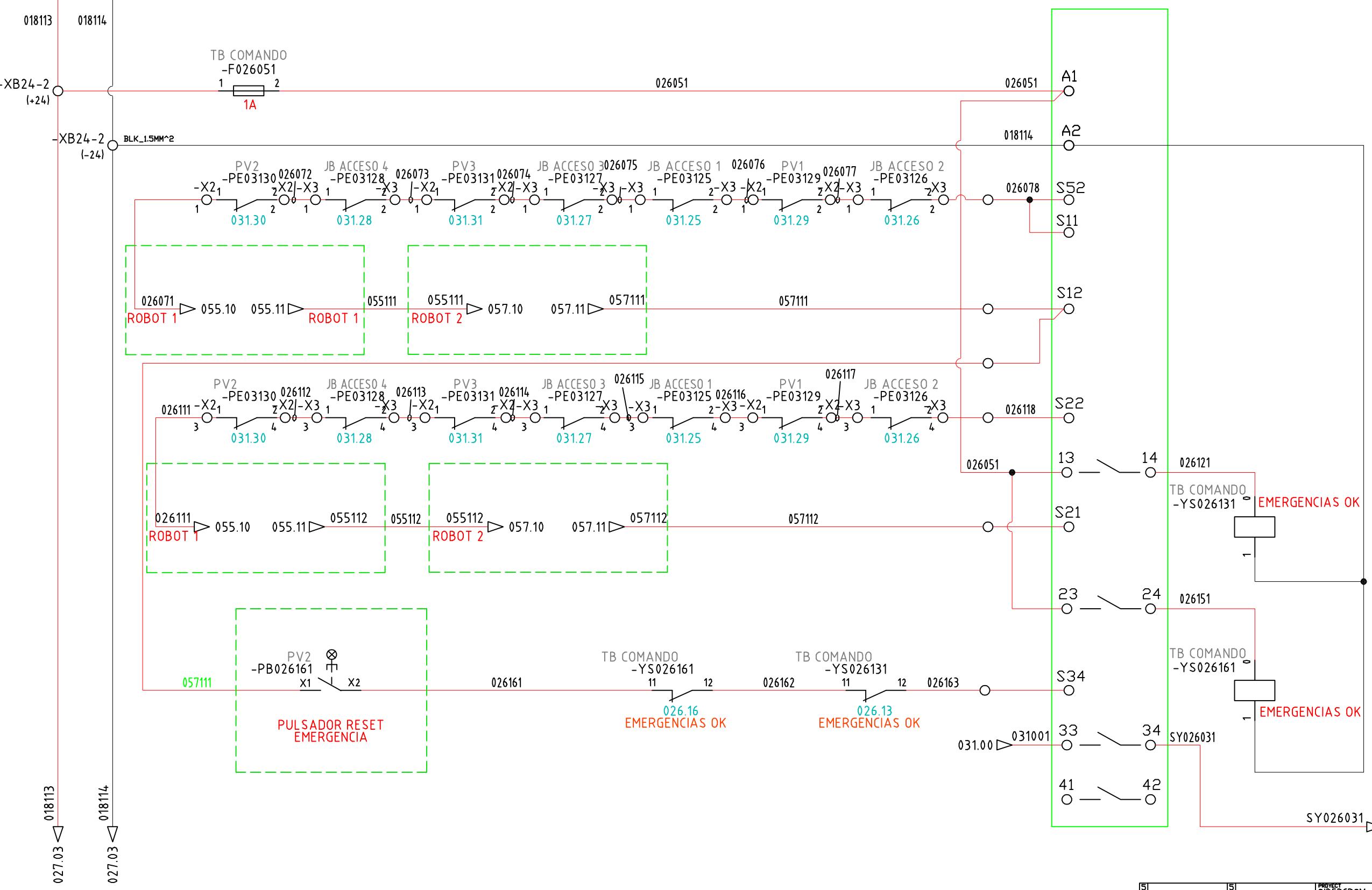
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RELE DE SEGURIDAD EMERGENCIAS

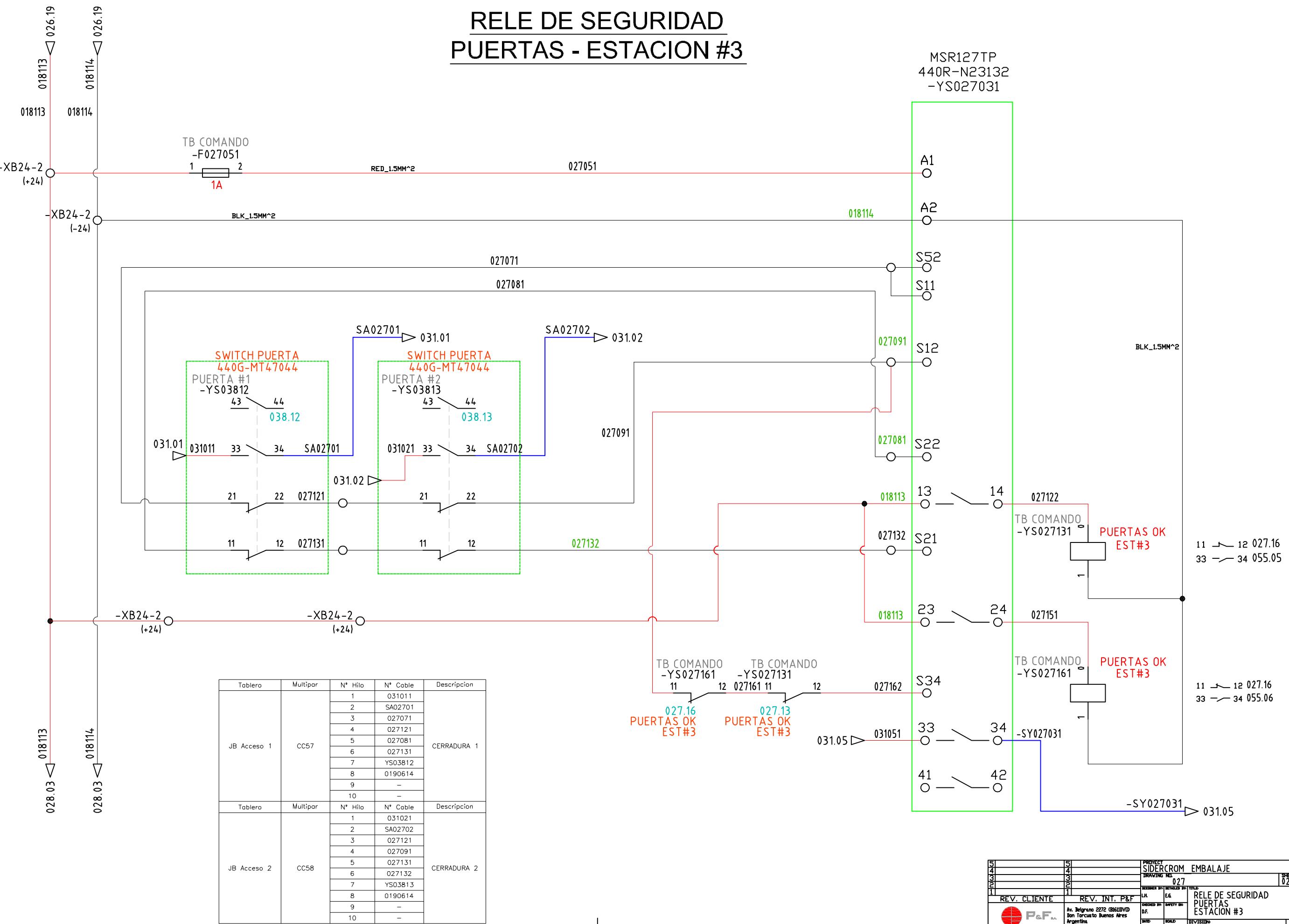
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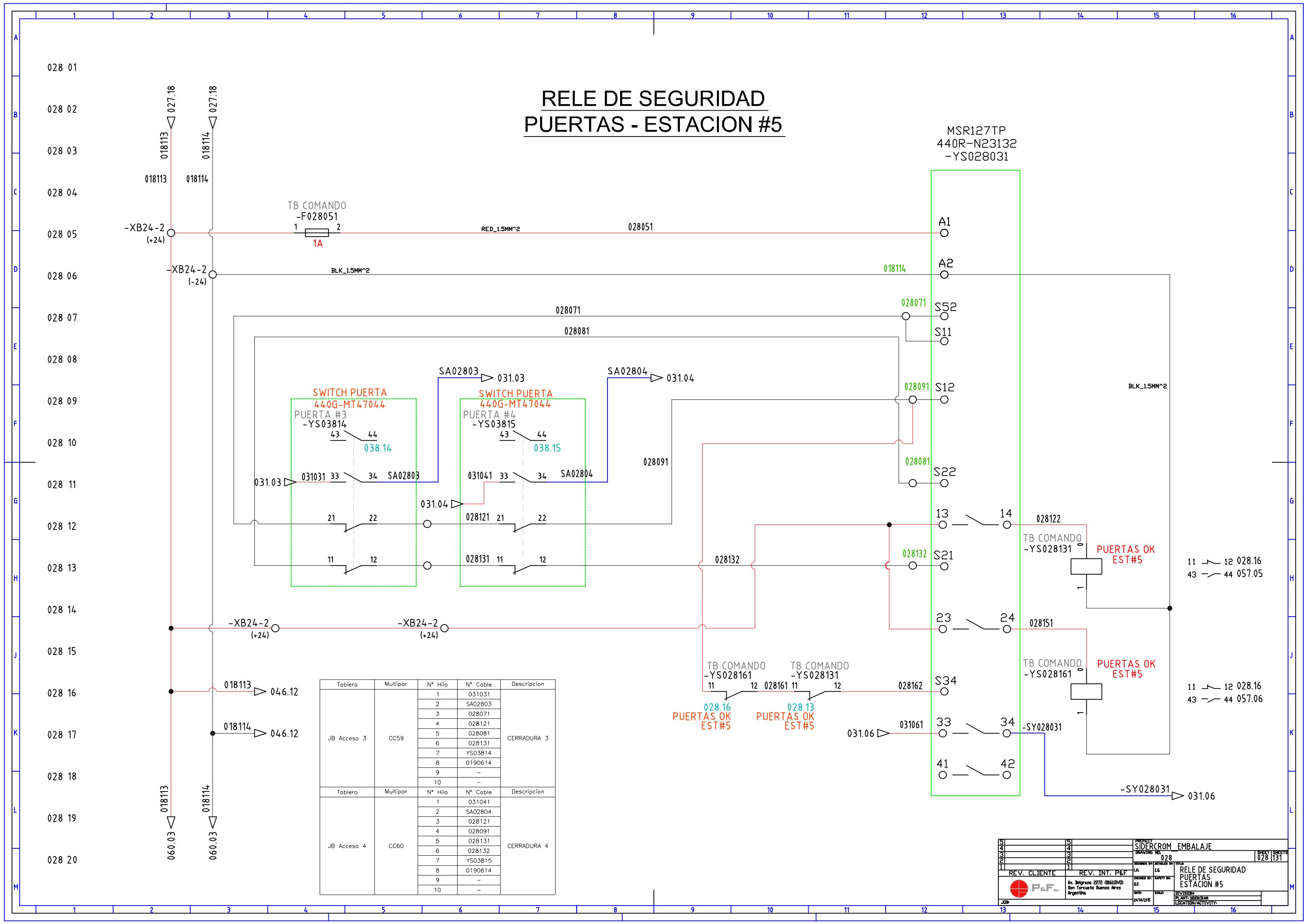
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4	4	DRAWING NO.	
3	3	026	SHEET NO. 026 OF 131
2	2	DESIGNER BY / DRAWER BY	TITLE
1	1	L.H. E.G.	RELE DE SEGURIDAD EMERGENCIAS
REV. CLIENTE		REV. INT. P&F	
 Av. Belgrano 2272 (C1611VID) Don Torcuato Buenos Aires Argentina			
JOB: 01/04/2015		DATE: 01/04/2015 PLANT: SIDERCROM LOCATION/ACTIVITY:	

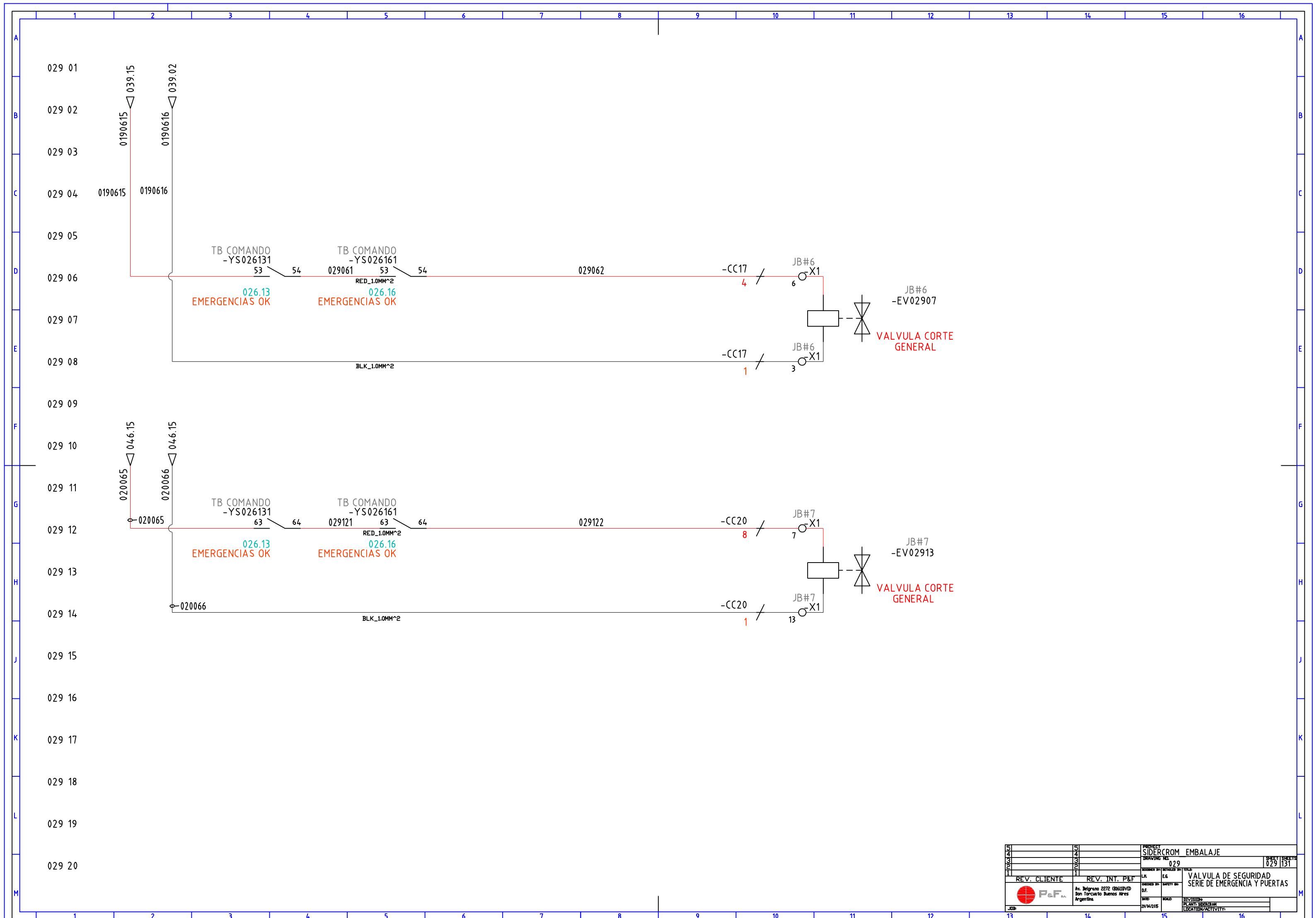
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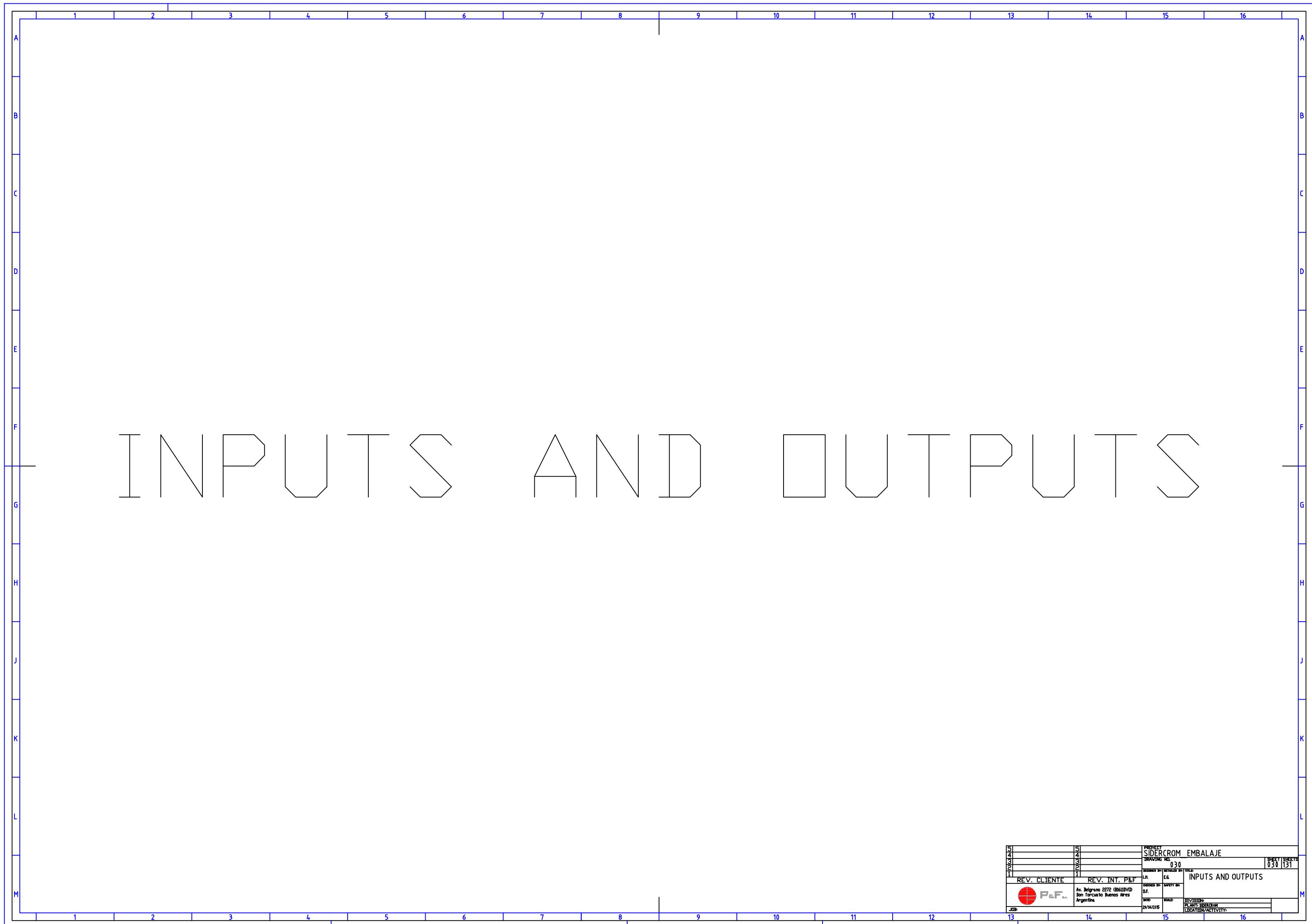


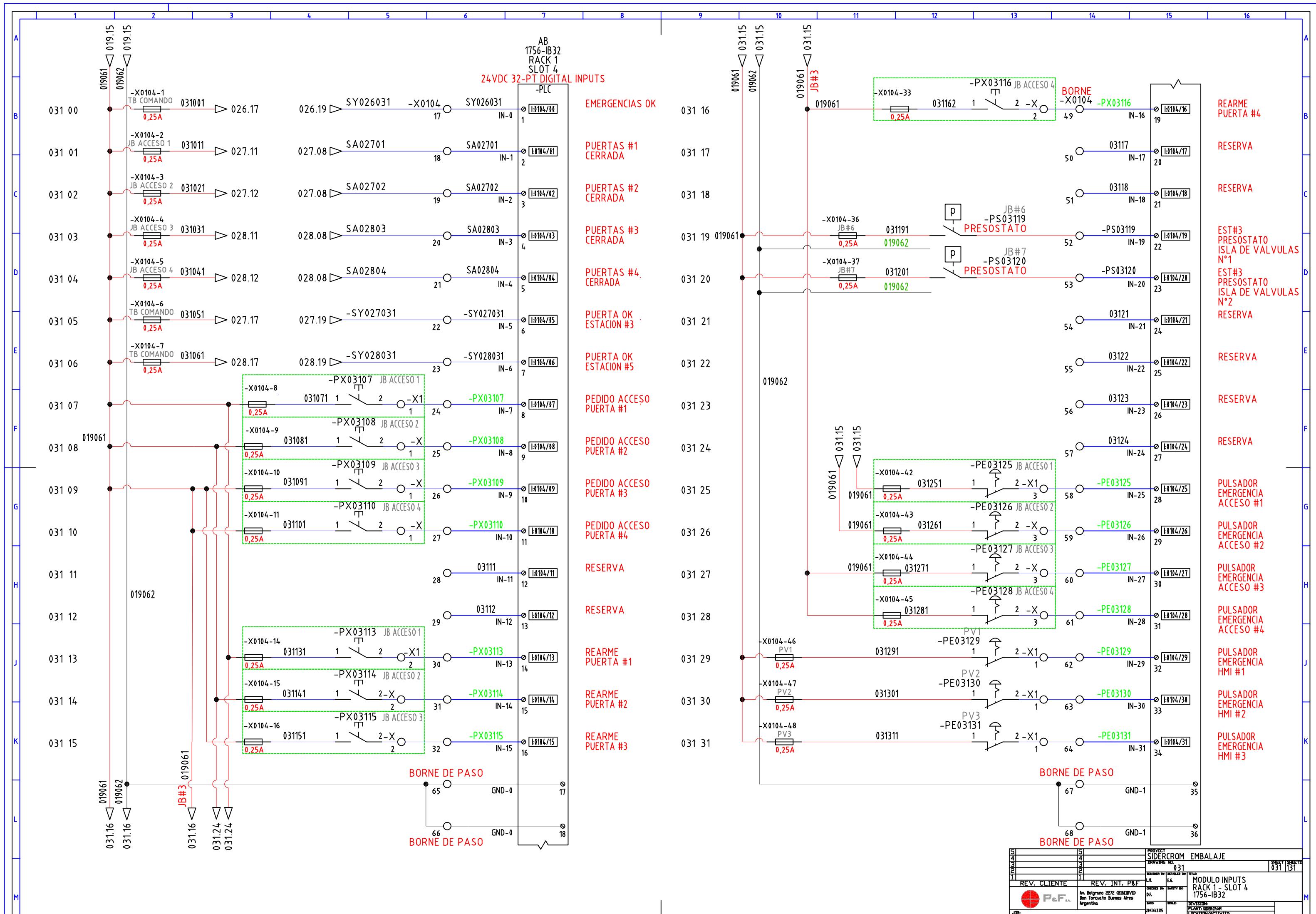
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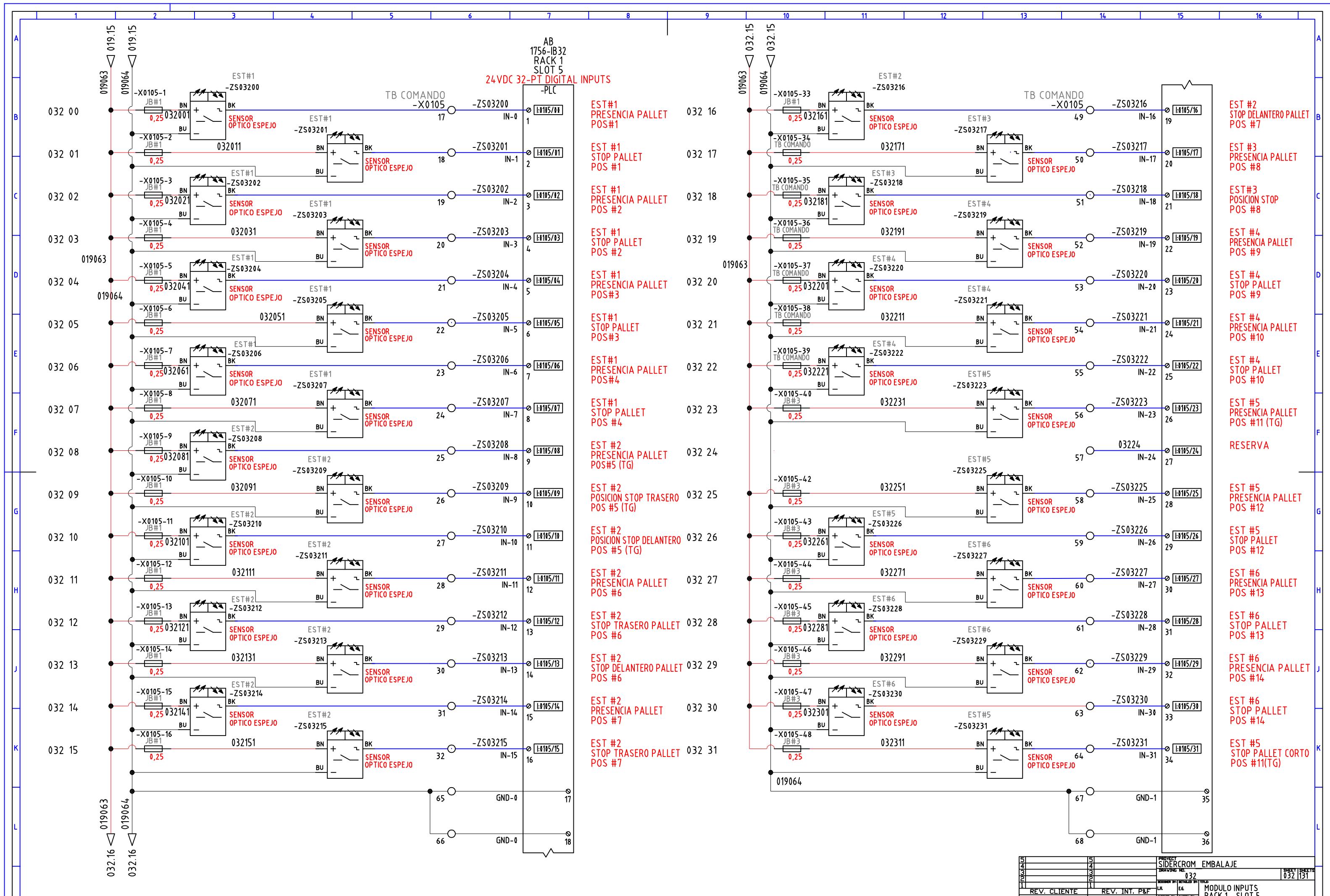




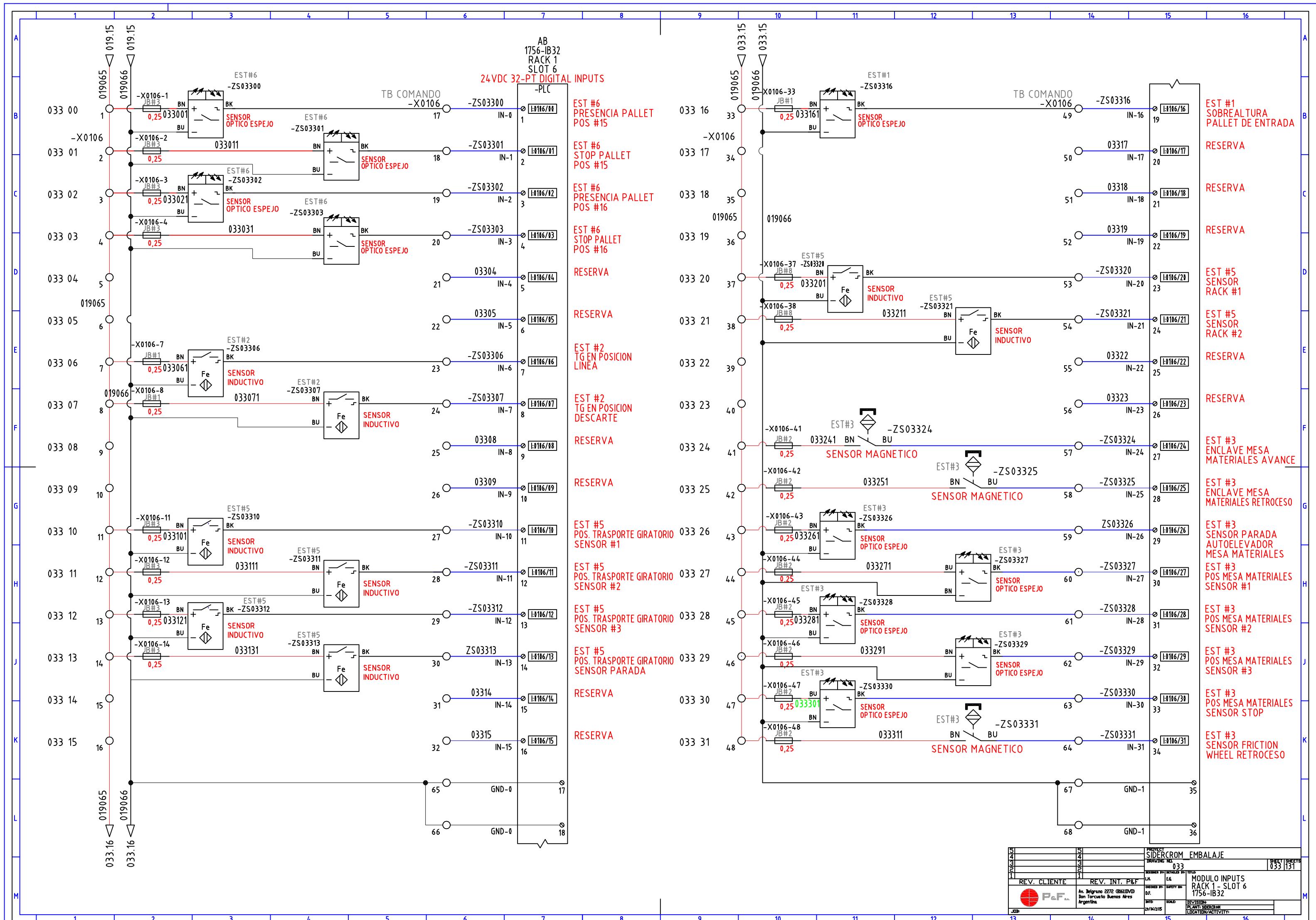
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REVIS. CLIENTE	REVIS. INT. P&F	LH	E6	VALVULA DE SEGURIDAD	
P&F		D.F.	S.A.F.T.Y	SERIE DE EMERGENCIA Y PUERTAS	
Av. Delgrado 2272 (BICUVID) Don Torcuato Buenos Aires Argentina		DAVID	ROLD	DIVISION: PLANT: SIDERCRON	
JOB:		13/14/215		LOCATION/ACTIVITY:	

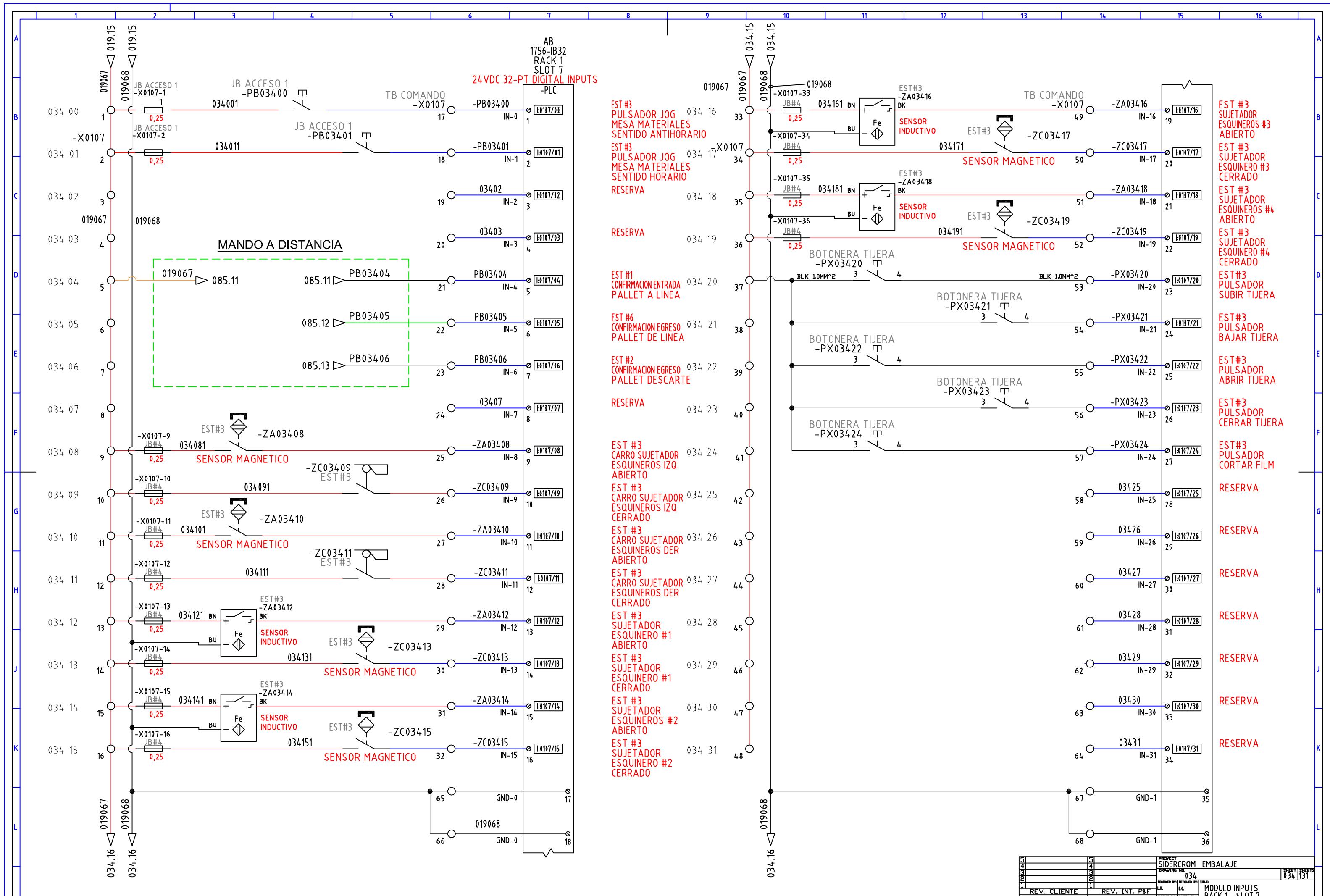


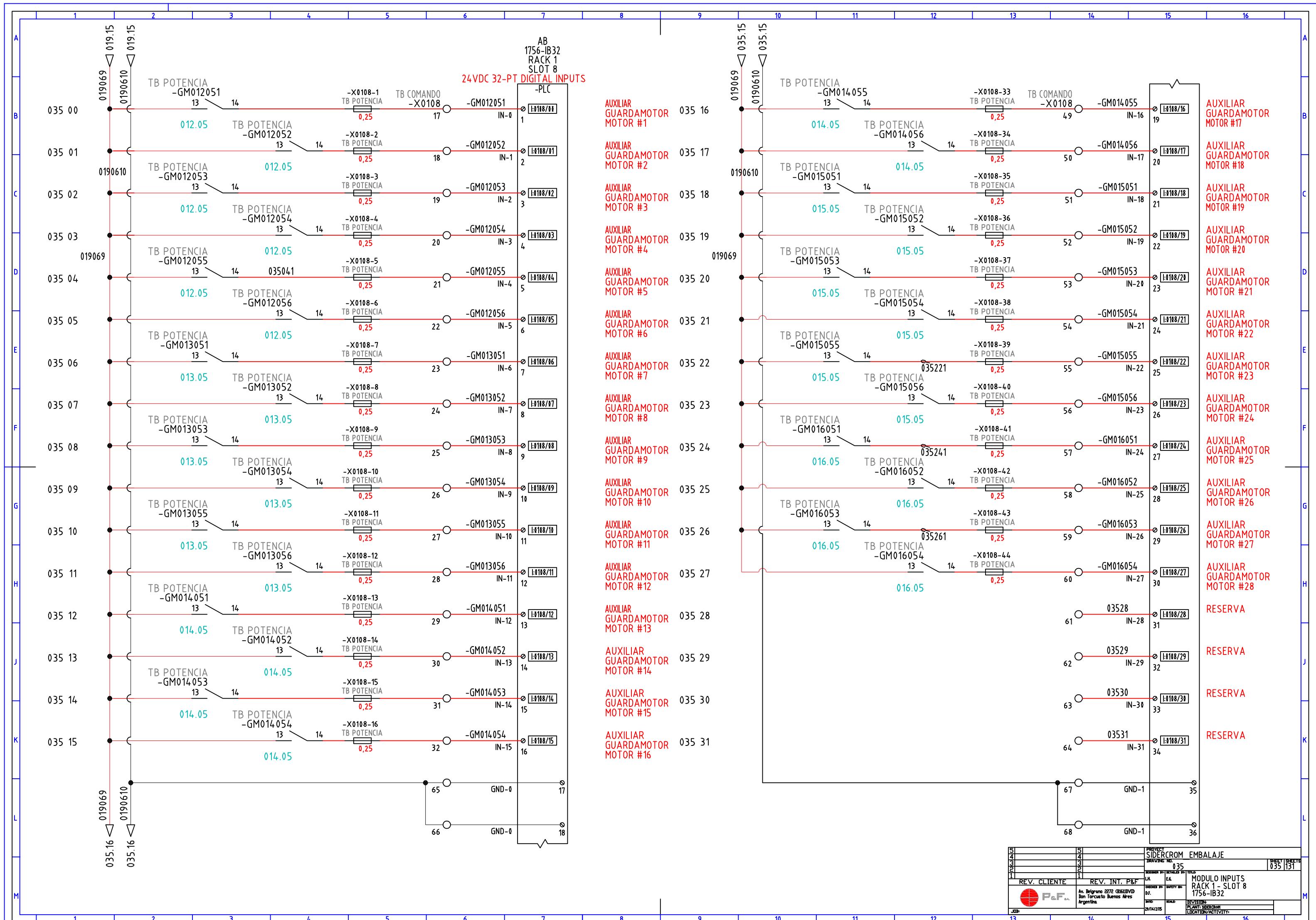


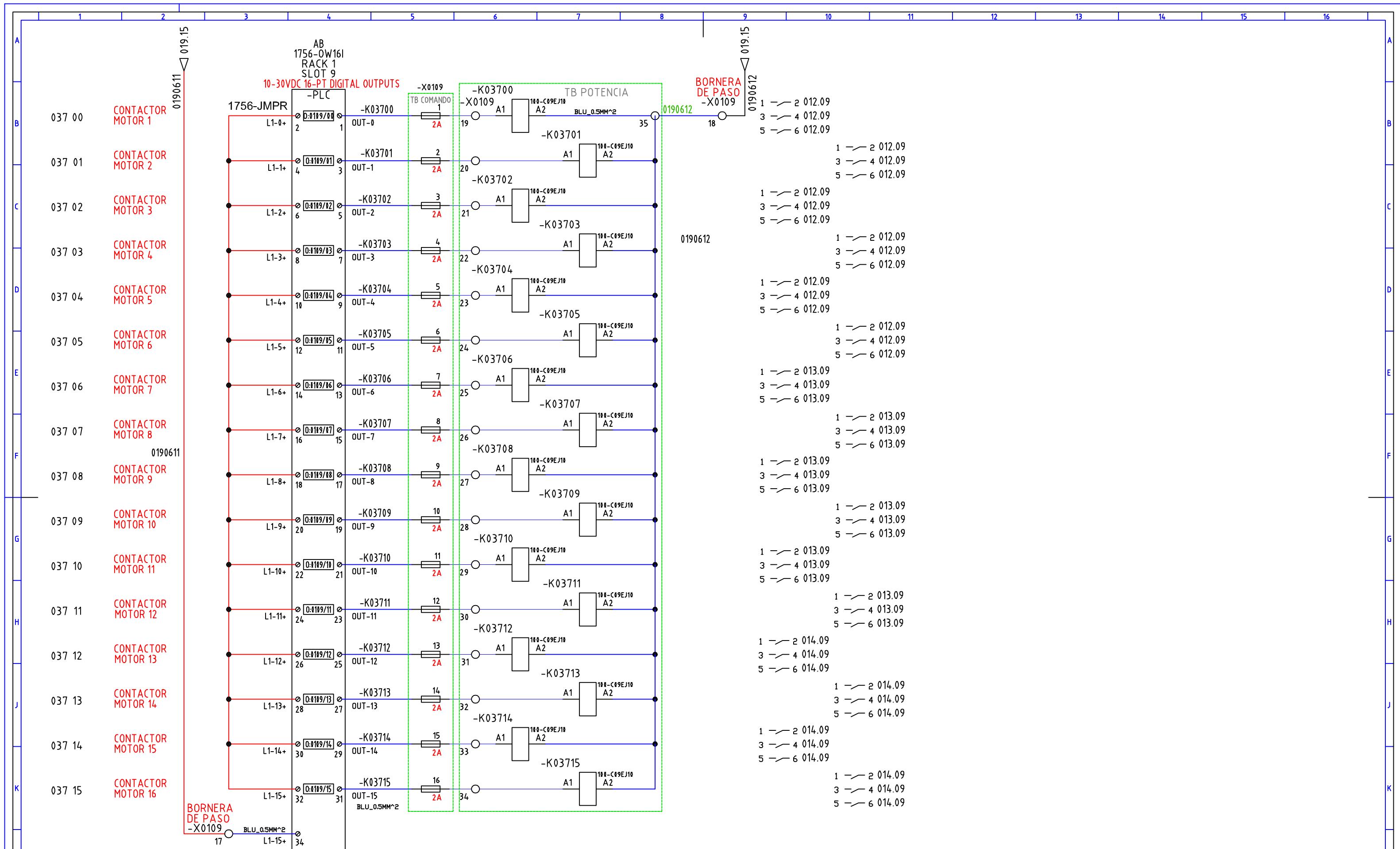


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4	4	DRAWING NO.	032	SHEET NO. 032 / 31
3	3	REVISION BY	RECEIVED BY	TITLE
2	2	E.G.		
1	1	REV. CLIENTE	REV. INT. P&F	MODULO INPUTS
		Av. Belgrano 2272 (C1610VWD)		RACK 1 - SLOT 5
		Bon Torcuato Buenos Aires		1756-B32
		Argentina		
		CHECKED BY	SAFETY BY	
		D.F.		
		SIGNED	SEALED	
		03/14/2015		
JOB:		INVENTORIES	PLANT: SIDERCRON	
		LOCATION:	ACTIVITY:	

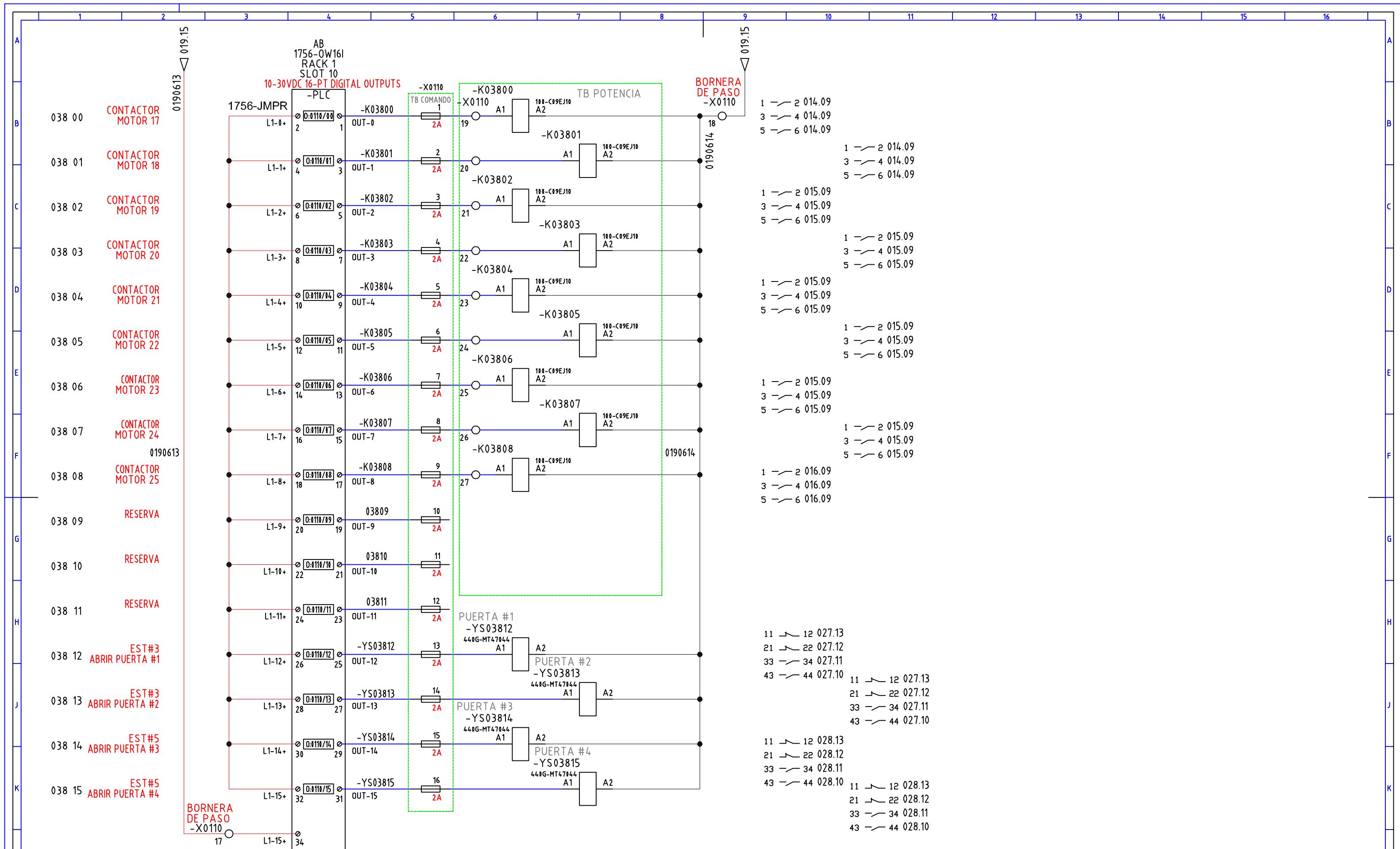




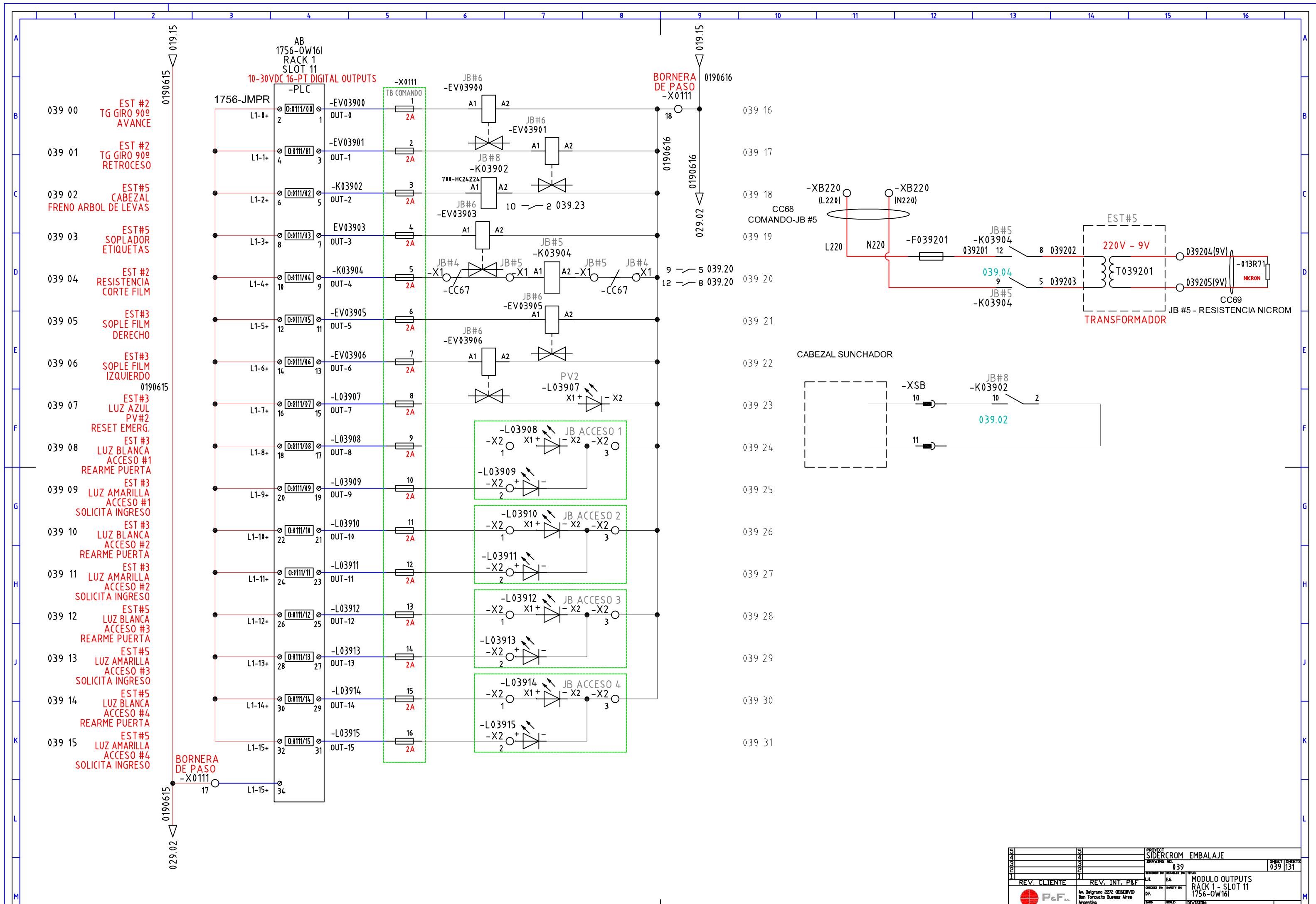




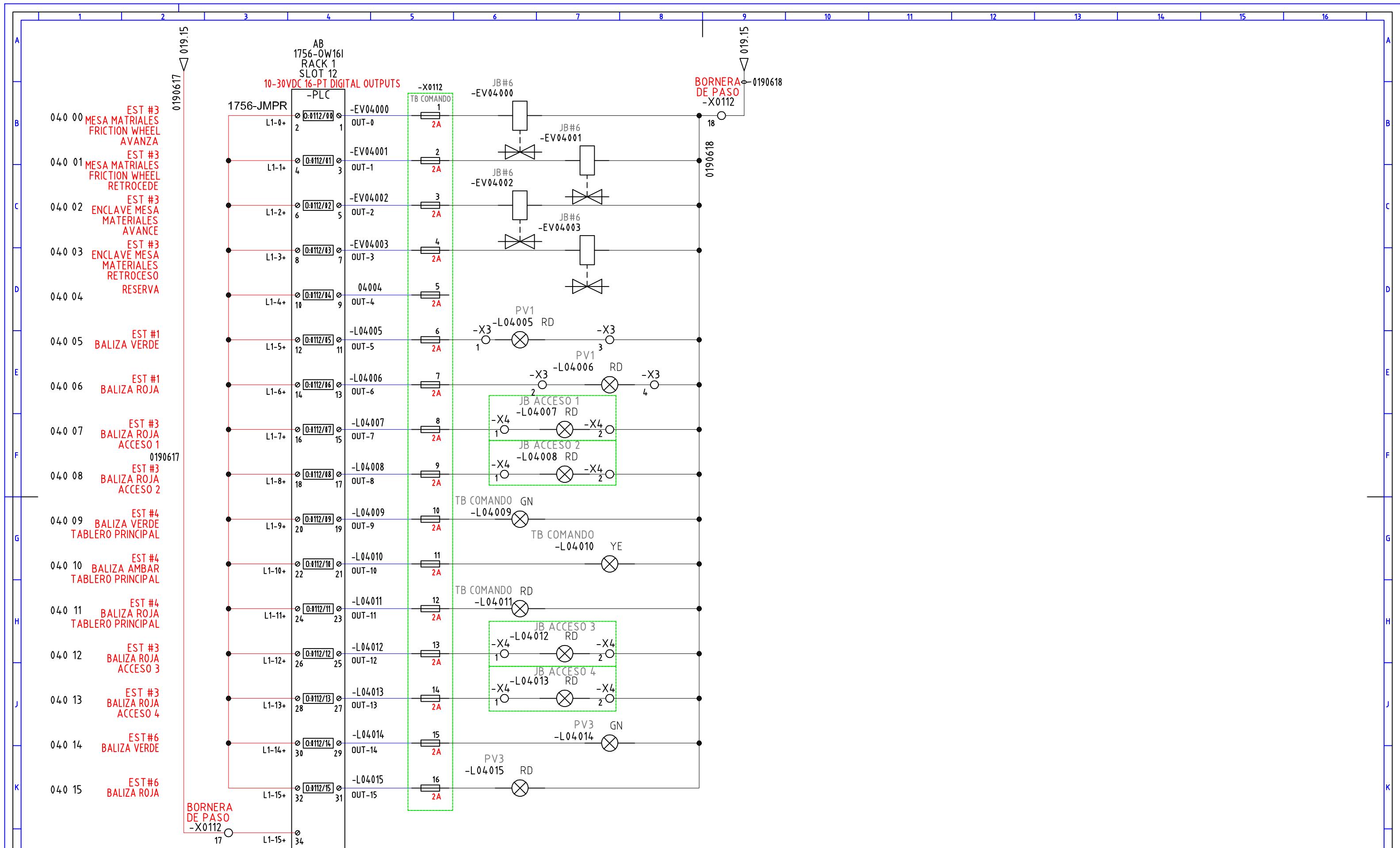
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4	DRAWING NO.	SHEET / SHEETS	
3	037	037	131
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1	DESIGNER BY : REV. CLIENTE	REVIEWED BY : REV. INT. P&F	TITLE : MODULO OUTPUTS
	L.I.L.	E.G.	RACK 1 - SLOT 9
	CHECKED BY : D.F.	SAFETY BY :	1756-0W161
	MATERIAL : 20/04/2017		
	DIVISION : PROYECTOS SIDERCRON		
	LOCATION / ACTIVITY : I		



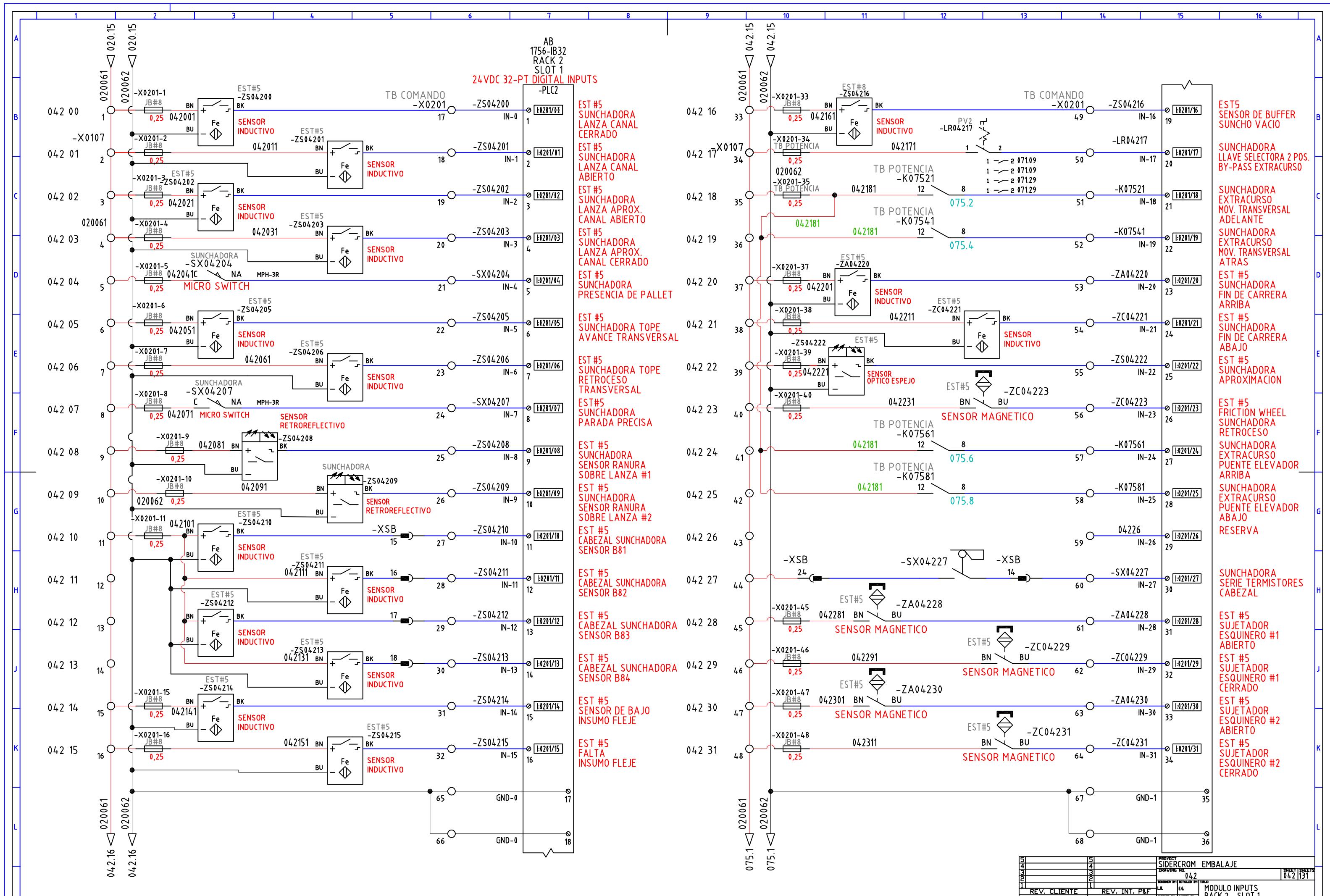
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4	DRAWING NO.	
3	038	
2		
1	REVISOR INT. REV. CLIENTE  P & F SRL	REVISOR INT. REV. INT. P&F Av. Belgrano 2272 (B1610DID) Don Torcuato Buenos Aires Argentina
LIL	E.E.	MODULO OUTPUTS RACK 1 - SLOT 10 1756-0W16!
CHECKED BY D.F.	Safety Eq.	
DATE 29/11/2015	REVISION 0.00	REMARKS PLANTACIONES 1 LOCATIONS ACTIVITY



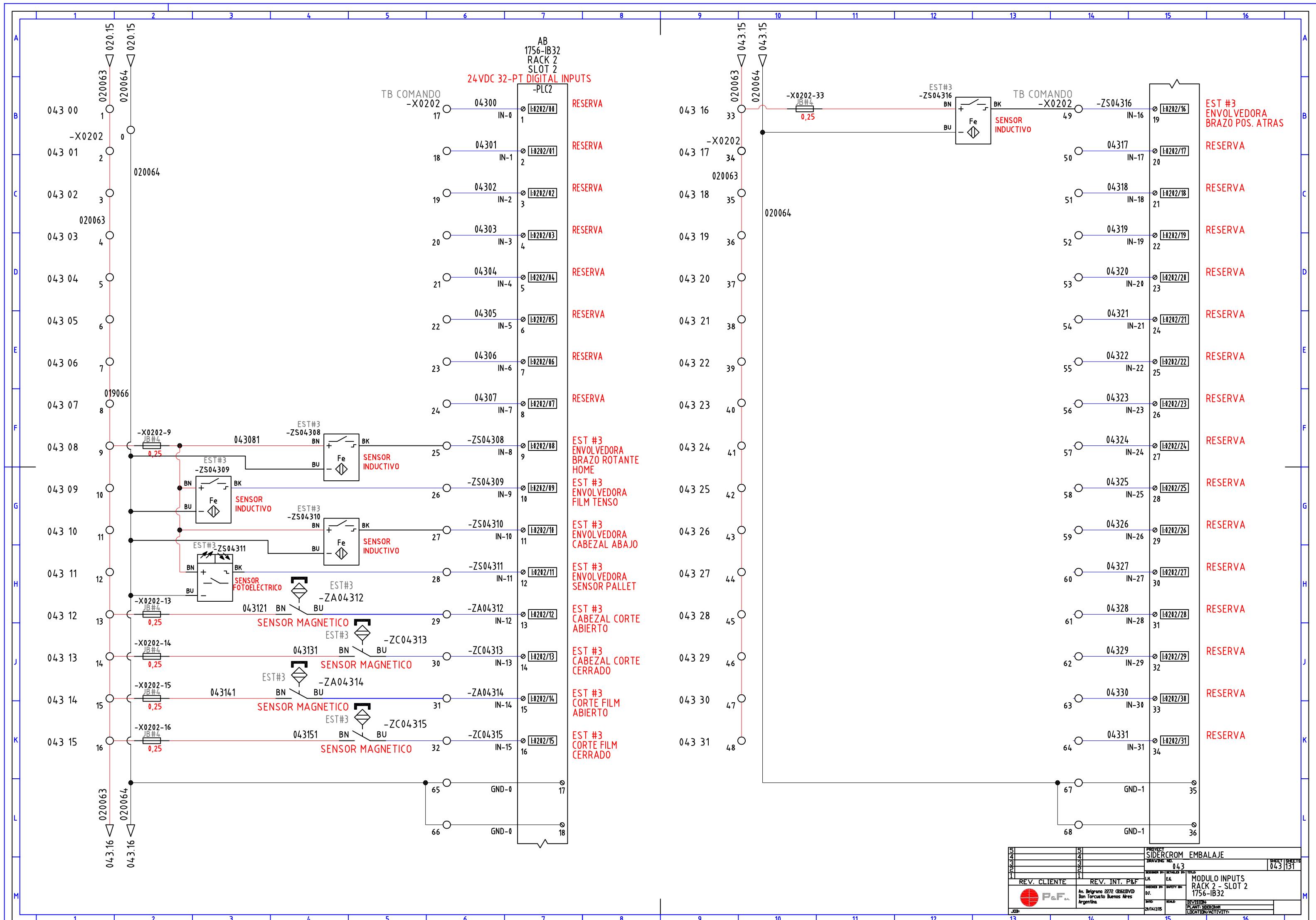
PROJECT		DRAWING NO.		SHEET	
SIDERCROM EMBALAJE		039		039 / 131	
REVISION BY	DETAILED BY	REV. INT. P&F	REV. CLIENTE	REV. INT. P&F	REVISION BY
P&F					
1	1				
2	2				
3	3				
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MODULO OUTPUTS RACK 1 - SLOT 11 1756-0W16I					
Av. Delgrado 2272 (CHIVIVD) Don Torcuato Buenos Aires Argentina					
DRAFTED BY: PLANT: SIDERCROM LOCATION/ACTIVITY: 03/14/215					

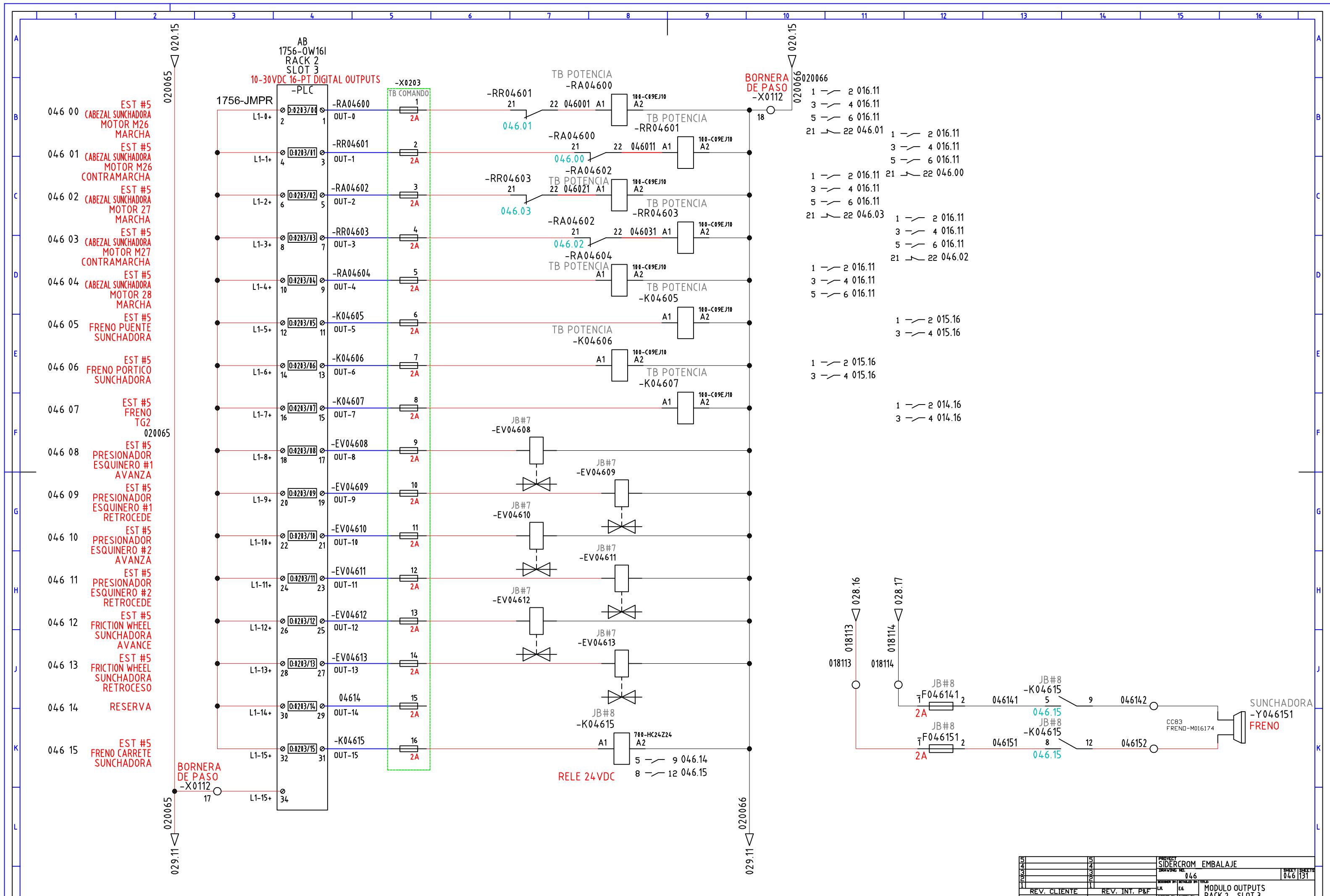


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4	DRAWING NO. 040		SHEET 040	SHEETS 131
3	REVISION BY D.F.		DETAILED BY / TITLE MODULO OUTPUTS RACK 1 - SLOT 12 1756-0W16I	
2	EG			
1	CHECKED BY / SAFETY BY D.F.			
REV. CLIENTE		REV. INT. P&F		
Av. Belgrano 2272 (B1610DD)D Don Torcuato Buenos Aires Argentina				
				
13/04/215		DIVISION PARTES SIDERCROM LOCATION/ACTIVTY 1756-0W16I		

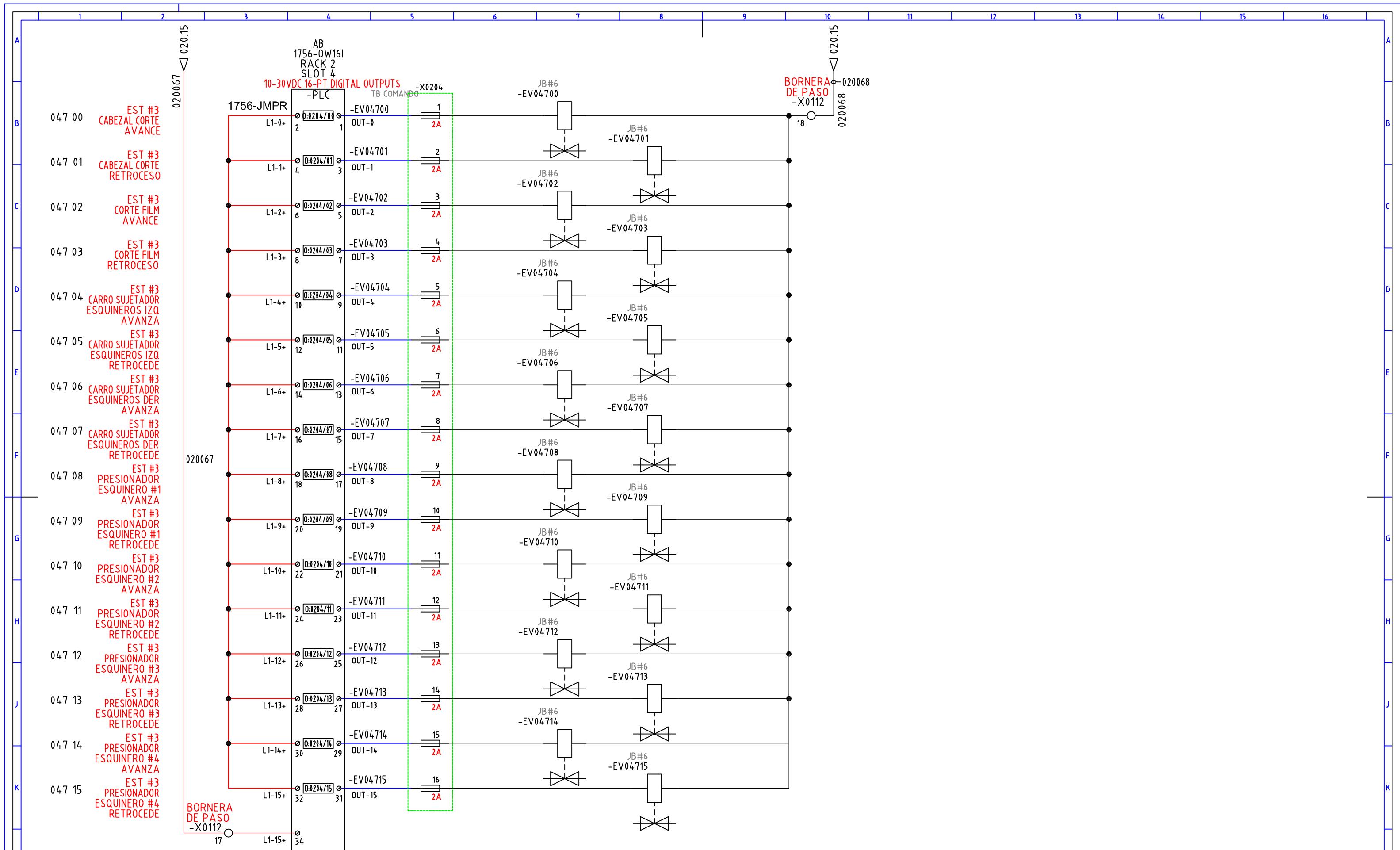


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4	DRAWING NO.			SHEET 042 OF 131	
3	042				
2					
1					
REV. CLIENTE		REV. INT. P&F		DESIGNER BY: E6 TITLE: MODULO INPUTS	
 P & F S.A.		Av. Belgrano 2272 (C1610BD) Don Torcuato Buenos Aires Argentina		CHECKED BY: SAFETY BD D.F. 1756-IB32	
				DRAFTED BY: E6	
				REVIEWED BY: E6	
				APPROVED BY: E6	
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				SCALE: NOT TO SCALE	
				DIVISION: PLANT SIDERCROM	
				LOCATION/ACTIVITY:	

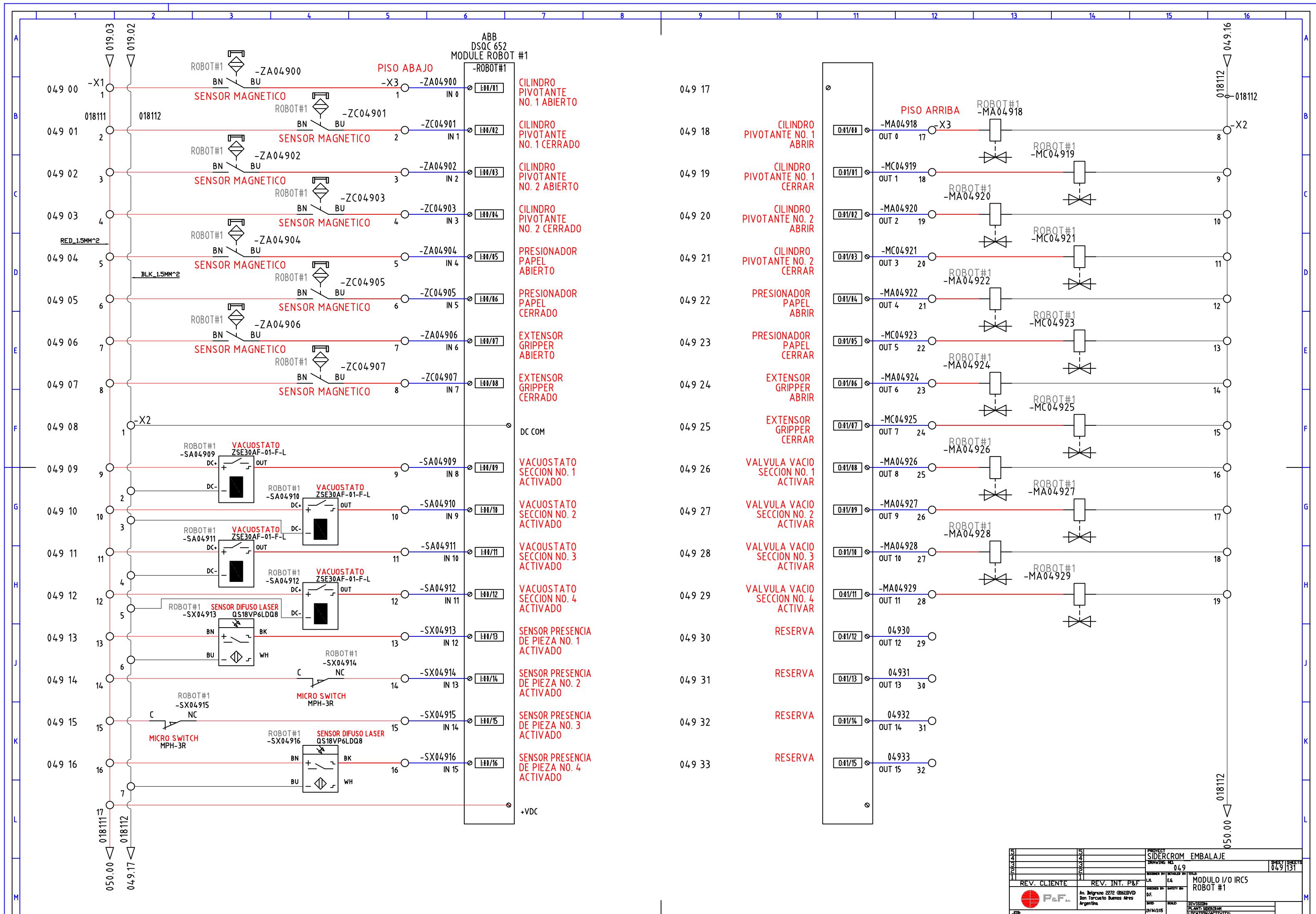


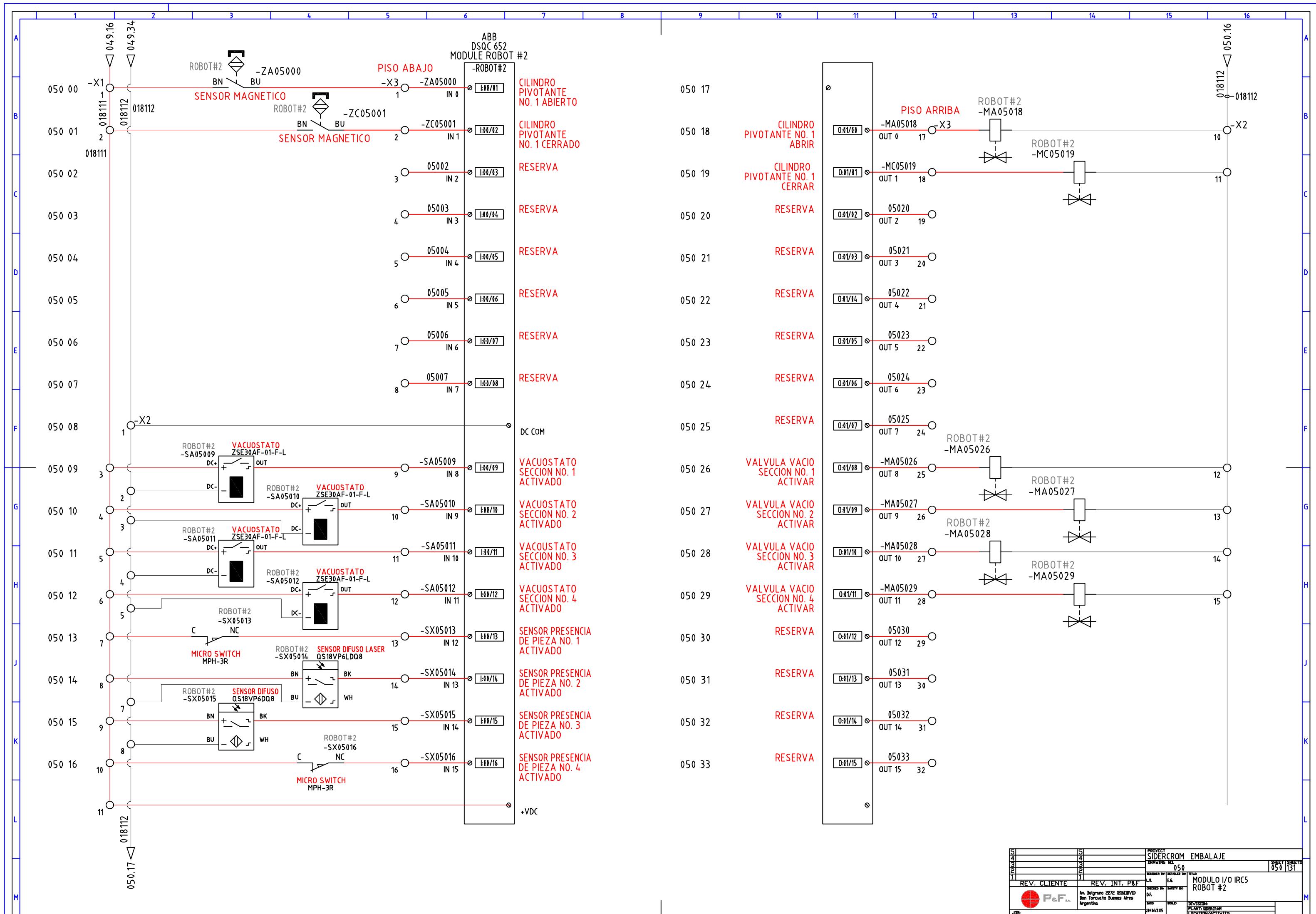


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4	DRAWING NO.	
3	046	
2	SHEET / SHEETS	
1	046 / 131	
REVISION BY / DATE ISSUED		TITLE
REV. CLIENTE		REV. INT. P&F
P & F S.A.		Av. Belgrano 2272 (B1610WDV) Don Torcuato Buenos Aires Argentina
CHECKED BY / SAFETY REC'D		MODULO OUTPUTS RACK 2 - SLOT 3 1756-OW161
D.F.		
SIGNED	DATE	APPROVED
	29/12/2015	GENERAL SIDERCROM LOCATION: SIDERCROM LOCATION/ACTIVITY:

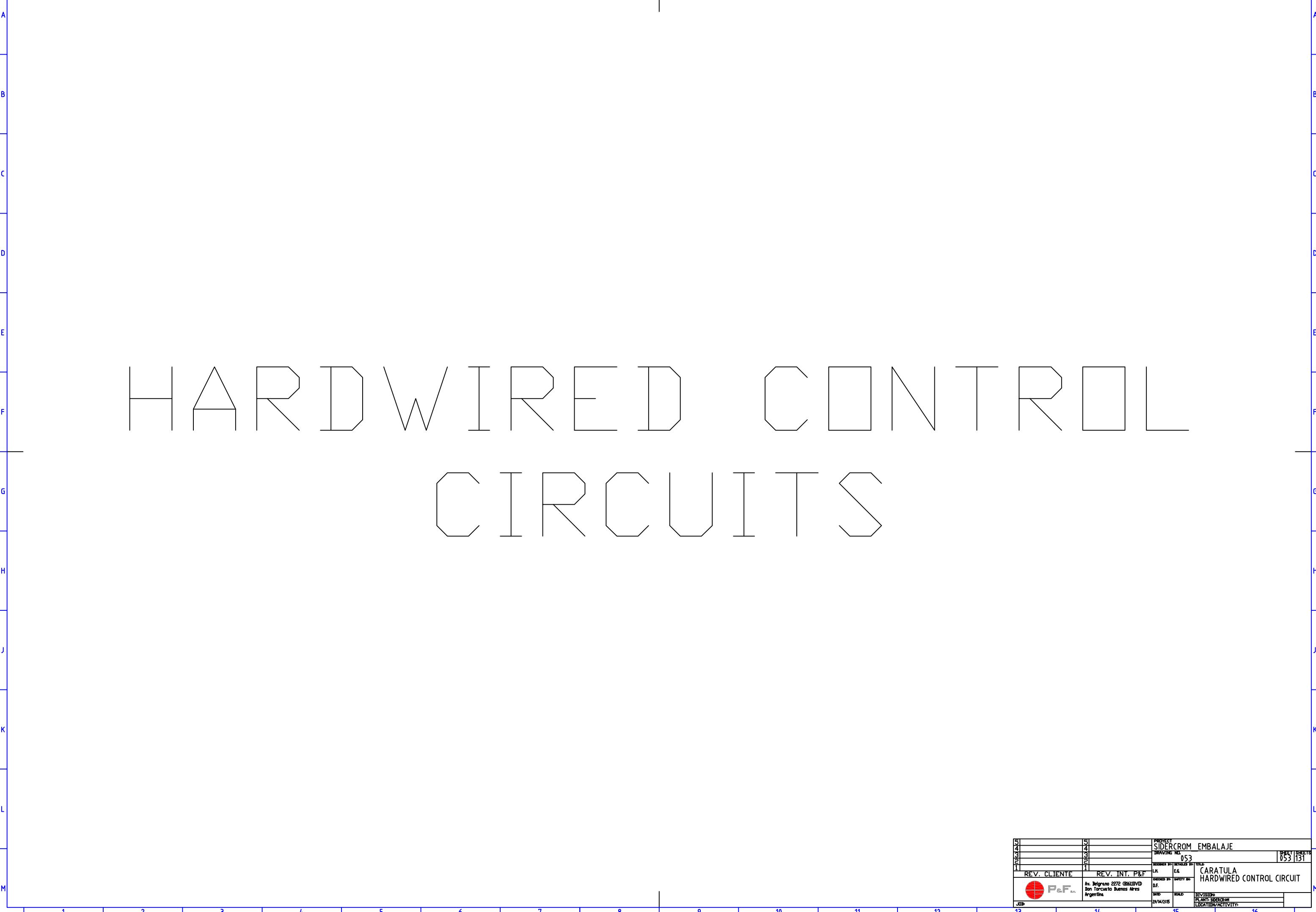


PROJECT		DRAWING NO.		SHEETS	
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REVIS. CLIENTE	REVIS. INT. P&F	REVIS. BY	REVIS. BY	DETALLADO BY	DETALLADO BY
P&F		LH	E.G.	D.F.	S.A.F.T.Y.
Av. Delgrado 2272 (B1410VDF)					
Don Torcuato Buenos Aires					
Argentina					
JOB					
MODULO OUTPUTS					
RACK 2 - SLOT 4					
1756-0W16I					



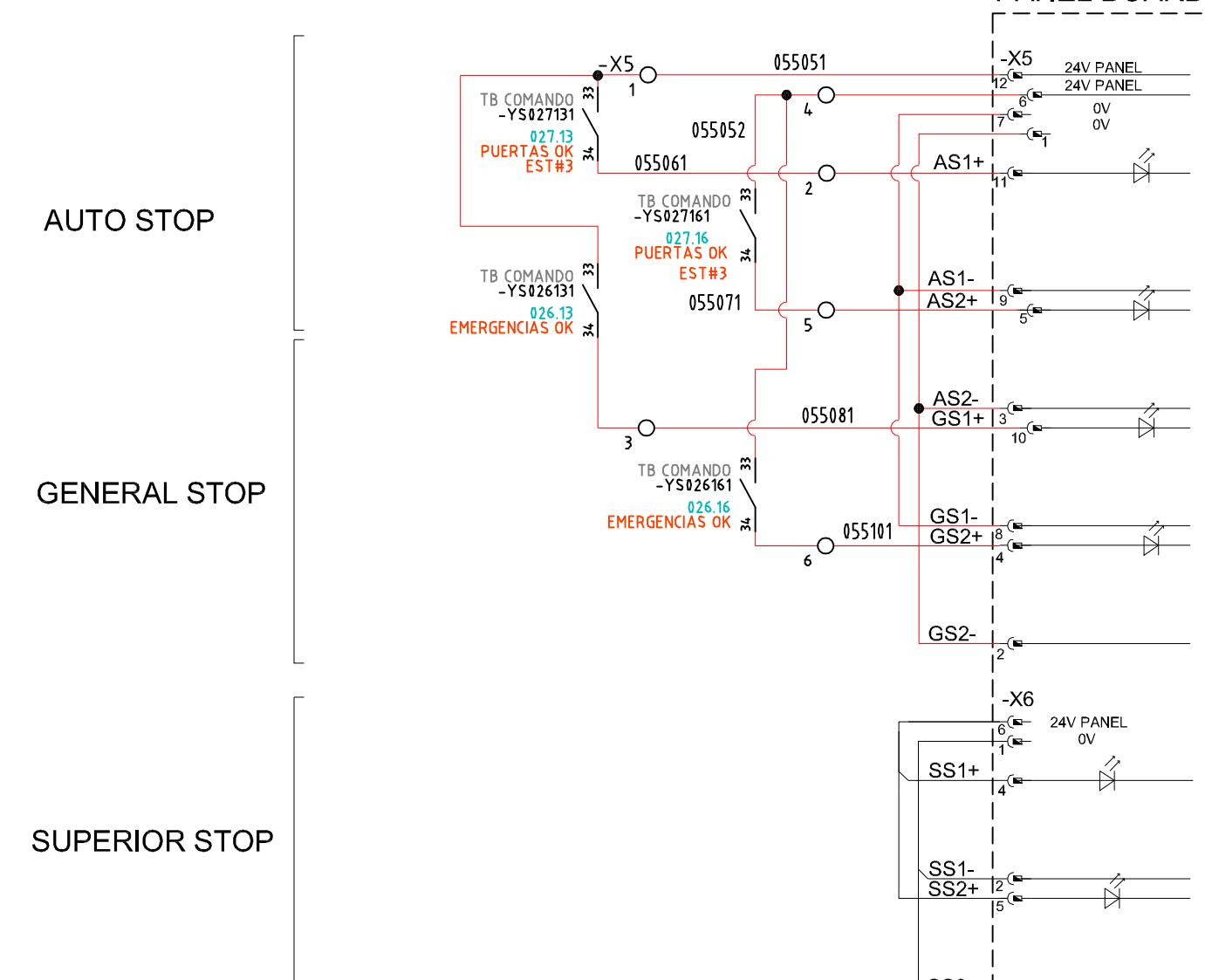
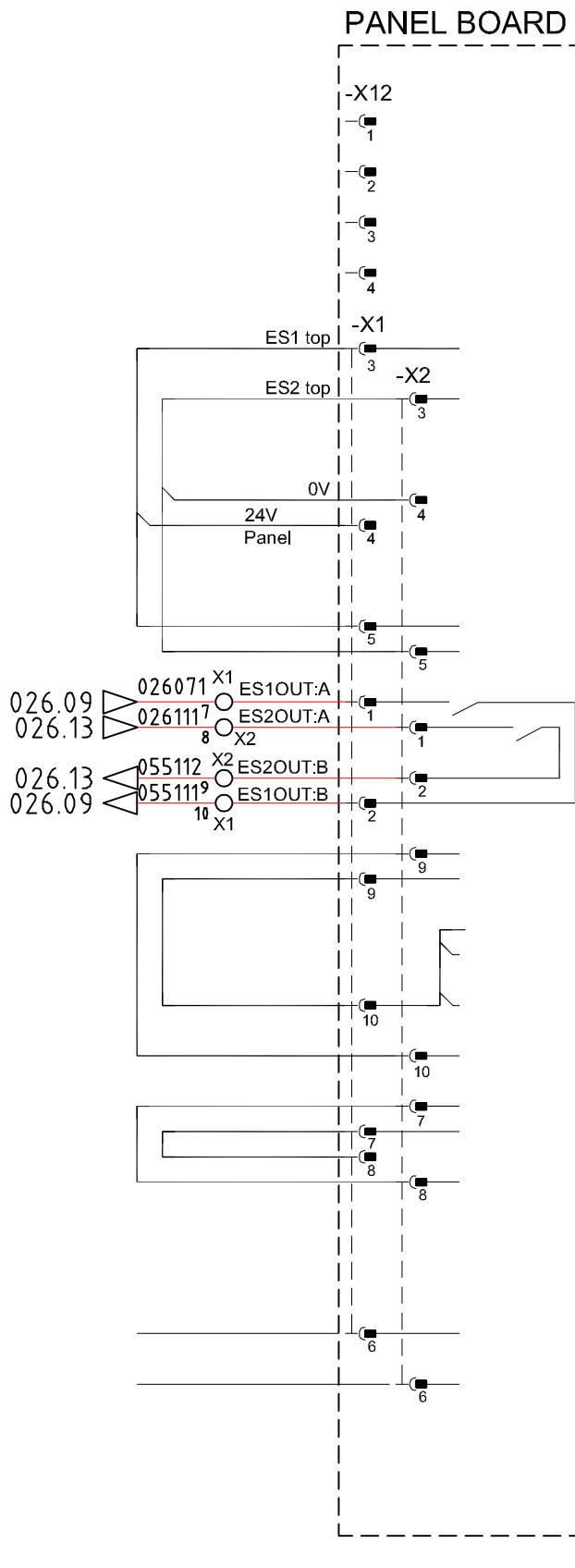


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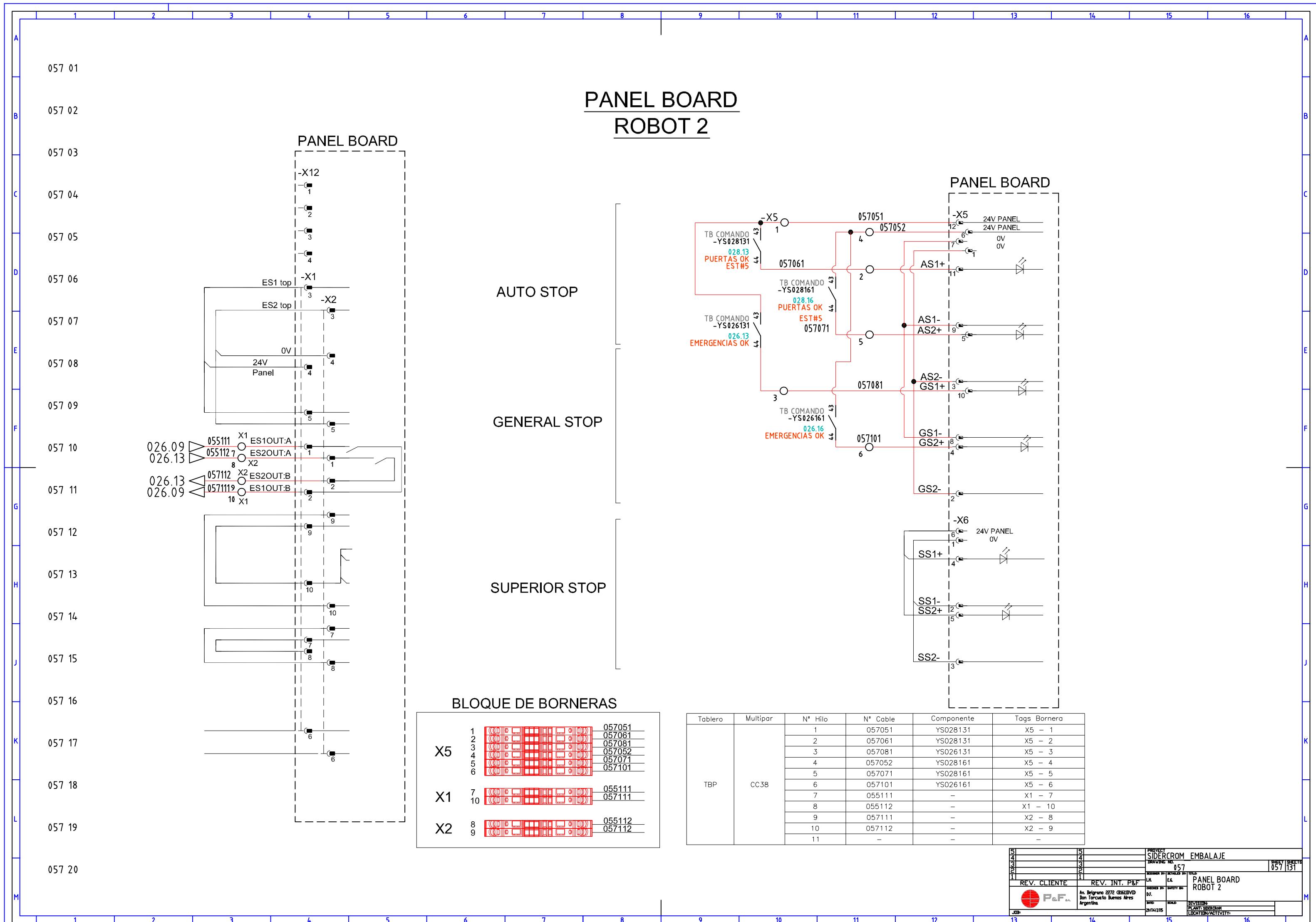
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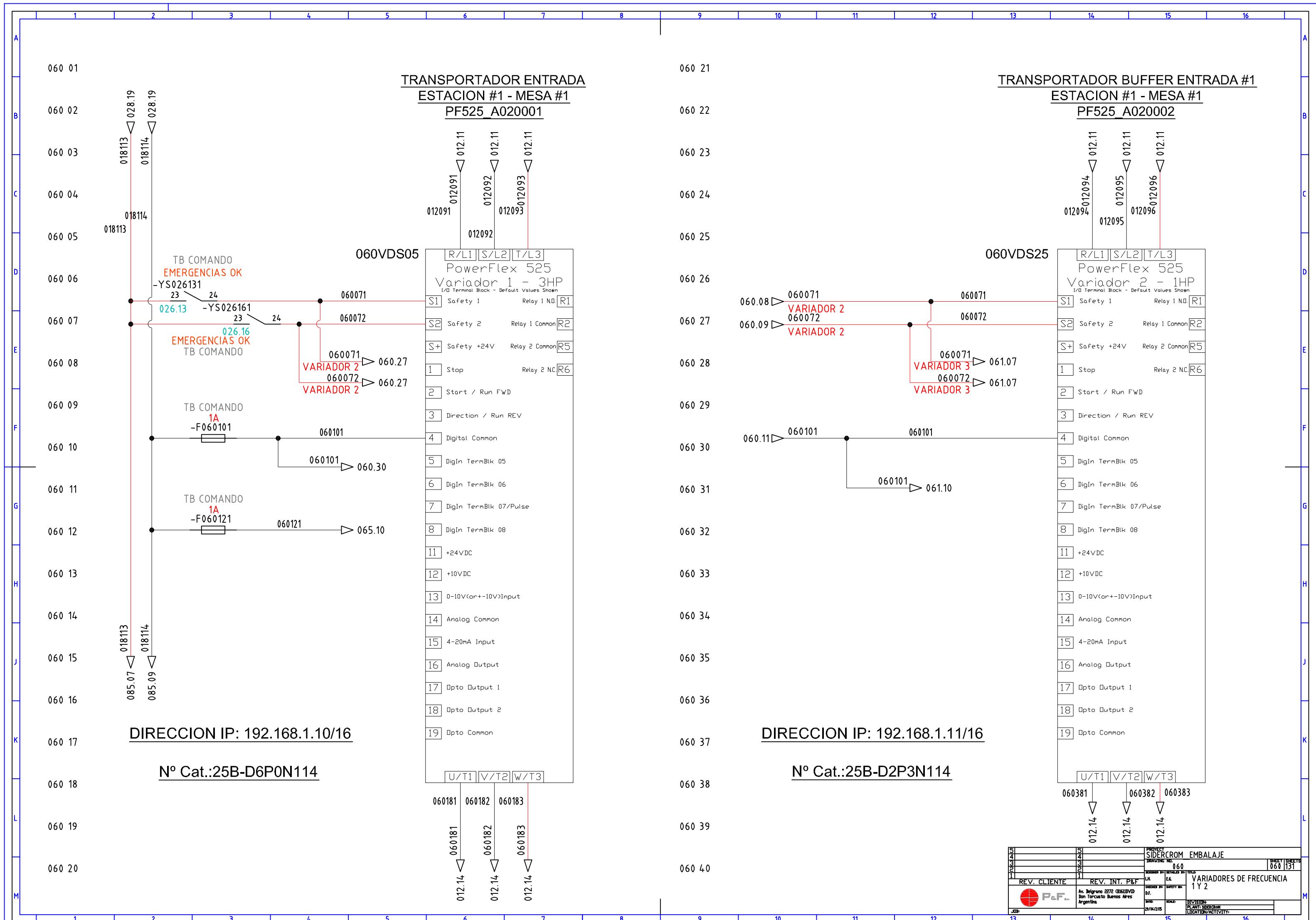
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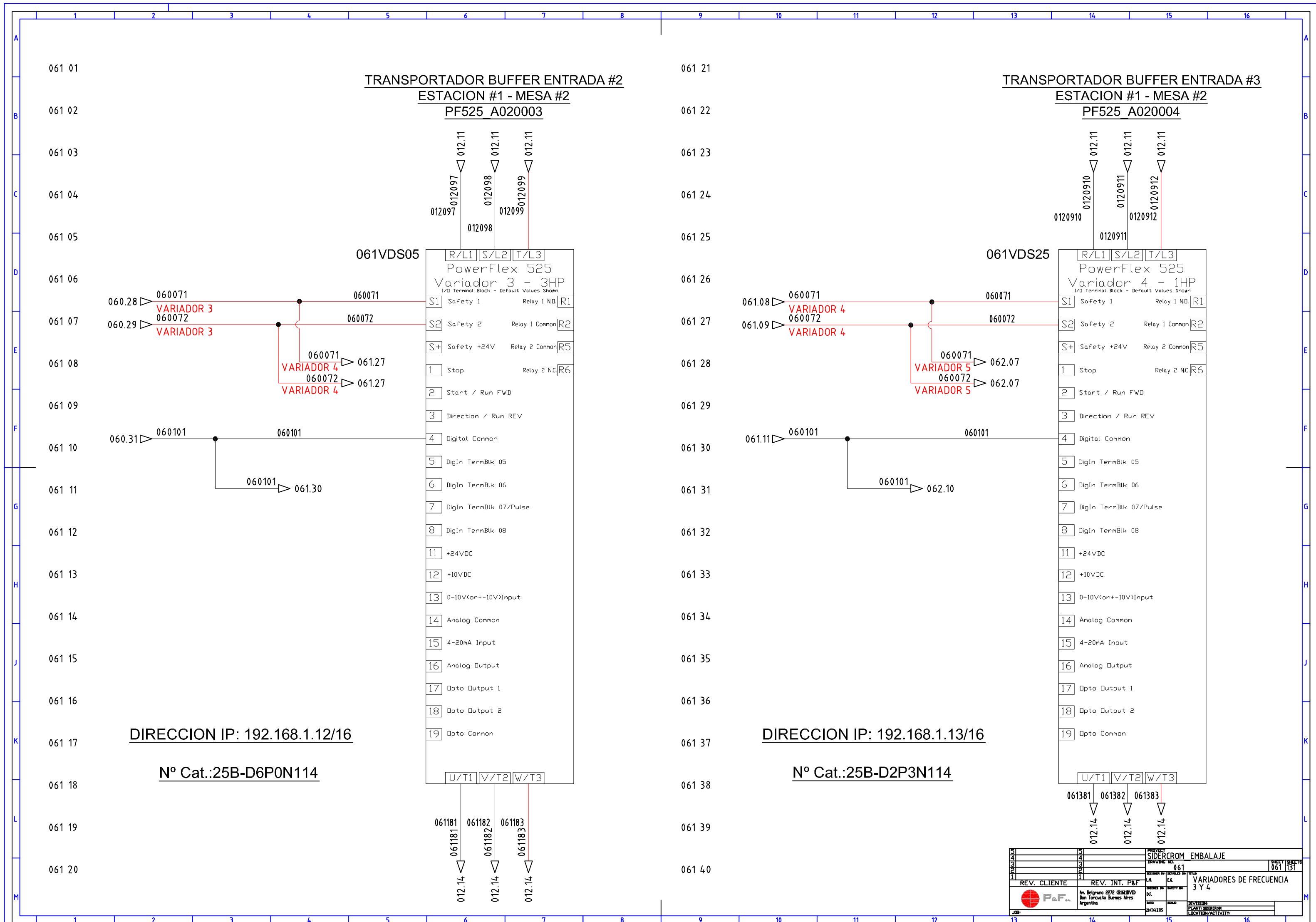


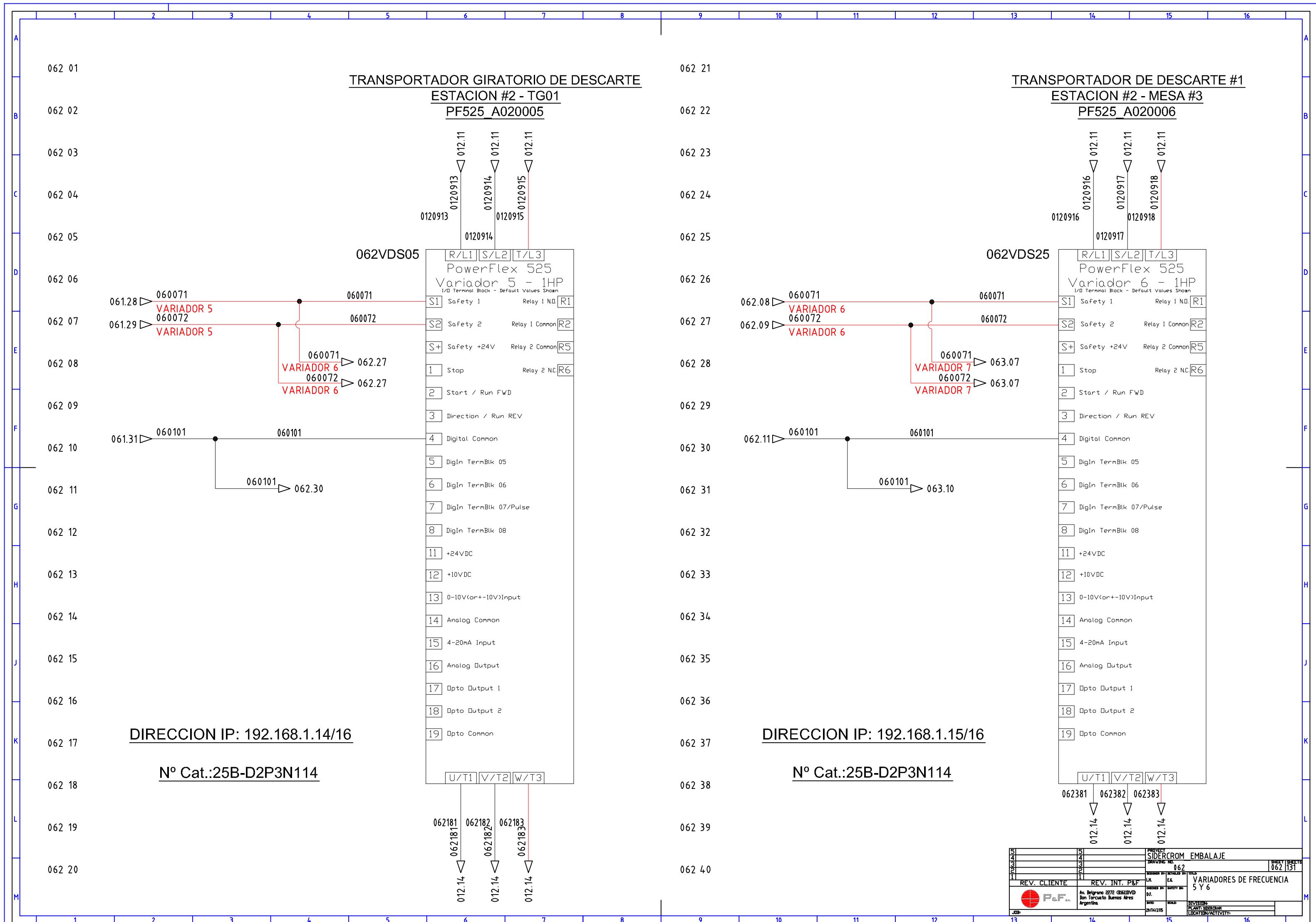
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		3	055061	YS027131	X5 – 2
		4	055081	YS026131	X5 – 3
		5	055052	YS027161	X5 – 4
		6	055071	YS027161	X5 – 5
		7	055101	YS026161	X5 – 6
		8	026071	–	X1 – 7
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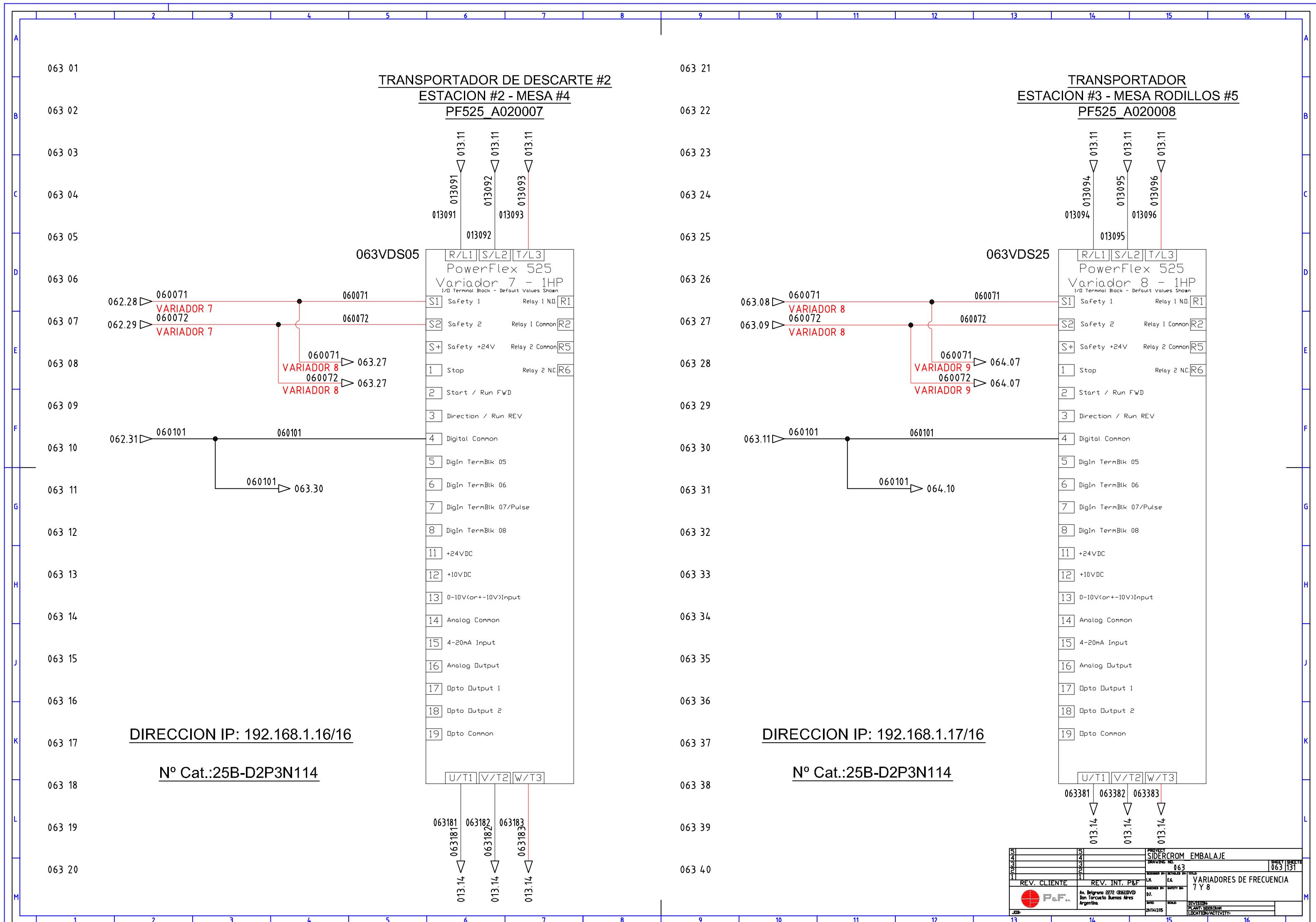
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4	4	DRAWING NO. 055													
3	3	SHEET 055/131													
2	2	REVISION BY DATE ISSUED BY TITLE													
1	1	PANEL BOARD ROBOT 1													
REV. D.F.		D.F. SAFETY REC.													
P&F		Av. Belgrano 2272 (C1010BDV) Don Torcuato Buenos Aires Argentina													
JOB		DIVISION PLANT SIDERCRON LOCATION/ACTIVITY													
09/14/215		09/14/215													

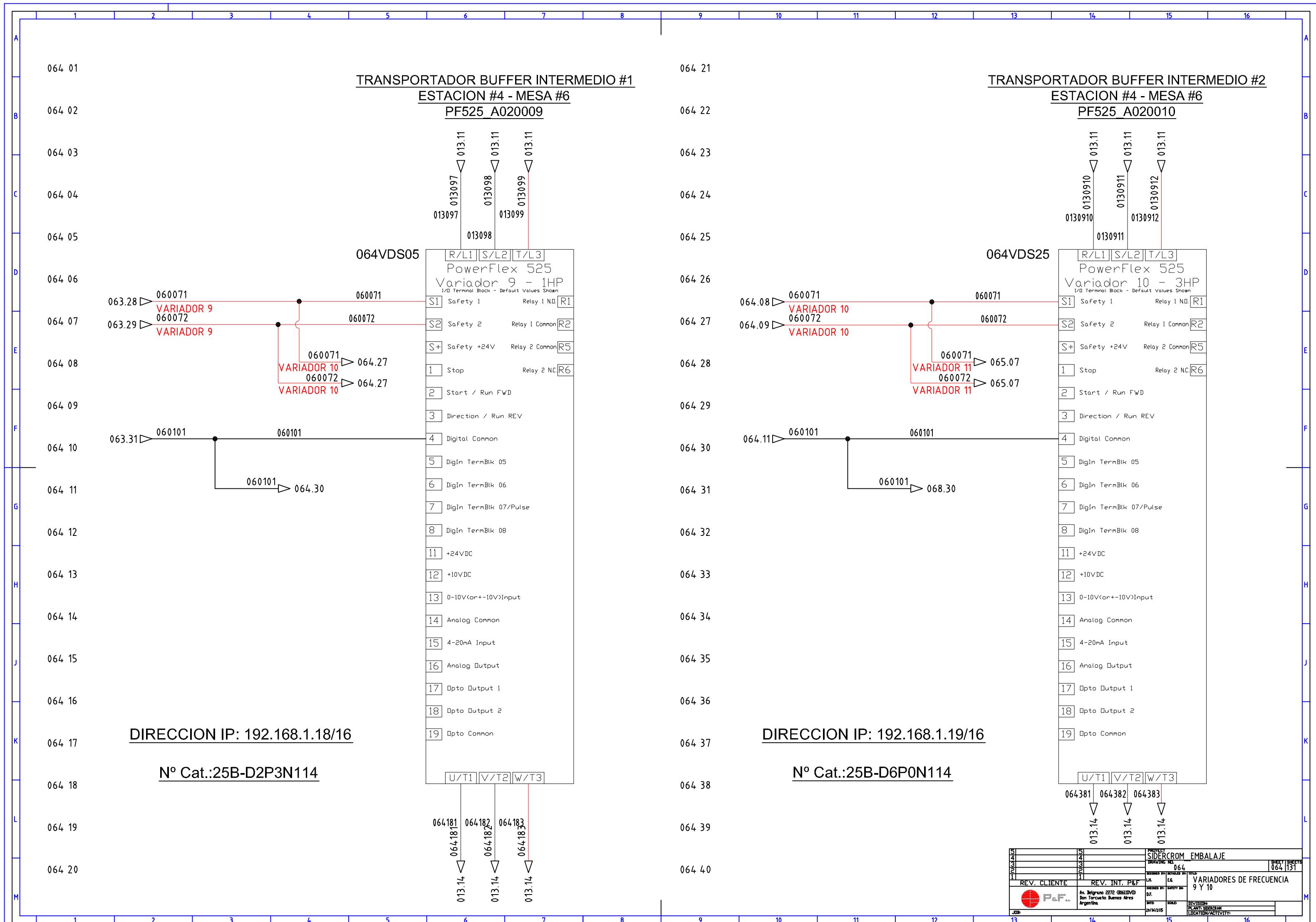


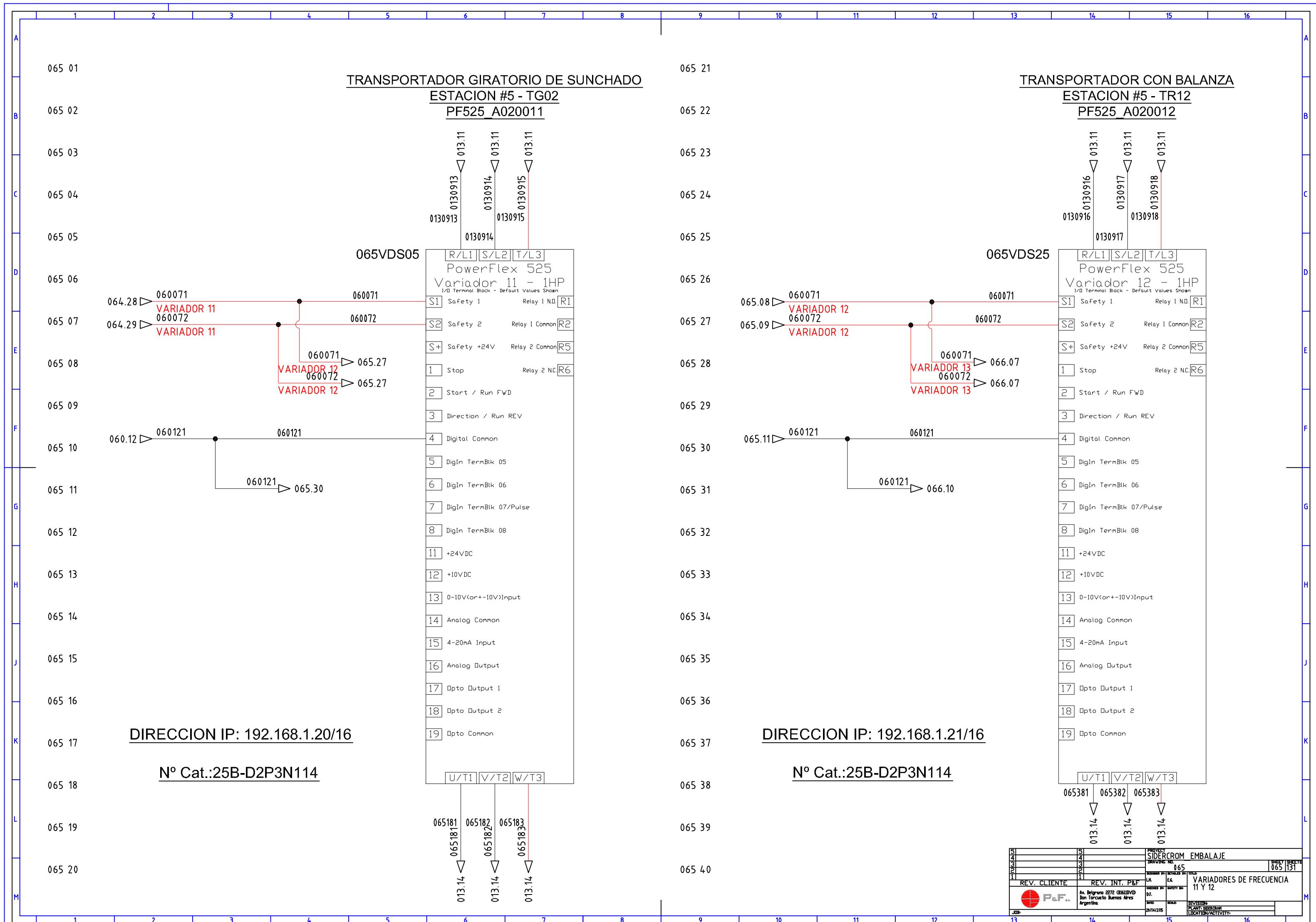


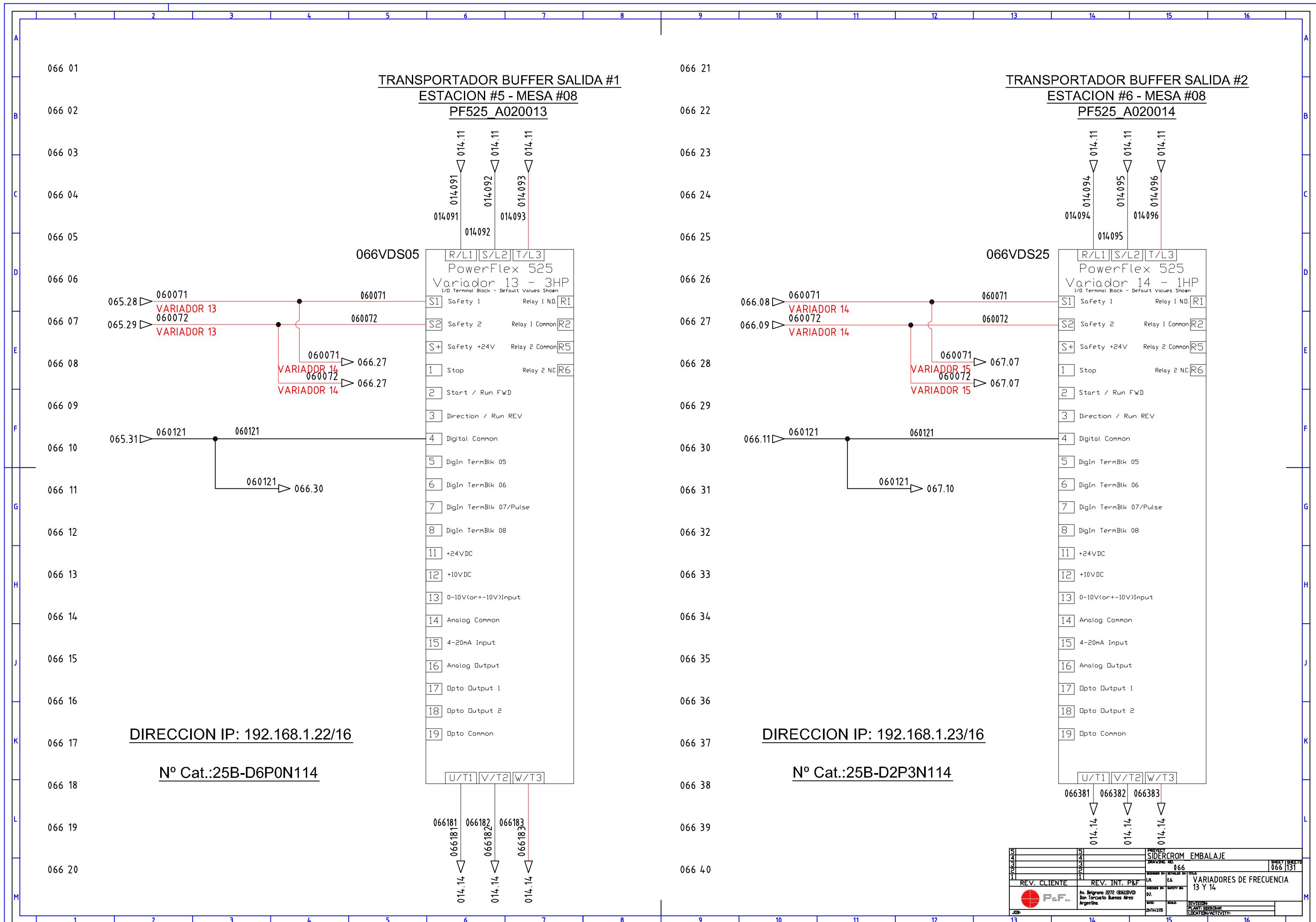


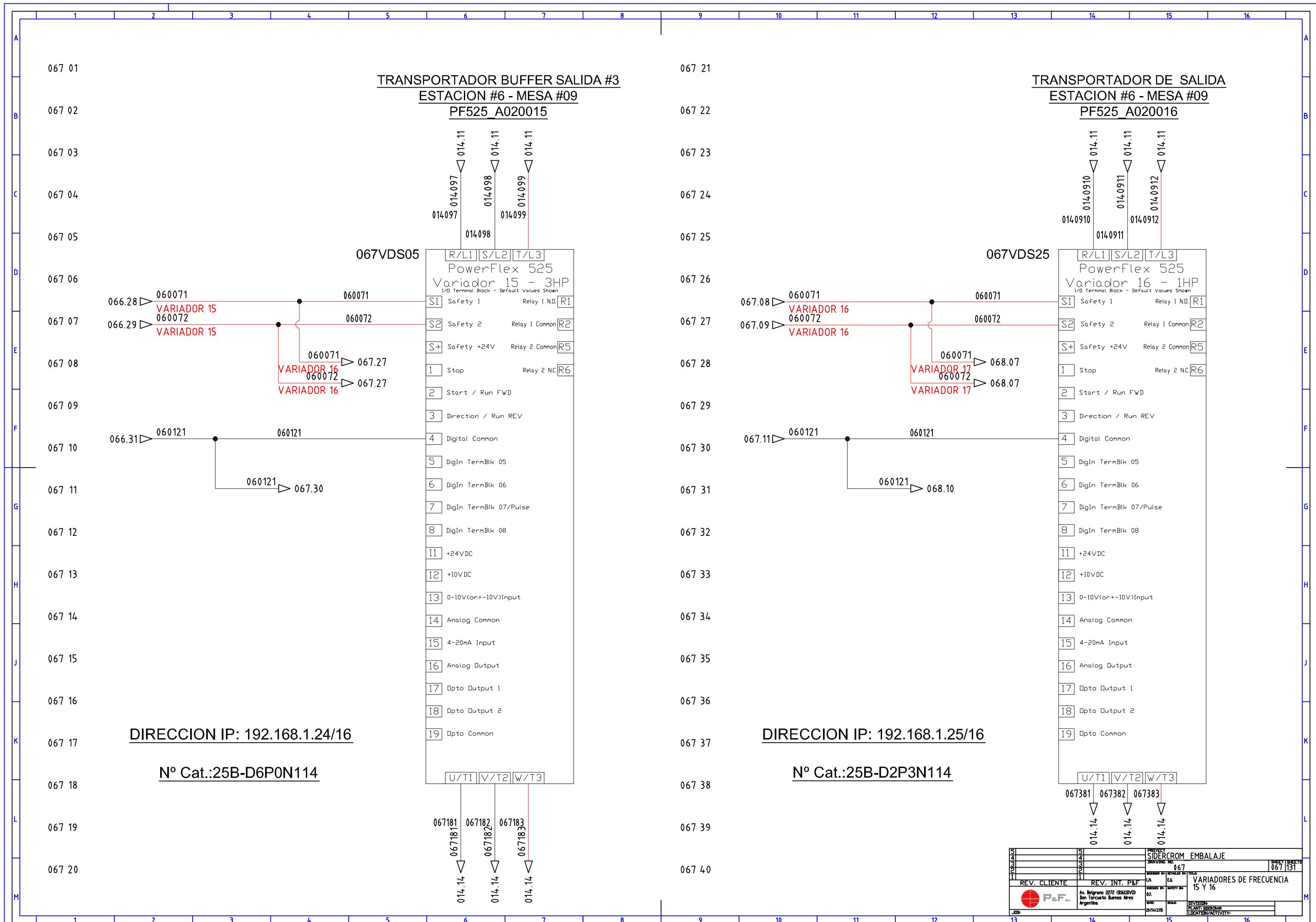


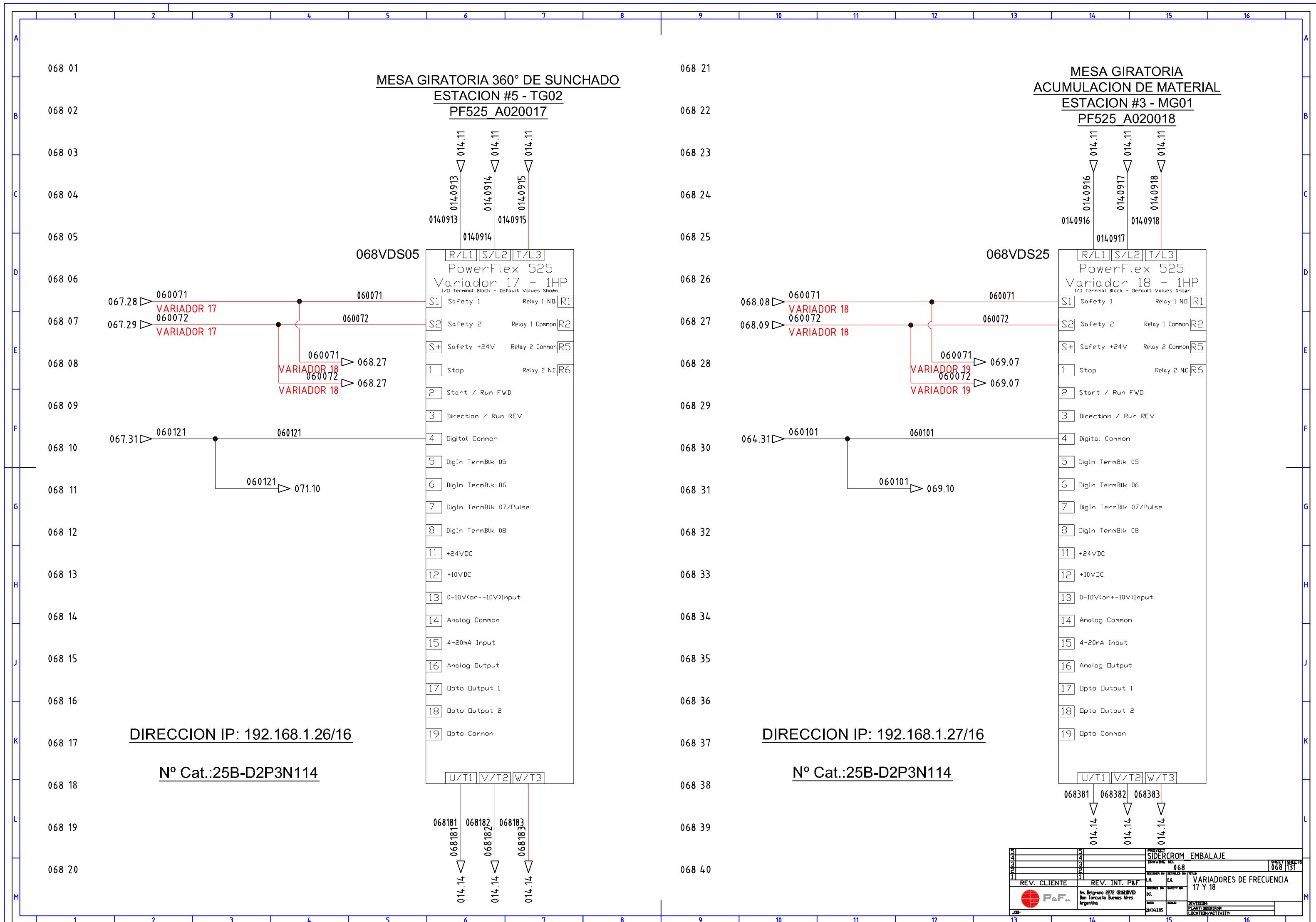


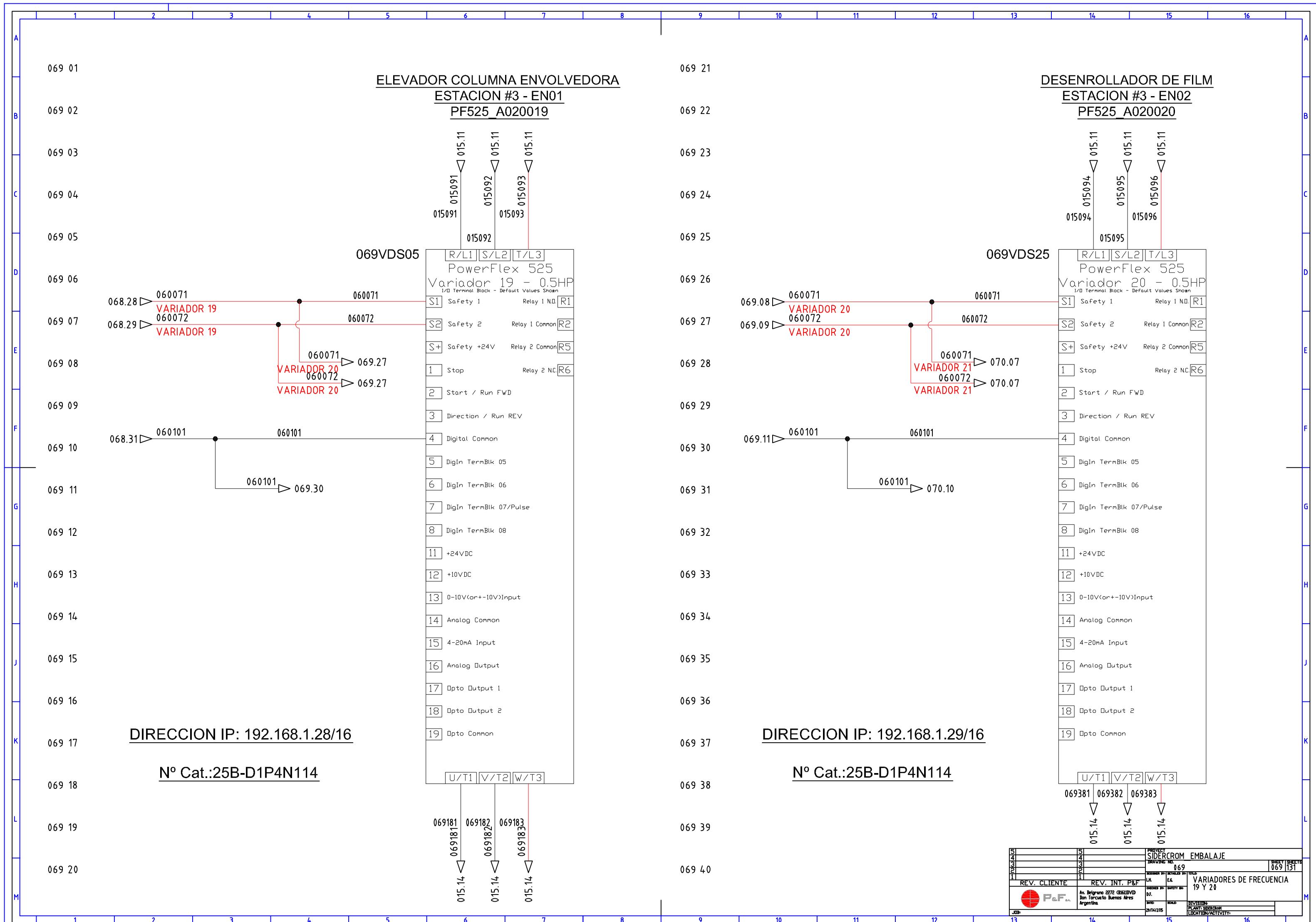


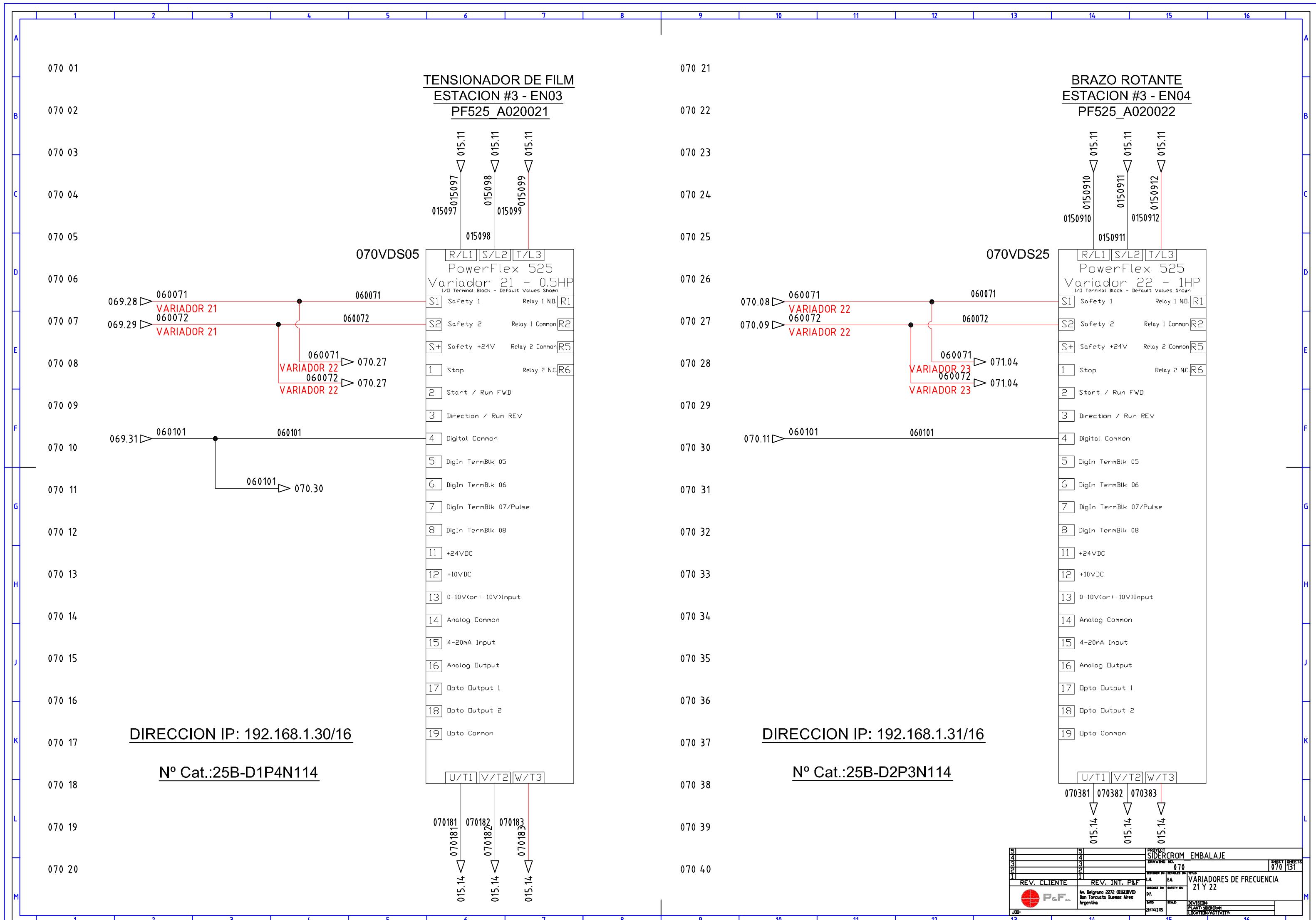


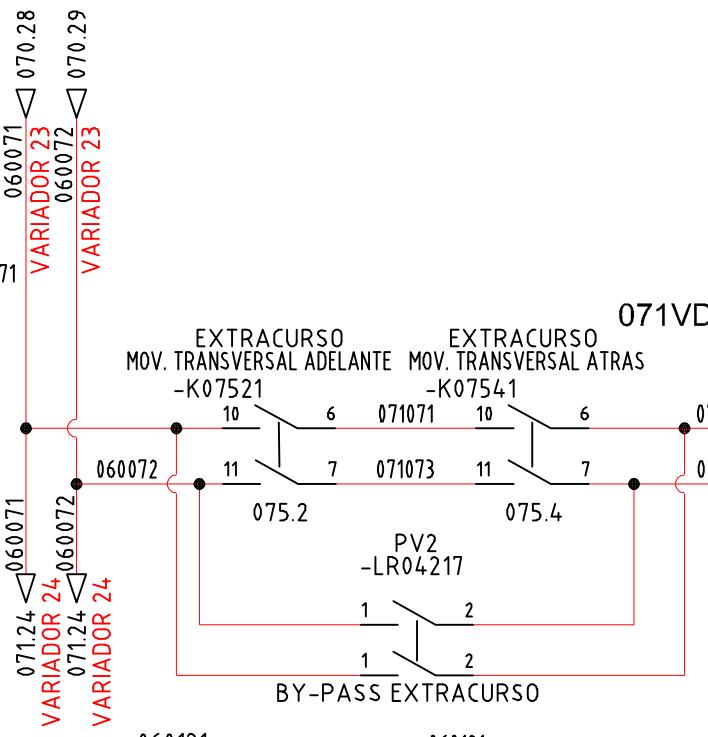




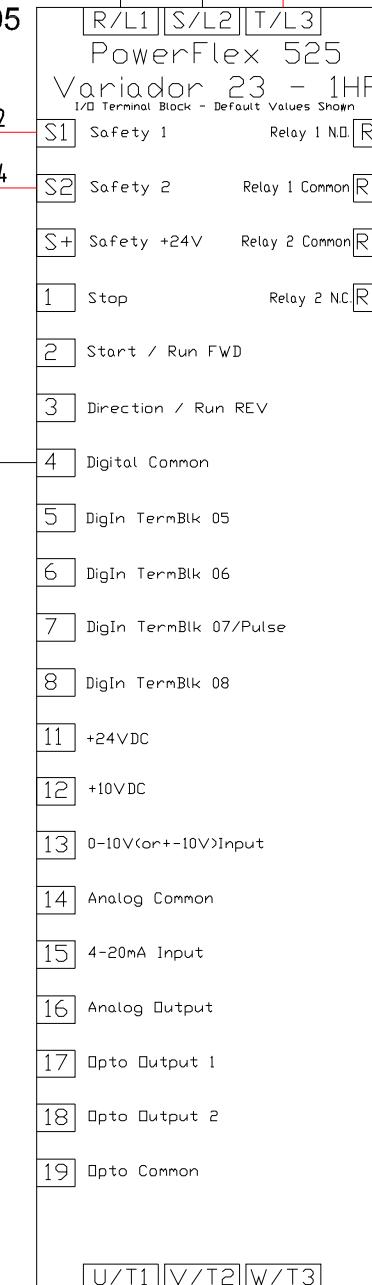






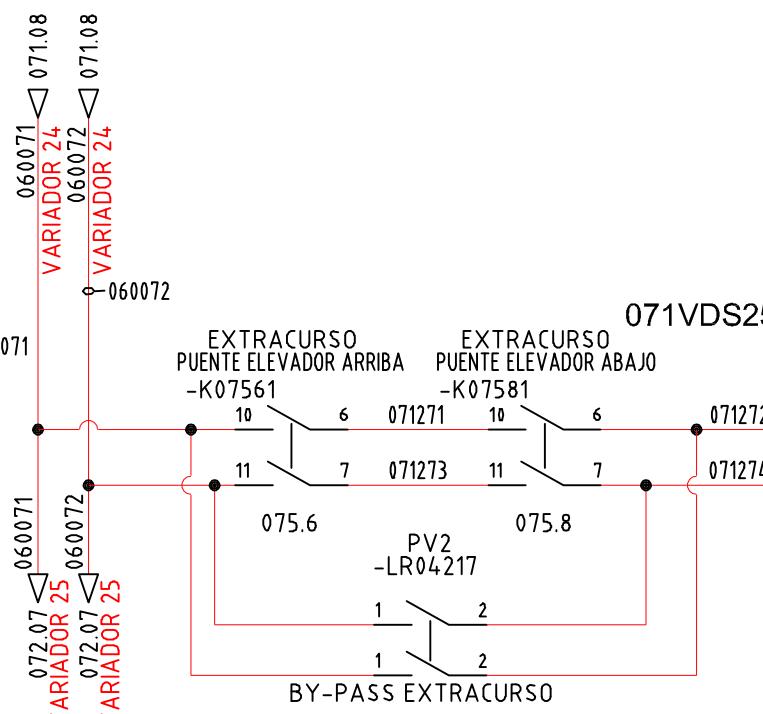
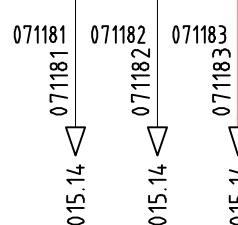


MOVIMIENTO TRANSVERSAL SUNCHADORA
ESTACION #5 - SU02
PF525_A020023

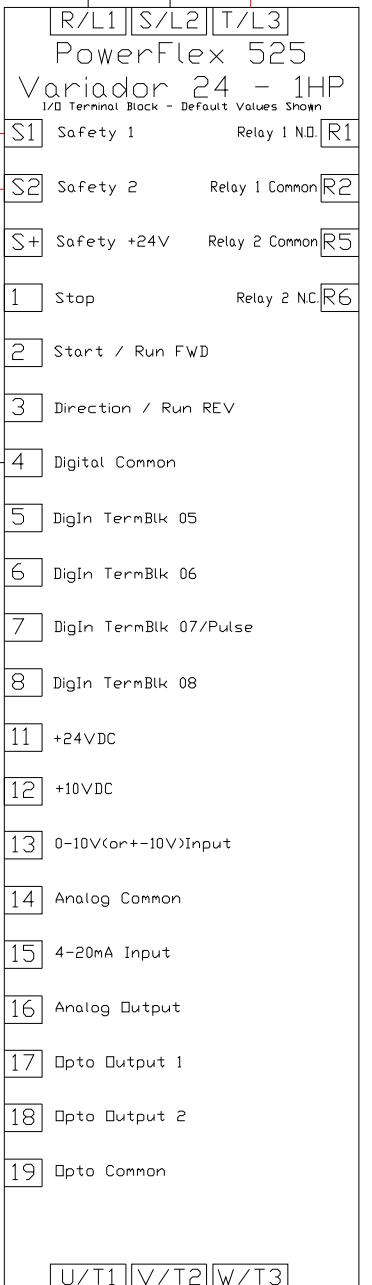


DIRECCION IP: 192.168.1.32/16

Nº Cat.:25B-D2P3N114

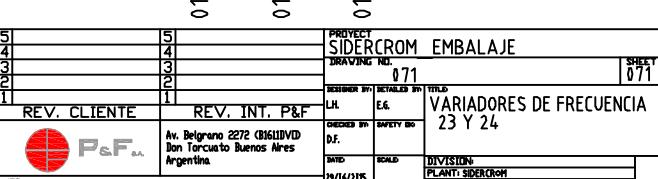


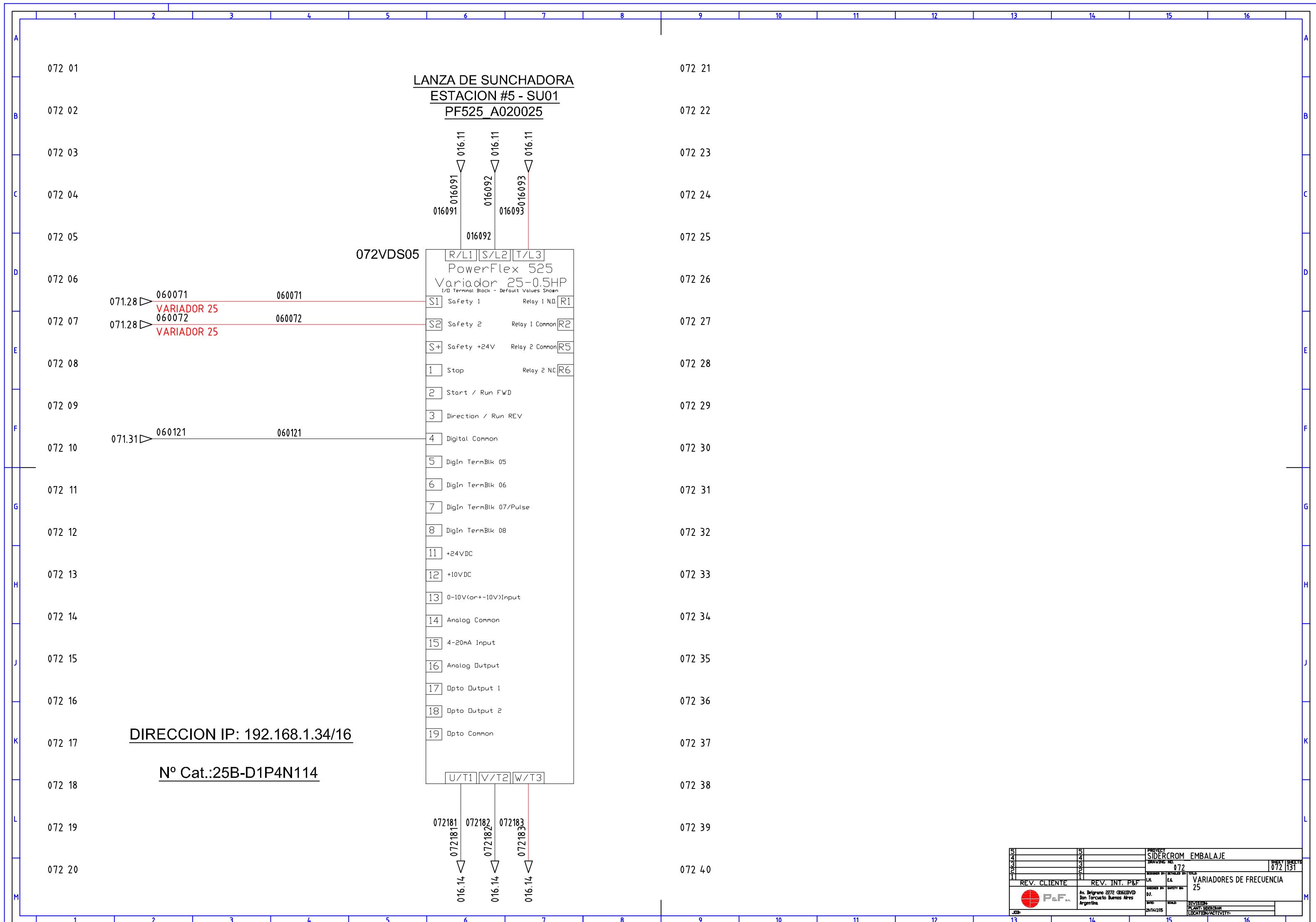
ELEVADOR PUENTE DE SUNCHADORA
ESTACION #5 - SU02
PF525_A020024

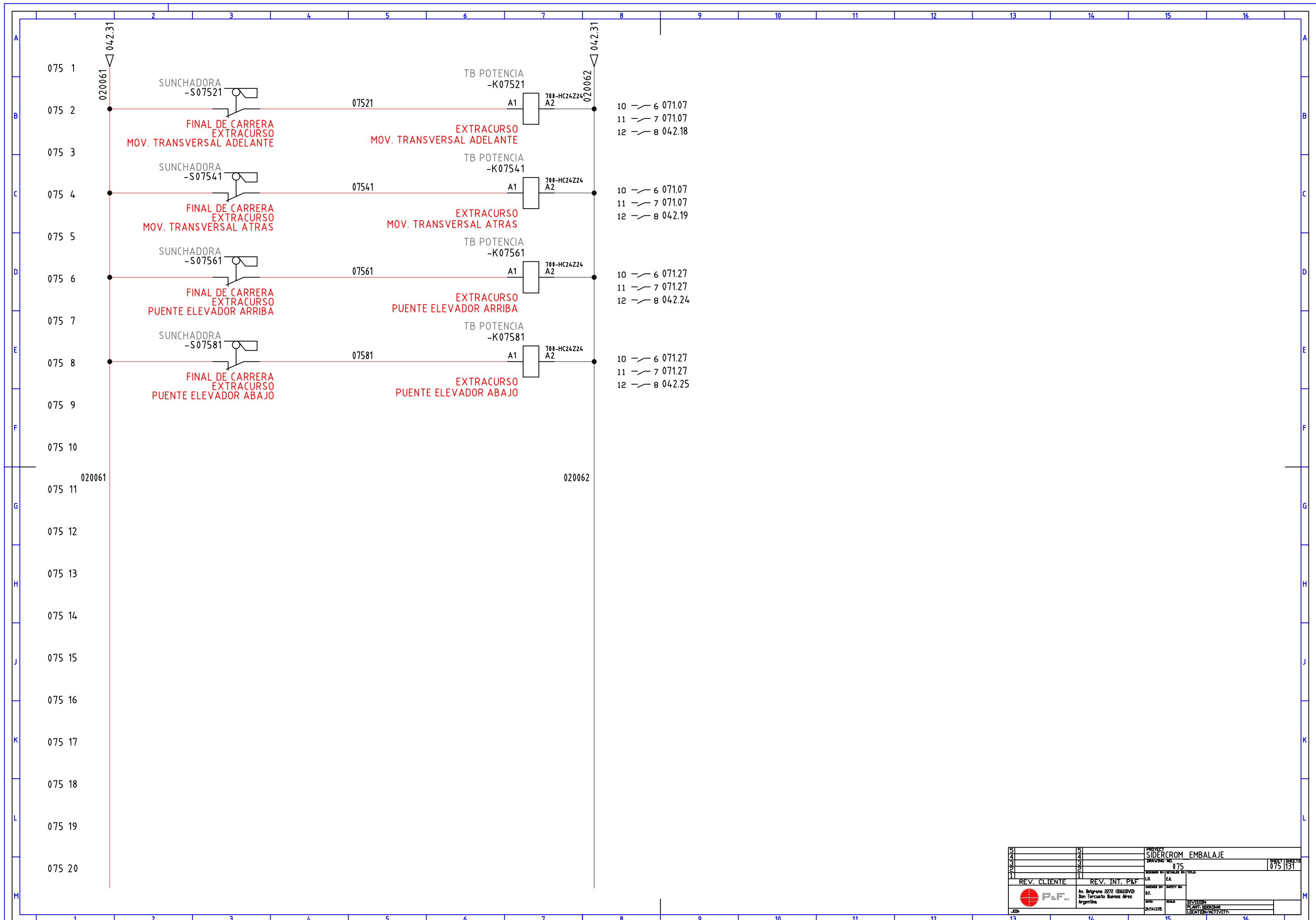


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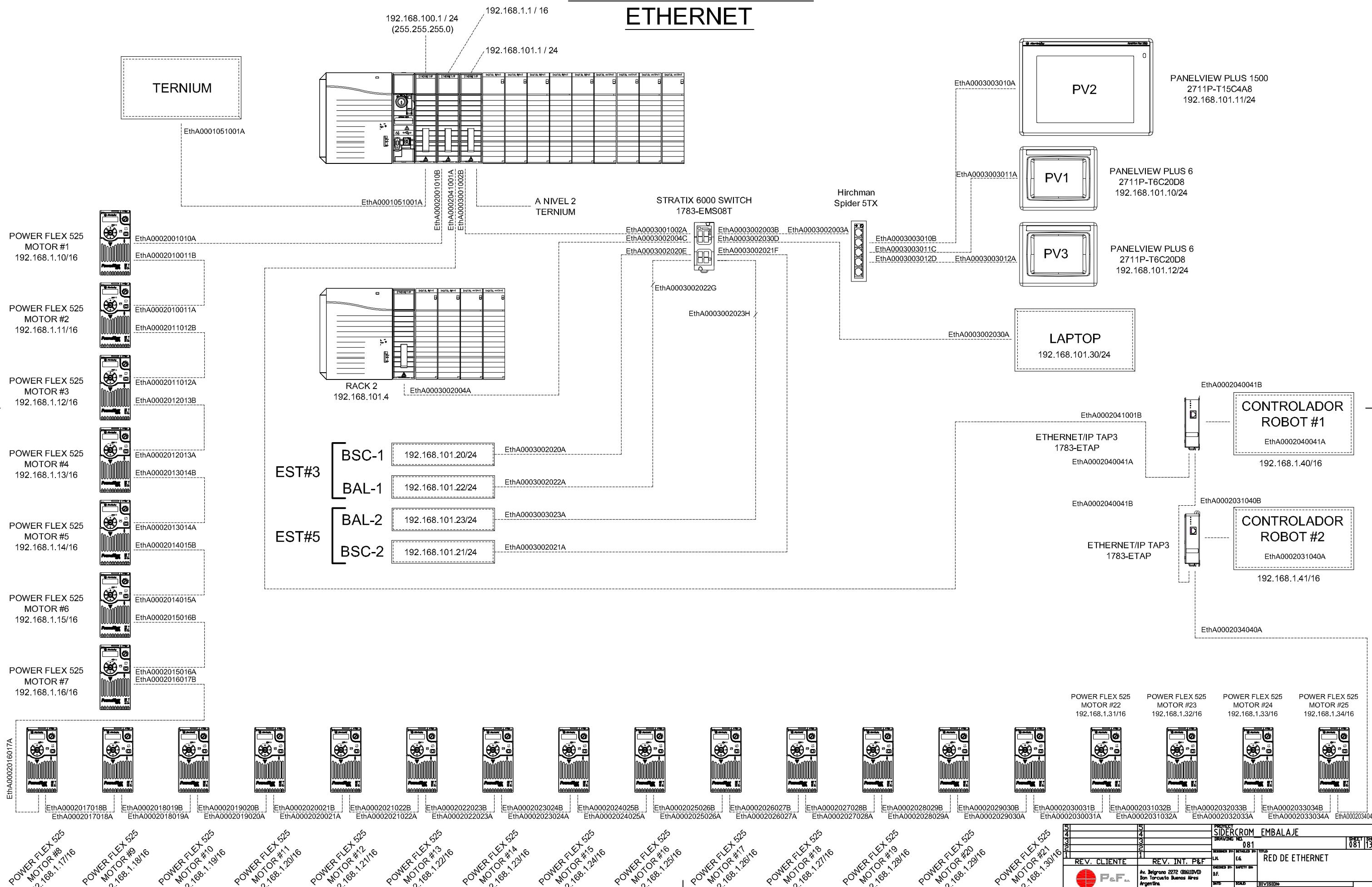




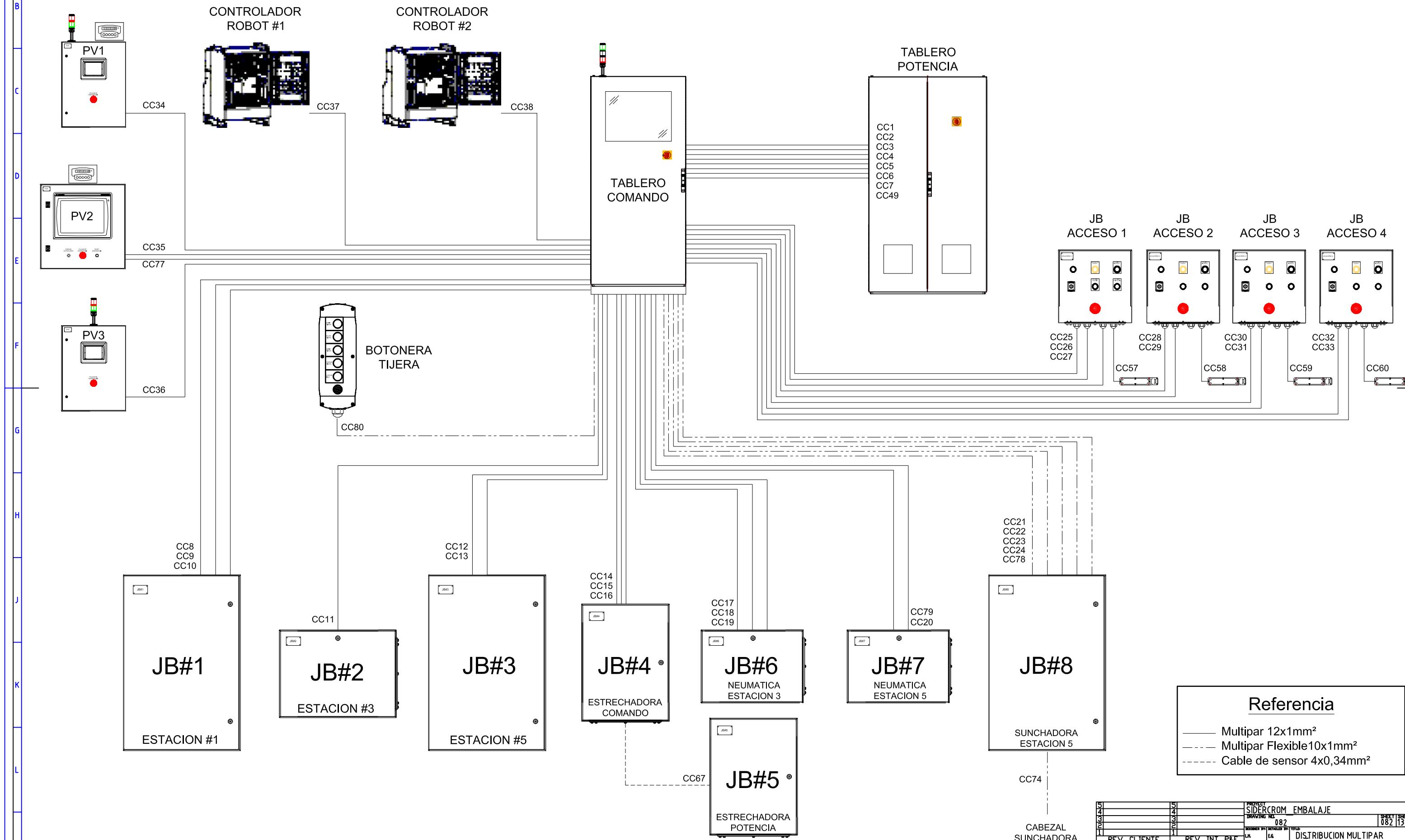


I N T E R C O N N E C T I O N S

ARQUITECTURA RED ETHERNET

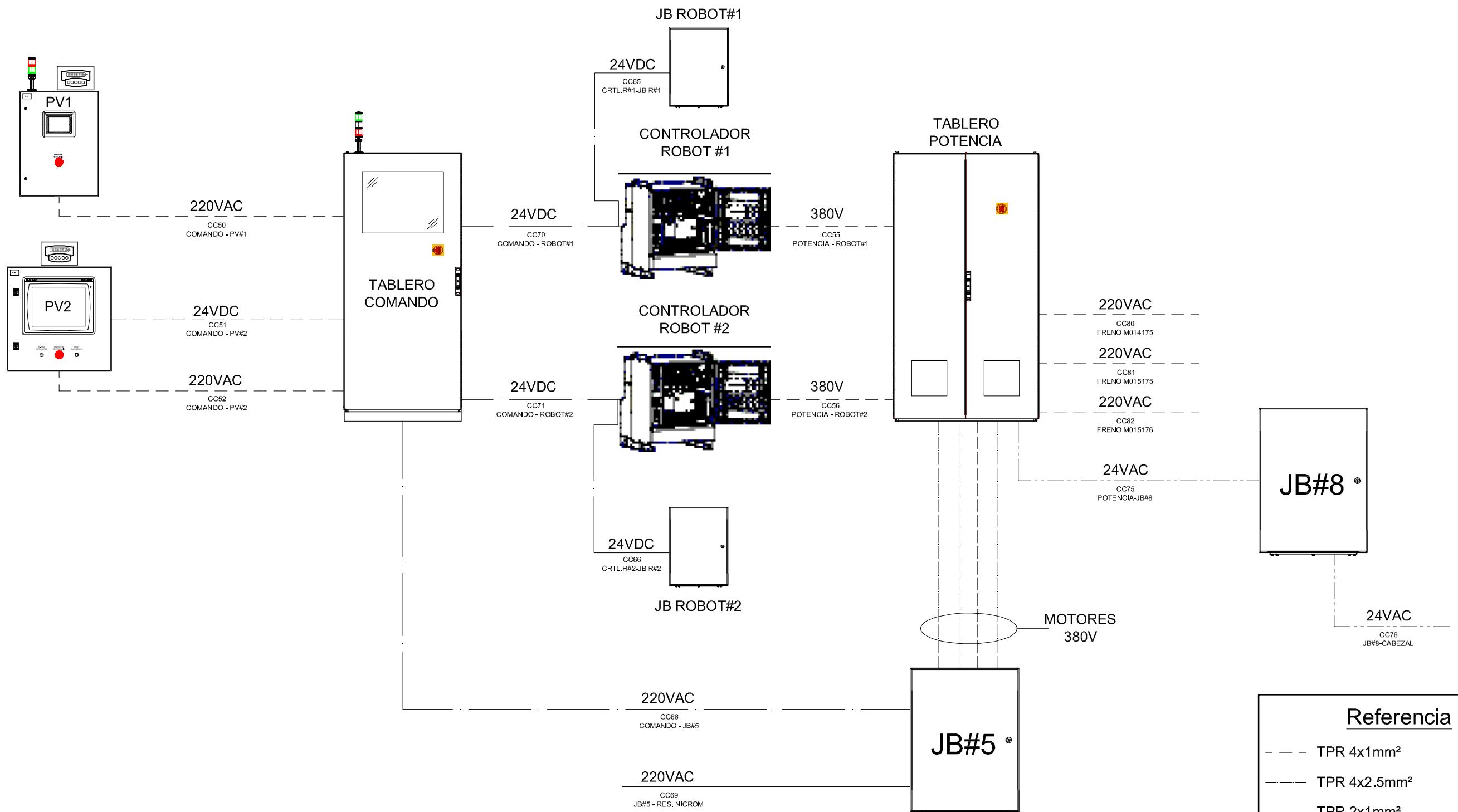


DISTRIBUCION DE SEÑALES



PROJECT		DRAWING NO.		SHEET	
1	2	3	4	5	6
REV. CLIENTE	REV. INT. P&F	DESIGNER BY	DETAILED BY	TITLE	
P&F	Av. Delgrado 2272 (B1411VDF) Don Torcuato Buenos Aires Argentina	LH	E.G.	D.F.	
1	2	3	4	5	6
SHEETS	131	082	082	082	082
DISTRIBUCION MULTIPAR SENALES					
JOB	DATE	TIME	SAFETY	PLANT	LOCATION/ACTIVITY
	13/14/215			PLANT SIDERCROM	

DISTRIBUCION DE POTENCIA



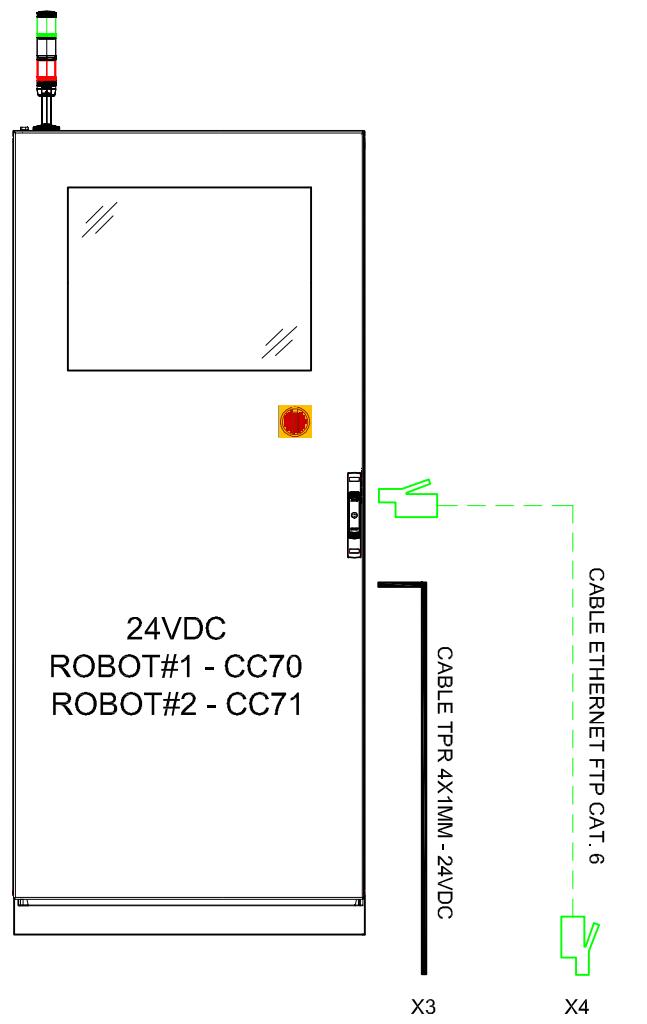
Referencia

- TPR 4x1mm²
- TPR 4x2.5mm²
- TPR 2x1mm²
- TPR 3x1.5mm²

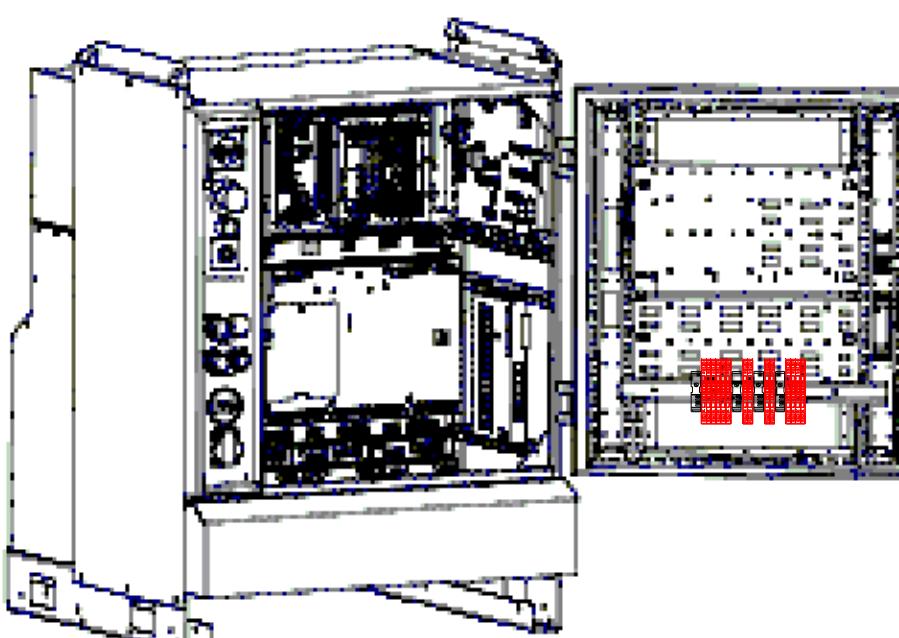
PROJECT		DRAWING NO.		SHEET	
DESIGNER BY	REVIEWED BY	083	083 / 131	1	1
REV. CLIENTE	REV. INT. P&F	LK	E6	1	1
		D.F.	SAFETY BY		
		SMTD	SOLID	1	1
		03/14/215	PLANT: SIDERCROM		
			LOCATION/ACTIVITY		

PROJECT: SIDERCROM EMBALAJE
DRAWING NO.: 083
SHEET: 083 / 131
DESIGNER BY: [Redacted]
REVIEWED BY: [Redacted]
PLANT: SIDERCROM
LOCATION/ACTIVITY: [Redacted]

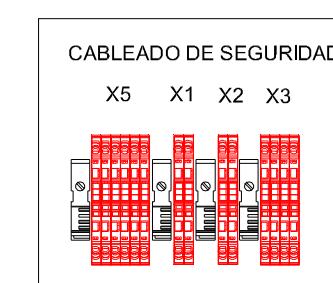
CONEXION CONTROLADOR Y ROBOT



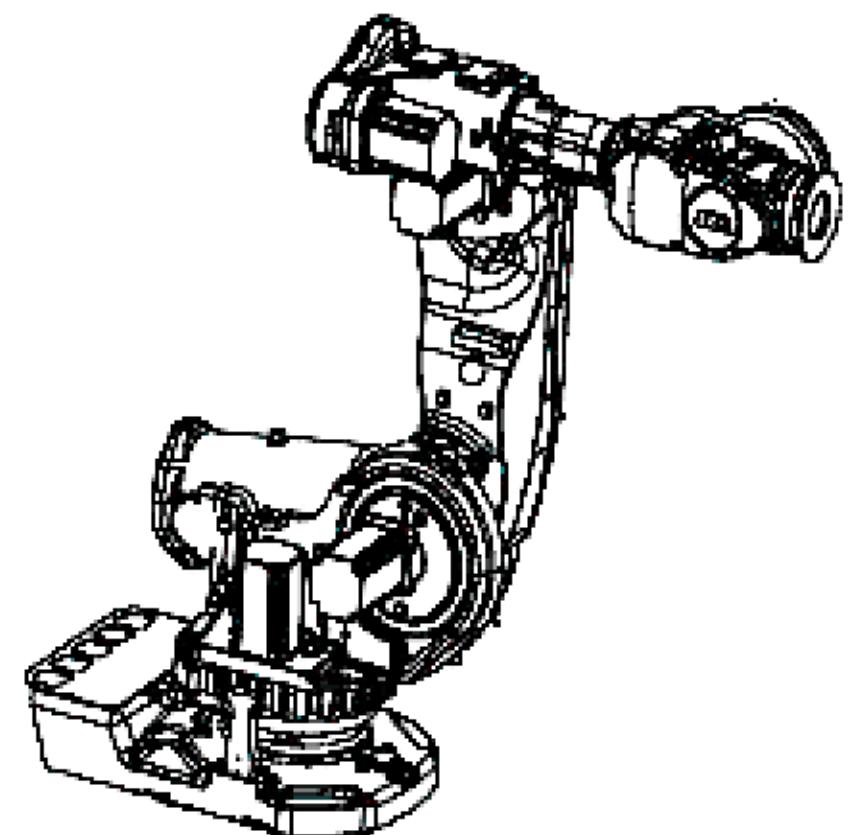
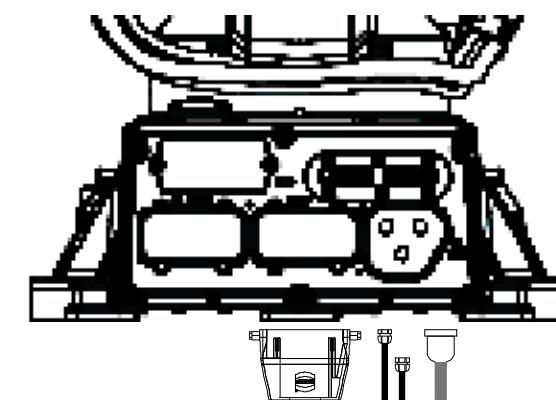
Robot #1 - 192.168.1.40/16 - EthA0002034040A
Robot #2 - 192.168.1.41/16 - EthA0002040041B



24VDC
ROBOT#1 - CC65
ROBOT#2 - CC66



SIGNAL CABLE
CABLE DEVICENET
CABLE TPR 4X1MM - 24VDC
POWER CABLE

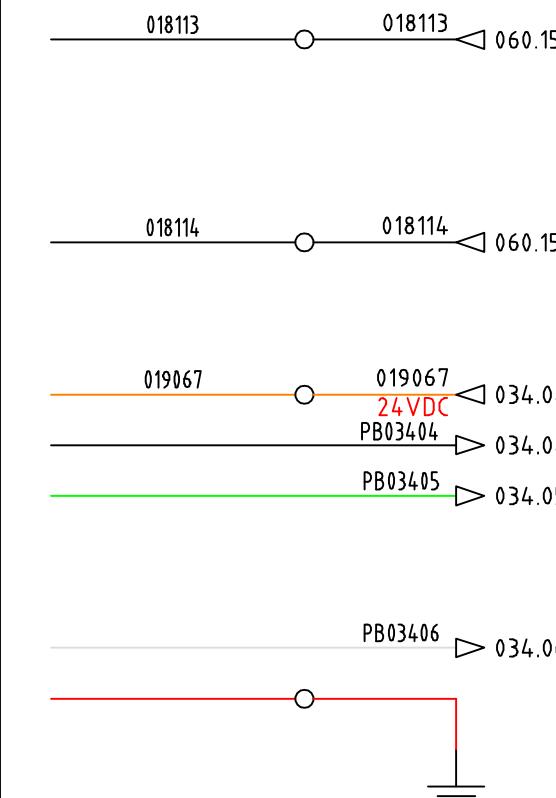
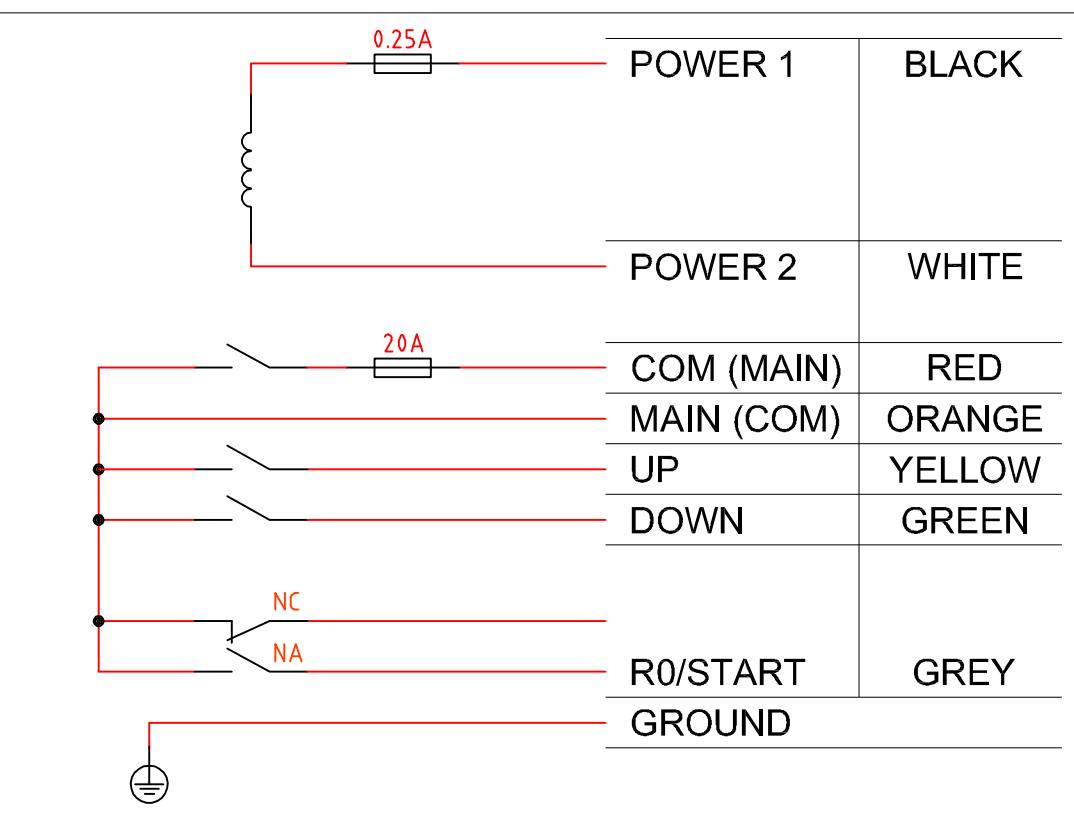


Robot #1 - 192.168.1.40/16 - DnetA0002031040A
Robot #2 - 192.168.1.41/16 - DnetA0002040041A

5	5	PROJECT SIDERCROM EMBALAJE
4	4	DRAWING NO.
3	3	084
2	2	SHSHTS 084 131
1	1	DESIGNED BY: DETAILED BY: TITLE:
REV. CLIENTE	REV. INT. P&F	
P&F	Av. Belgrano 2272 (C1014VVD) Don Torcuato Buenos Aires Argentina	SAFETY BY: D.F. CHECKED BY: L.H. E.E. SIGNED: D.F.
JOB:	09/14/215	DIVISION: PLANT: SIDERCROM LOCATION/ACTIVITY:

MANDO A DISTANCIA

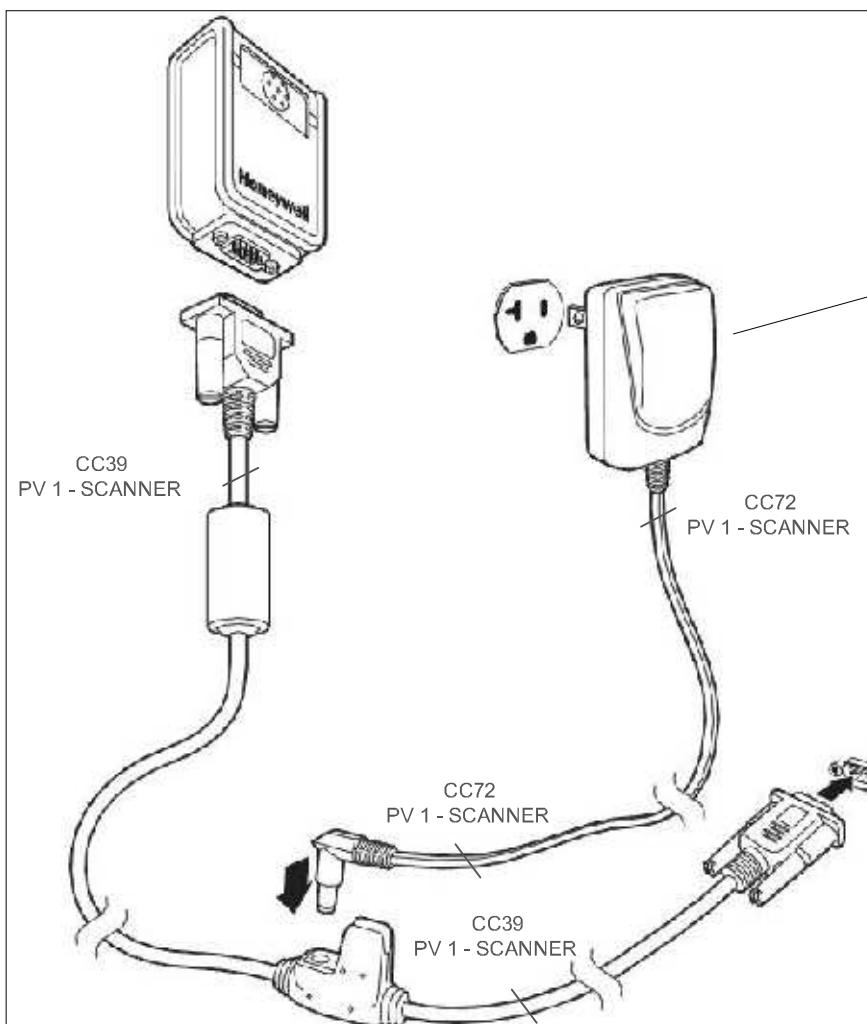
MODEL NO.: SAGA1-L4



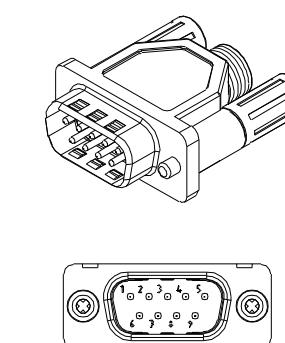
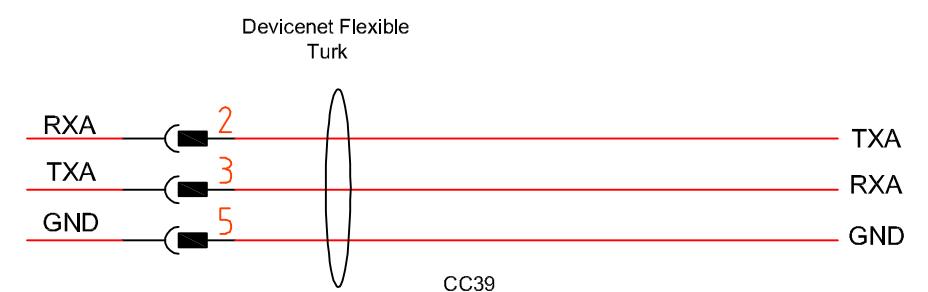
PROJECT		DRAWING NO.		SHEET	
NUMBER BY	RELEASER BY	NUMBER BY	RELEASER BY	NUMBER BY	RELEASER BY
5	4	5	4	085	131
3	2	3	2		
1	1	1	1		
REV. CLIENTE	REV. INT. P&F	LK	E6	MANDO A DISTANCIA	
P&F		D.F.	SAFETY REC		
Av. Delgrado 2272 (B1611VD) Don Torcuato Buenos Aires Argentina		DAVID	ISQD	DIVISION	
		10/14/215		PLANT: SIDERCROM	
				LOCATION/ACTIVITY:	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

**LECTOR CODIGO DE BARRAS
ESTACION #3**



Alimentacion desde PanelView #1

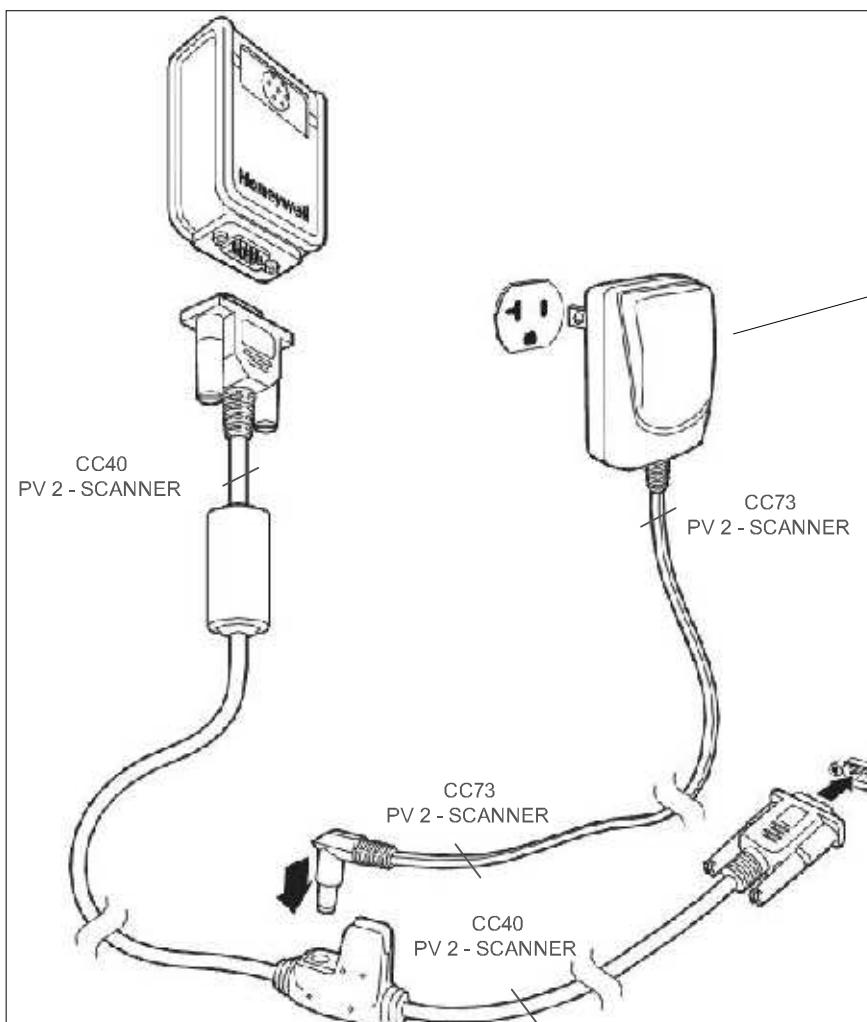


Vin	Vin	-	GND
RxA	TxA	-	-
EXEMYS			
TRA-	TRA+	RA+	RA-
I/O 0	I/O 1	I/O 2	I/O 3

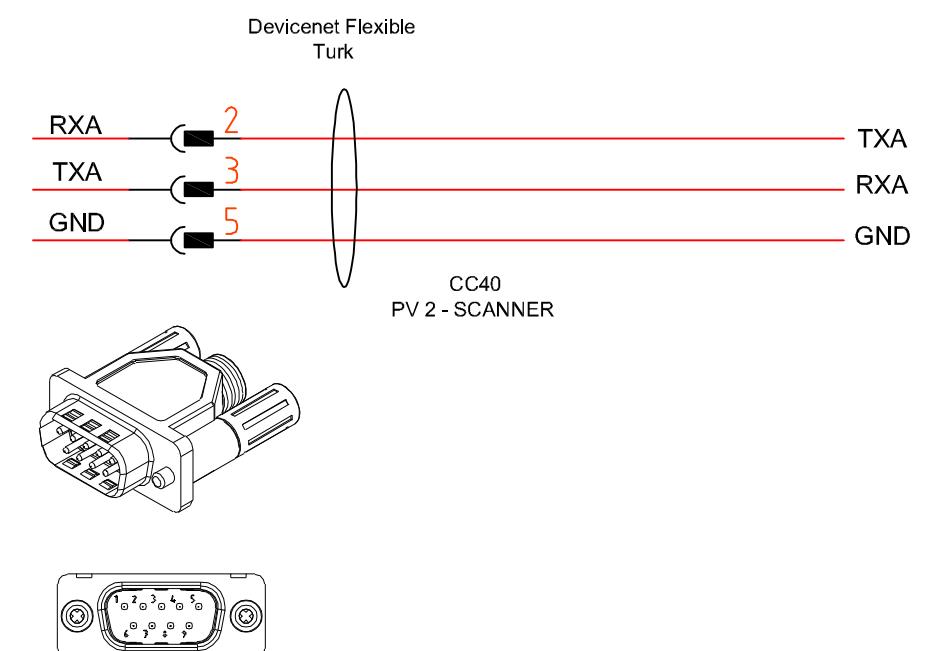
PROJECT	5	5	REVISION NO.	086	131
4	4	4	RELEASER BY	RELEASER BY	1
3	3	3	RELEASER BY	RELEASER BY	1
2	2	2	RELEASER BY	RELEASER BY	1
1	1	1	REV. CLIENTE	REV. INT. P&F	1
P&F		Av. Delgrado 2272 (B1411VJD) Don Torcuato Buenos Aires Argentina		D.F. SAFETY REC DRAFTED BY CHECKED BY APPROVED BY DATE 13/14/215	
PLANT: SIDERCROM		DIVISION: LOCATION/ACTIVITY:			

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

**LECTOR CODIGO DE BARRAS
ESTACION #4**



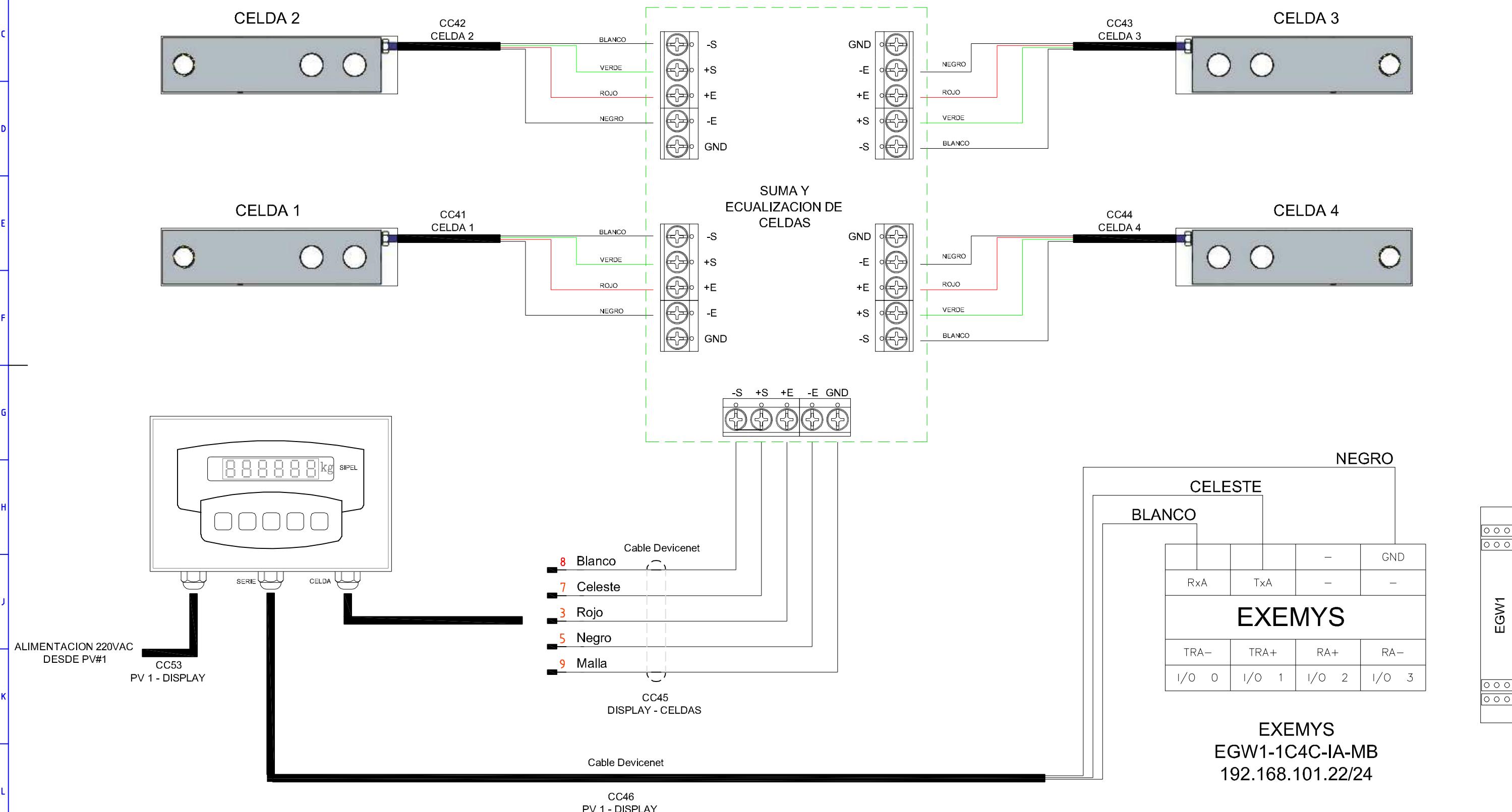
Alimentacion desde PanelView #2



Vin	Vin	-	GND
RxA	TxA	-	-
EXEMYS			
TRA-	TRA+	RA+	RA-
I/O 0	I/O 1	I/O 2	I/O 3

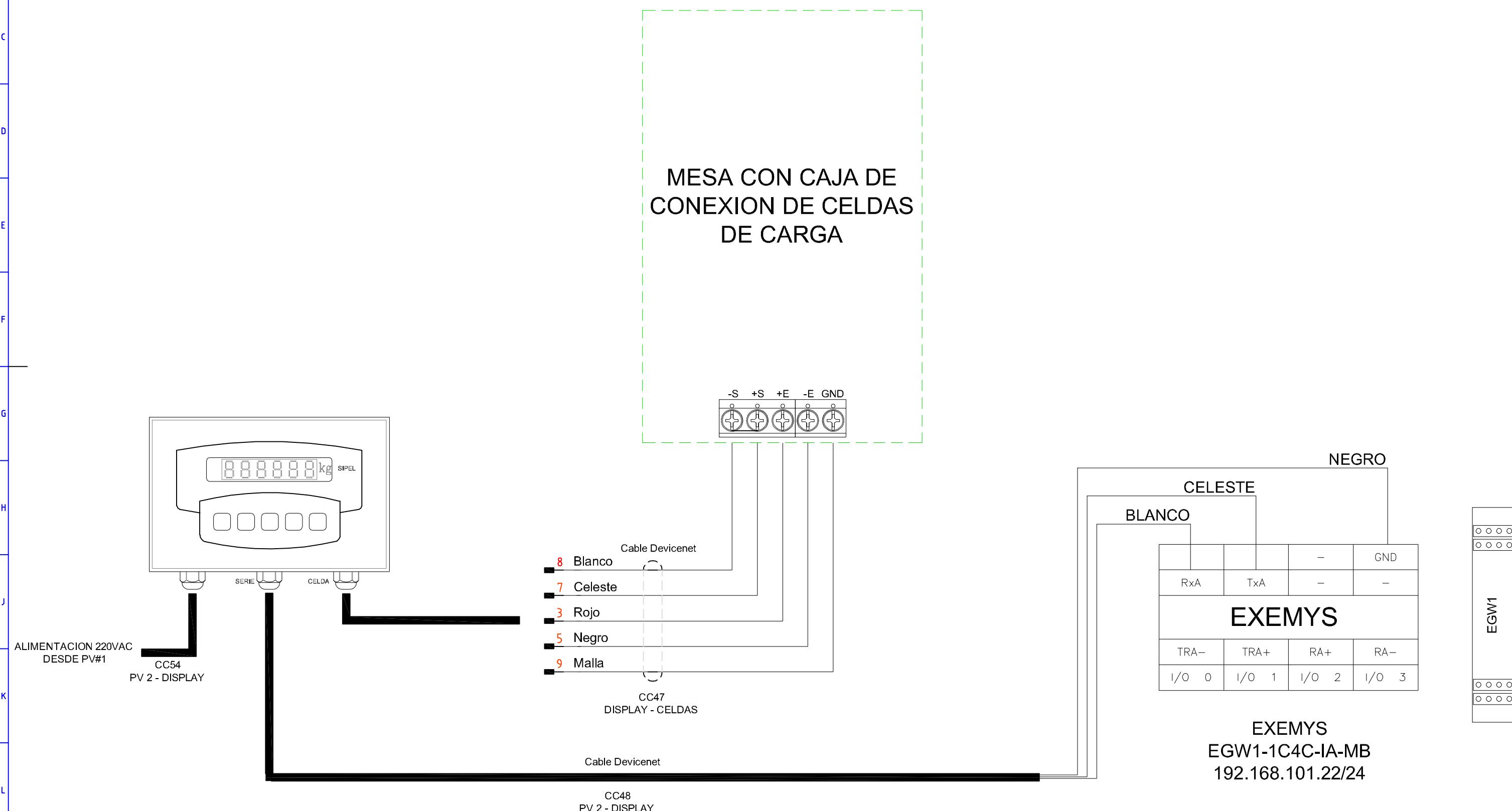
PROJECT	5	5	REVISION NO.	087	131
SIDERCROM EMBALAJE	4	4	ISSUED BY	087	131
DRAWING NO.	3	3	MADE BY	087	131
1	1	1	REV. INT. P&F	087	131
REV. CLIENTE	LH	E6	087	087	131
P&F	D.F.	Safety No.	087	087	131
Av. Delgrado 2272 (B1411VDF) Don Torcuato Buenos Aires Argentina	087	087	087	087	131
JOB	087	087	087	087	131
PLANT: SIDERCROM	087	087	087	087	131
LOCATION/ACTIVITY	087	087	087	087	131

BALANZA Y CELDAS DE CARGA
ESTACION #2

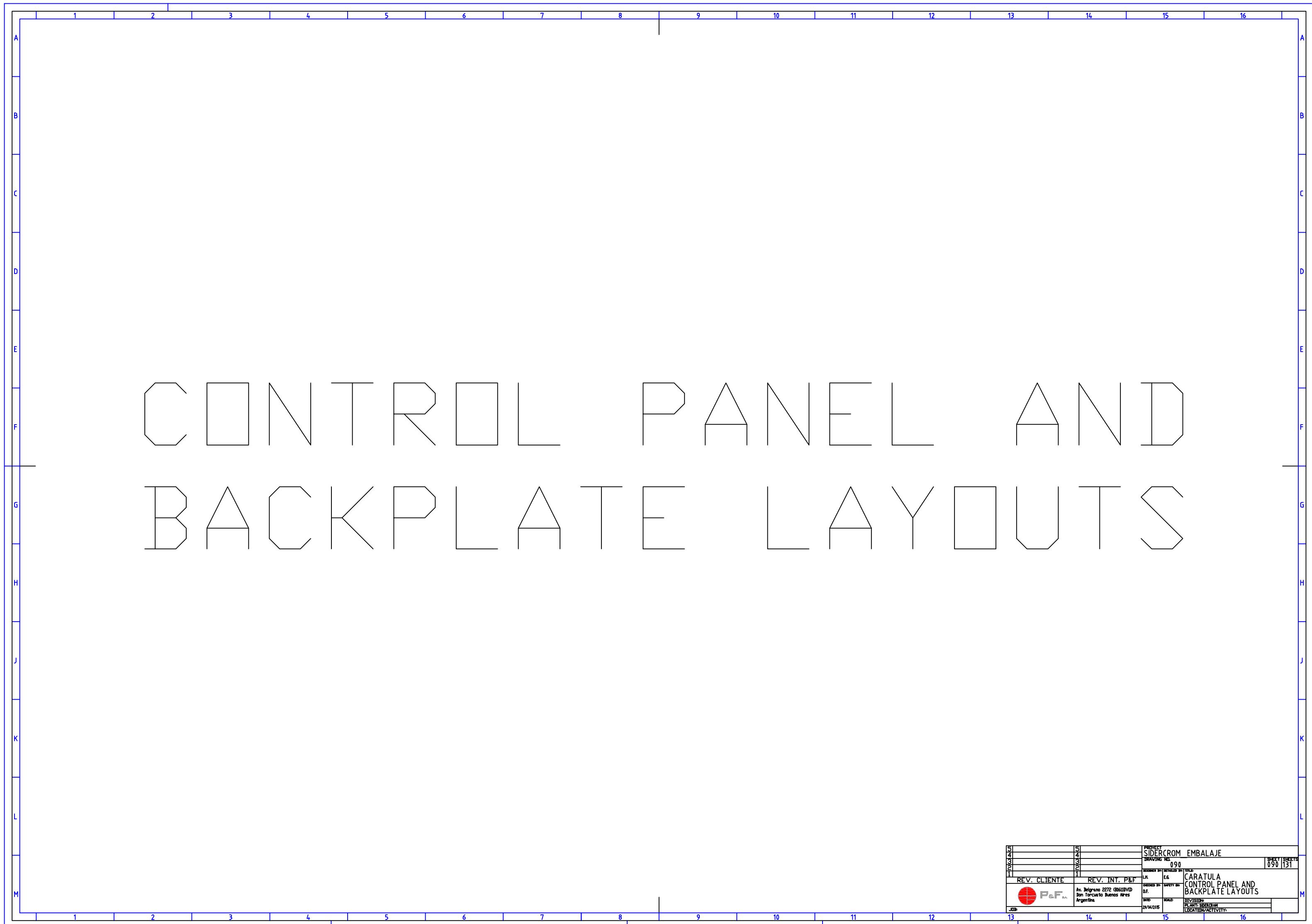


PROJECT		SIDERCRON EMBALAJE	
REVISION BY	REVISION DATE	DRAWING NO.	088
REV. CLIENTE	REV. INT. P&F	REVISION BY	REVISION DATE
P&F	Av. Delgrado 2272 (B1410VDF) Don Torcuato Buenos Aires Argentina	D.F.	Safety
JOB	03/14/215	03/14/215	03/14/215
DIVISION: PLANT: SIDERCRON		LOCATION/ACTIVITY:	

BALANZA Y CELDAS DE CARGA
ESTACION #5

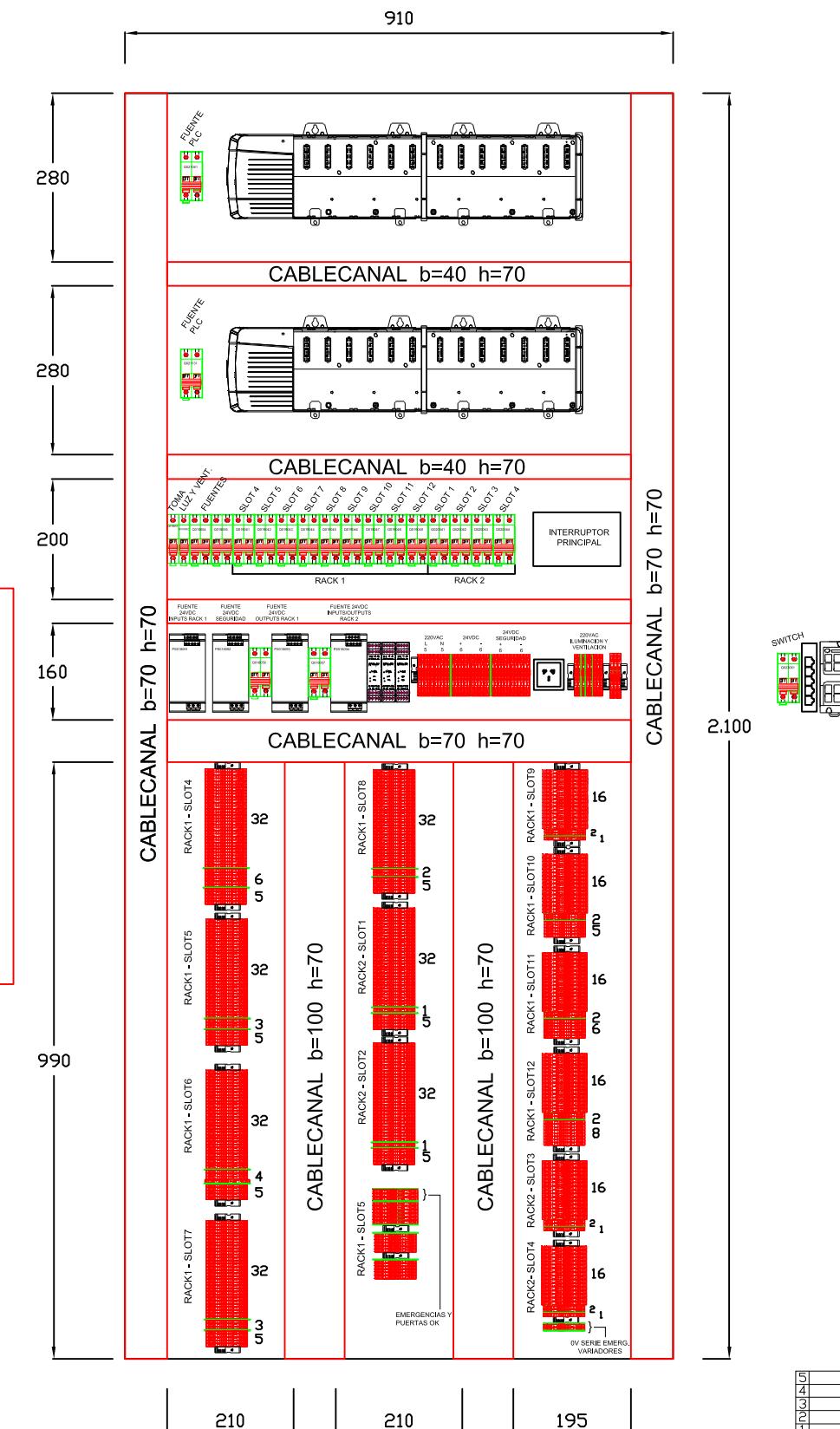
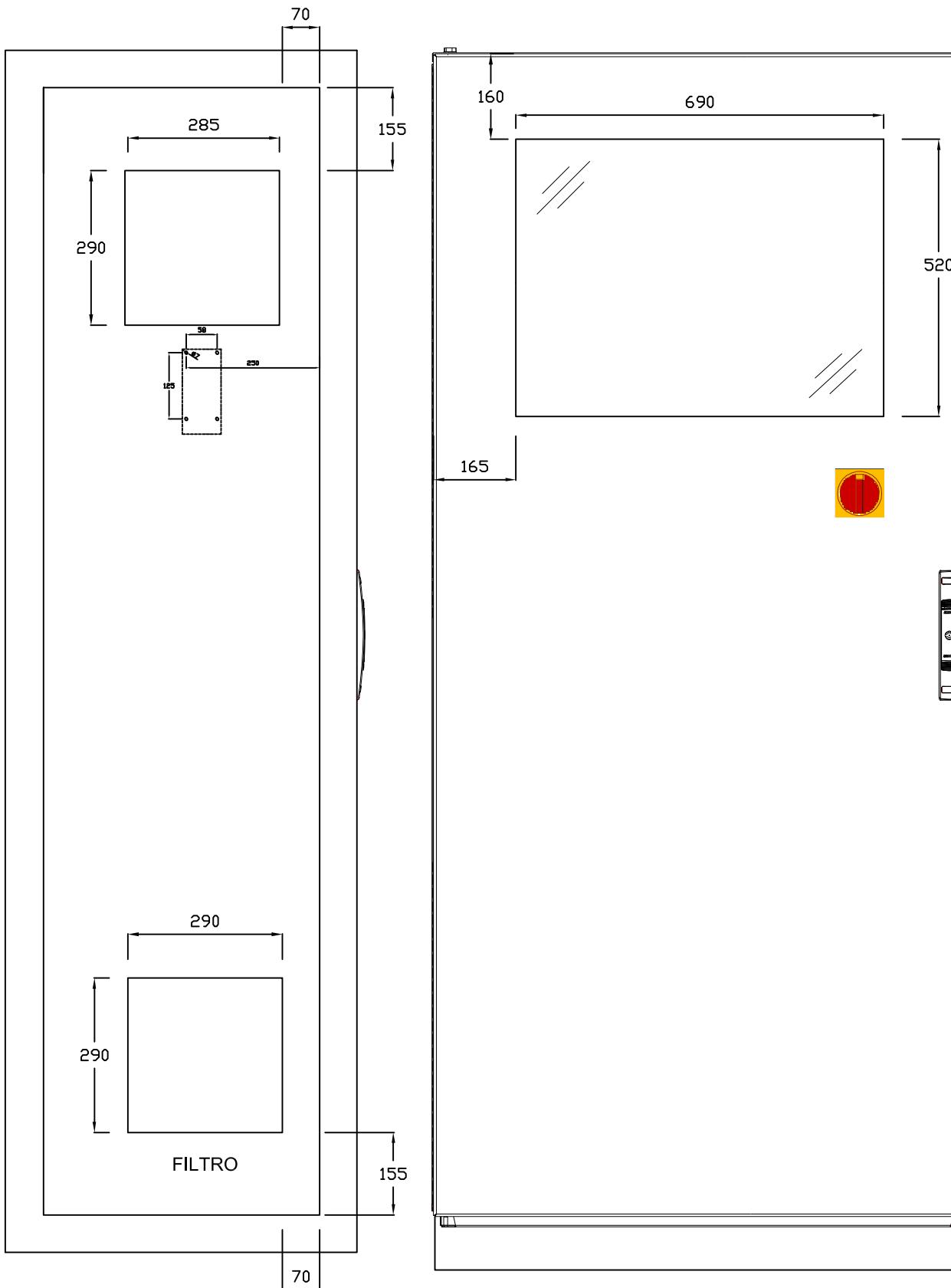


PROJECT		DRAWING NO.		SHEET	
5	4	3	2	1	089 / 131
REVISION BY	REVISION DATE	REVISION BY	REVISION DATE	REVISION BY	REVISION DATE
REV. CLIENTE	REV. INT. P&F	LH	E6	D.F.	Safety Rev.
P&F	Av. Belgrano 2272 (C1070VWD) Don Torcuato Buenos Aires Argentina	DAVID	ISOLD	PLANT:	LOCATION/ACTIVITY:
JOB#	19/14/215	EGW1	EGW1	PLANT: SIDERCRON	LOCATION/ACTIVITY:



Tablero 2200X1000X660

Placa de Montaje 2100X910



Cable 1x1mm ²	ID Multipar	Nº Hilo	Nº Cable	Componente
1	CC1 TB Comando - TB Potencia	2	060071	Rete Seg.
		3	060072	Reserva
		4	Reserva	24VDC
		5	019063	GM012051
		6	019064	GU012052
		7	019065	GU012053
		8	019066	GU012054
		9	019067	GU012055
		10	019068	GU012056
		11	019069	GU013051
		12	019070	GU013052
		13	019071	GU013053
		14	019072	GU013054
		15	019073	GU013055
		16	019074	GU013056
2	CC2 TB Comando - TB Potencia	7	GU014051	Guardamotor
		8	GU014052	
		9	GU014053	
		10	GU014054	
		11	GU014055	
		12	GU014056	
		13	GU015051	
		14	GU015052	
		15	GU015053	
		16	GU015054	
3	CC3 TB Comando - TB Potencia	6	GU015055	
		7	GU015056	
		8	GU016051	
		9	GU016052	
		10	GU016053	
		11	GU016054	
		12	0190611	DvDC
4	CC4 TB Comando - TB Potencia	2	K037001	Conector
		3	K037011	
		4	K037021	
		5	K037031	
		6	K037041	
		7	K037051	
		8	K037061	
		9	K037071	
		10	K037081	
		11	K037091	
		12	K037101	
		13	K037111	
		14	K037121	
		15	K037131	
		16	K037141	
5	CC5 TB Comando - TB Potencia	7	190614	DvDC
		8	K038001	Conector
		9	K038011	
		10	K038021	
		11	K038031	
		12	K038041	
		13	K038051	
		14	K038061	
		15	K038071	
		16	K038081	
6	CC6 TB Comando - TB Potencia	5	020066	DvDC
		6	O200671	Conector
		7	RA046001	
		8	RA046021	
		9	RA046031	
		10	RA046041	
		11	RA046051	
		12	RA046061	
		13	RA046071	
		14	RA046081	
		15	RA046091	
		16	RA046101	
7	CC7 TB Comando - TB Potencia	5	060121	Rete Seg.
		6	060122	Reserva
		7	Reserva	Reserva
		8	Reserva	Reserva
		9	Reserva	Reserva
		10	Reserva	Reserva
		11	Reserva	Reserva
		12	Reserva	Reserva
		13	Reserva	Reserva
		14	020061	24VDC
		15	020062	OV
		16	07521	LIMIT SWITCH
8	CC49 TB Comando - TB Potencia	5	07541	
		6	07561	
		7	07581	
		8	K07521	INPUTS
		9	K07531	
		10	K07551	
		11	K07581	
		12	-	

1	REV. CLIENTE	2	REV. INT. P&F	3	PROJECT	4	SIDERCROM EMBALAJE
2		3		4	DRAWING NO.	5	091
3		4		5	DESIGNER BY	6	131
4		5		6	DETAILED BY	7	Sheets
5		6		7	DATE	8	091
6		7		8	TIME	9	131
7		8		9	1/1	10	
8		9		10	1/1	11	
9		10		11	1/1	12	
10		11		12	1/1	13	
11		12		13	1/1	14	
12		13		14	1/1	15	
13		14		15	1/1	16	
14		15		16	1/1		
15		16					
16							

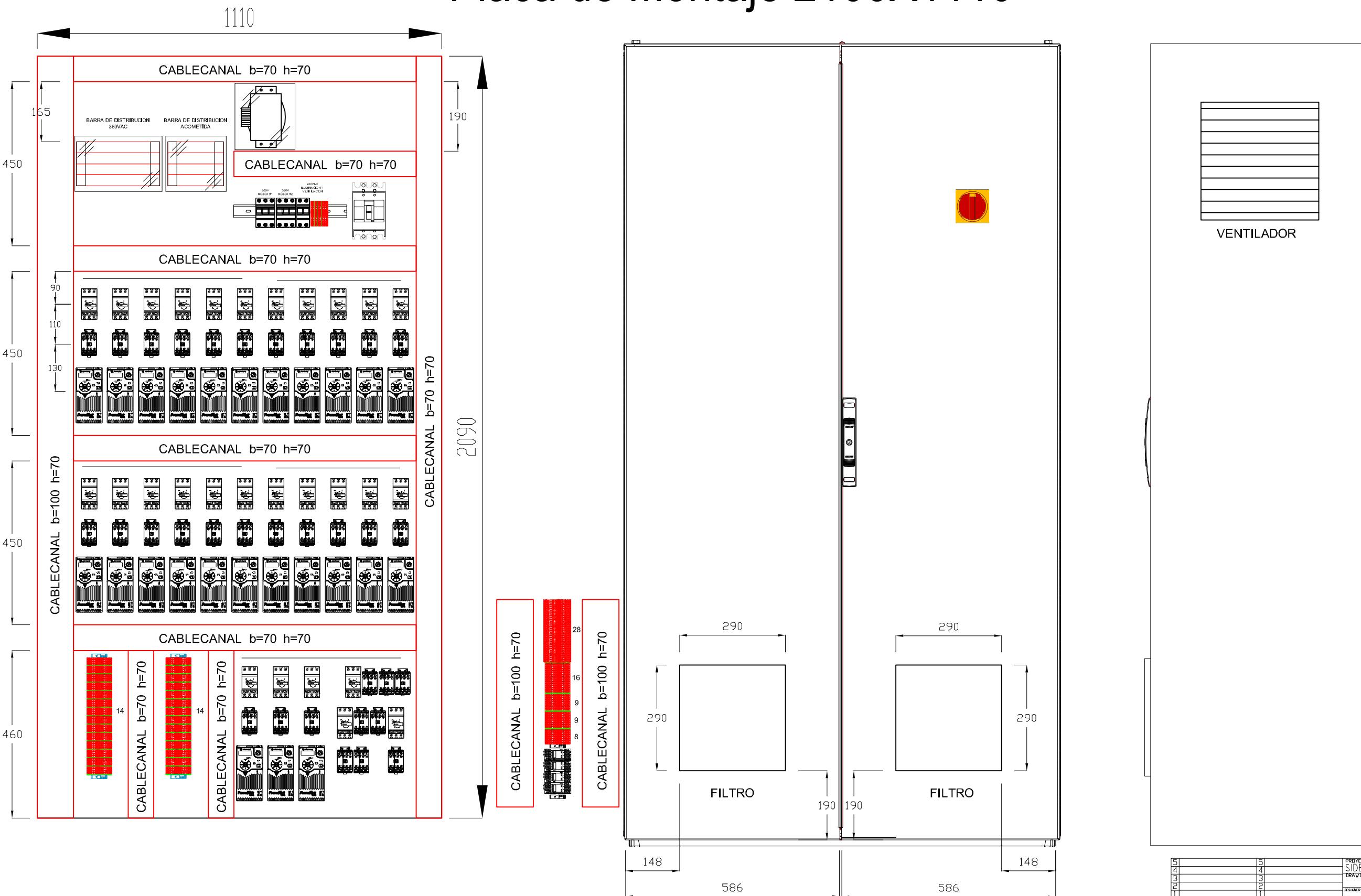
Project Data:

- Project: SIDERCROM EMBALAJE
- Drawing No.: 091
- Designer By: L.H.
- Detailed By: D.F.
- Date: 01/16/215
- Time: 1/1
- Sheet: 091 of 131

Panel Topographic:

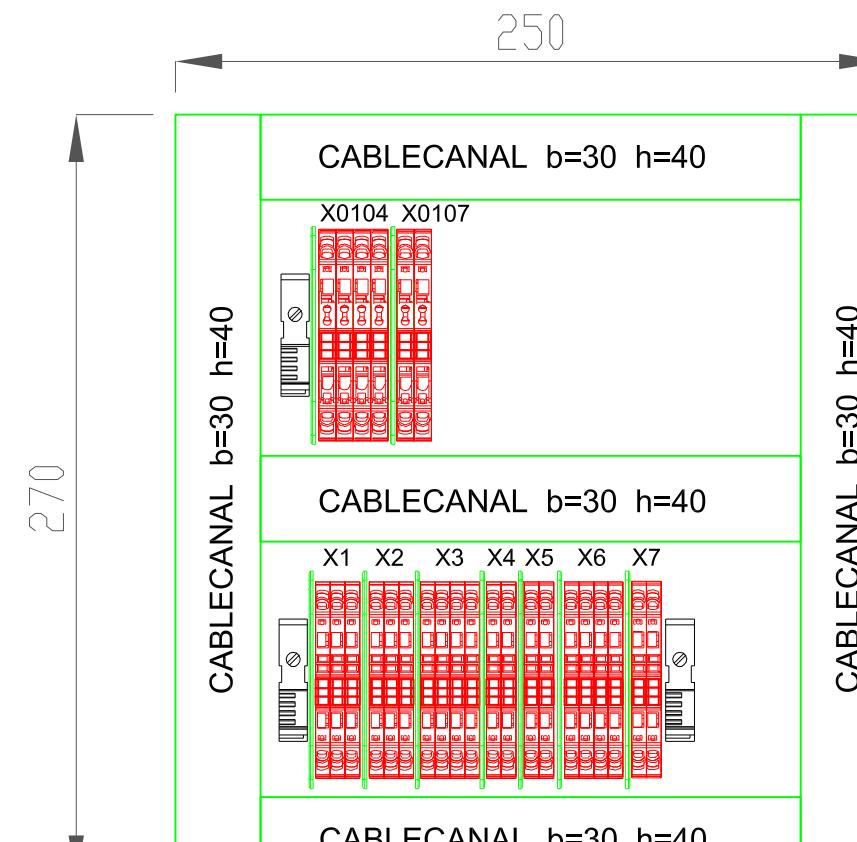
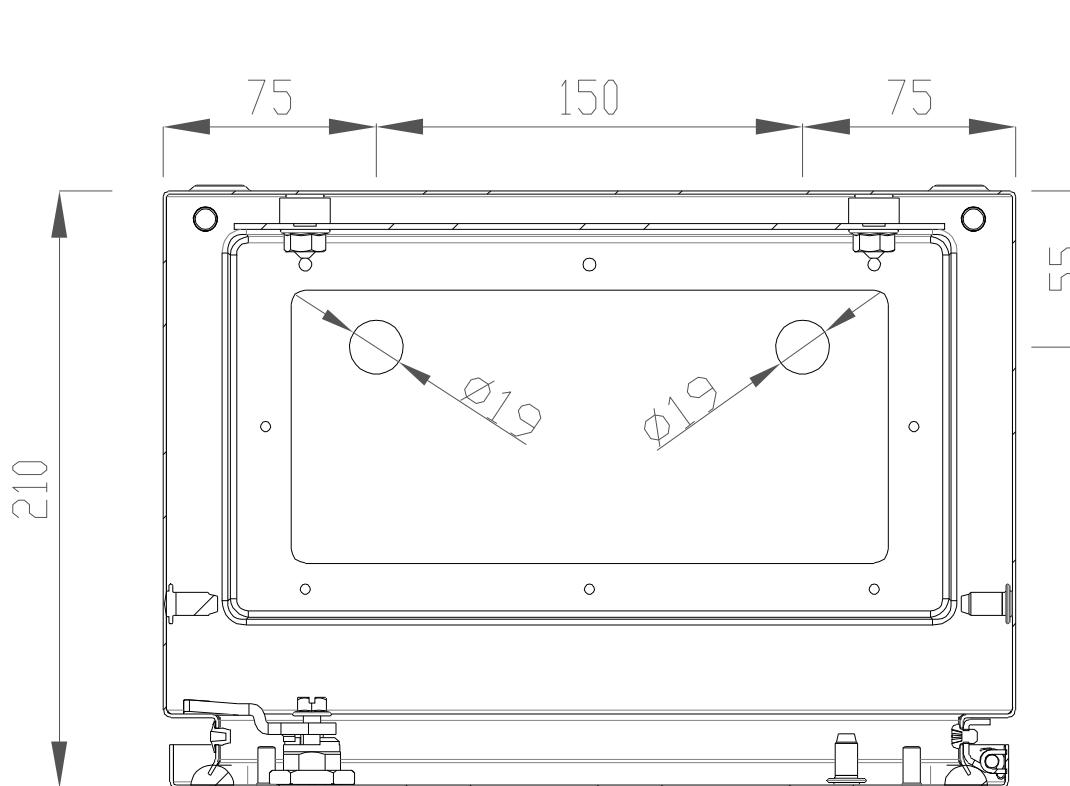
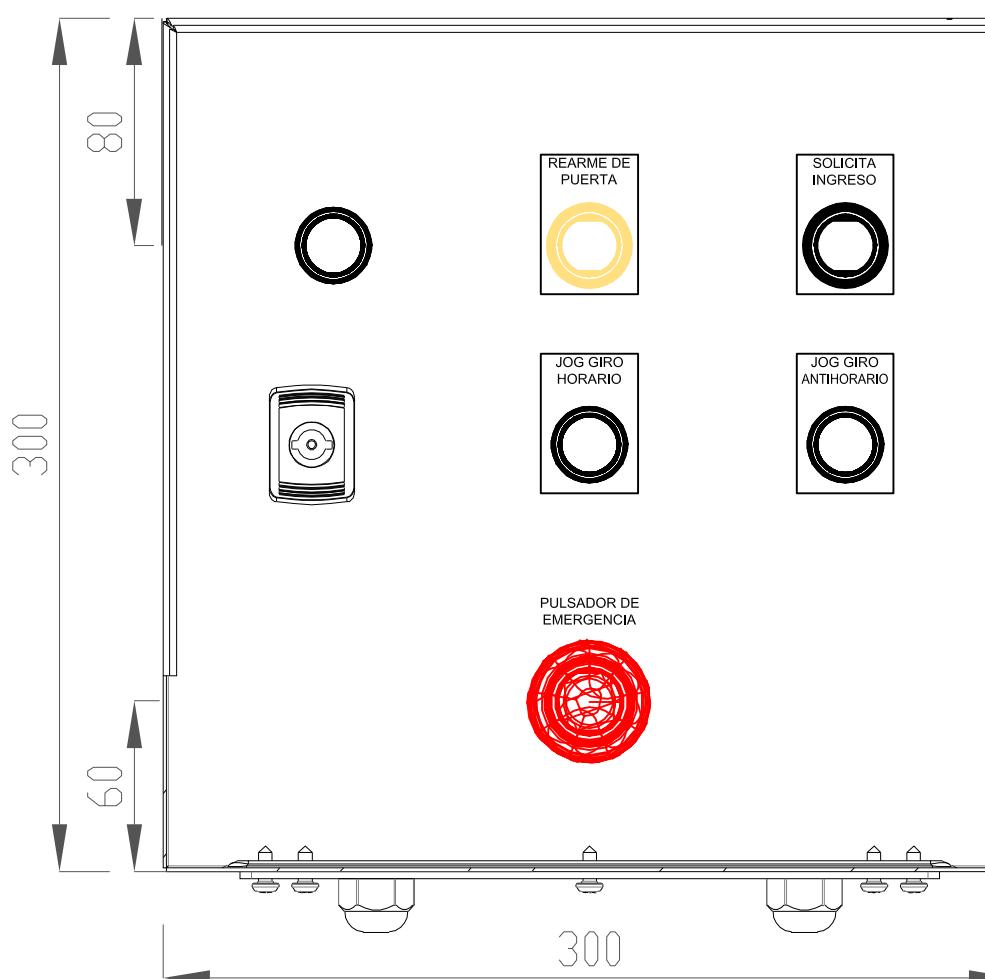
- Panel Type: TABLERO COMANDO
- Panel Dimensions: 2100 X 910
- Panel Thickness: 660

Tablero 2200X1200X600
Placa de Montaje 2100X1110



5	5	PROJECT SIDERCROM EMBALAJE	
4	4	DRAWING NO.	
3	3	092	SHEET NO. SHEETS 092 131
2	2	DESIGNER BY	TITLE
1	1	L.H.	TOPOGRAFICO
REV. INT. P&F		E.G.	TABLERO POTENCIA
 P&F Av. Belgrano 2272 (B1610DVD) Don Torcuato Buenos Aires Argentina		CHECKED BY	SAFETY OK
		D.F.	
JOB:		DATE:	SCALE:
		23/11/2115	DIVISION: PLANT: SIDERCROM LOCATION/ACTIVITY:

TABLERO - JB ACCESO 1

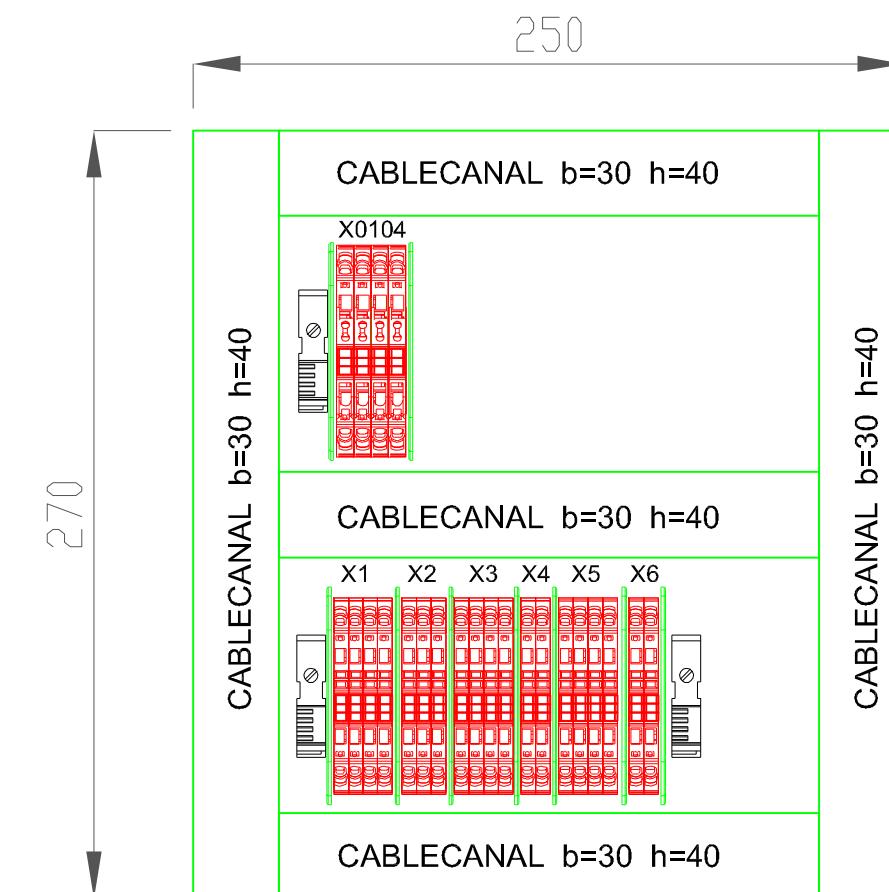
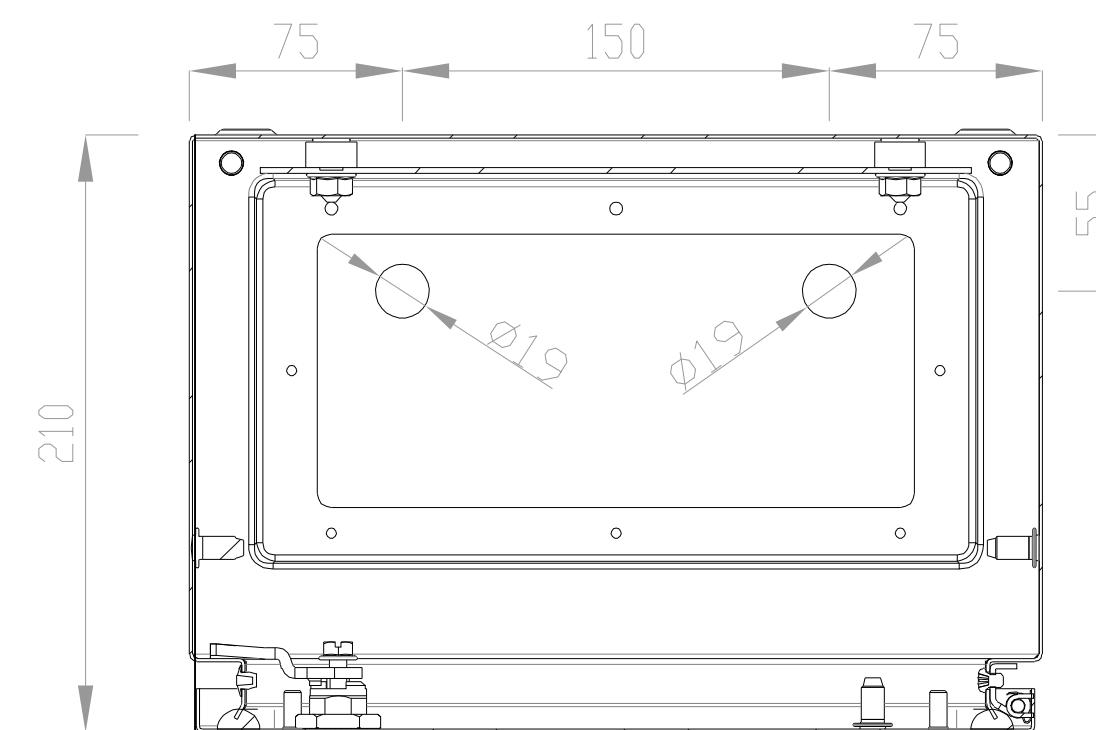
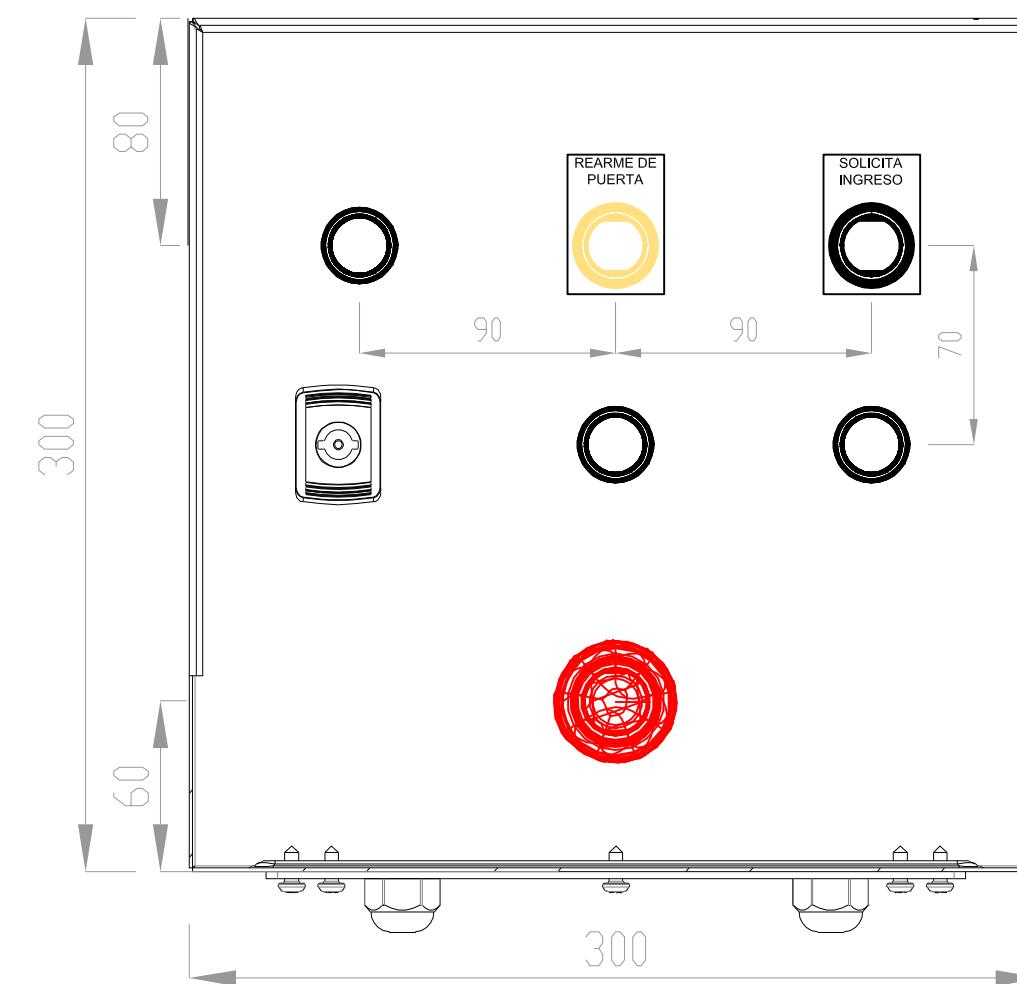


Tablero 300x300x210
Eldon - MAS0303021R5

Tablero	Multipor	Nº Hilo	Nº Cable	Bornera	Componente	Descripcion
CC25	PE03125	2	019061	X0104		24VDC - Rack 1 / Slot 4
		3	026076	X3		IN - Pulsador de Emerg. Acceso 1
		4	026116	X3		IN - Pulsador de Emerg. Acceso 1
		5	026075	X3		OUT - Pulsador de Emerg. Acceso 1
		6	026115	X3		OUT - Pulsador de Emerg. Acceso 1
		7	PE03125	X1	Pulsador de Emergencia Acceso 1	
		8	PX03107	X1	PX03107	Pedido de Acceso - Puerto 1
CC26	YS03812	9	PX03113	X1	PX03113	Rearme de Puerta - Puerto 1
		10	027071	X6		IN Canal Seg.1 Puerto 1
		11	027081	X6		IN Canal Seg.1 Puerto 1
		12	027121	X6		OUT Canal Seg.2 Puerto 1
		2	027131	X6		OUT Canal Seg.2 Puerto 1
		3	YS03812	X1		Puerta 1 Cerrada
		4	-		RESERVA	
CC27	PB03400	5	019067	X0107		24V - Rack 1 / Slot 7
		6	PB03400	X5	PB03400	Pulsador Jog giro antihorario
		7	PB03401	X5	PB03401	Pulsador Jog giro horario
		8	-		RESERVA	
		9	-		RESERVA	
		10	0190614	X7		OV - Rack 1 / Slot 10
		11	YS03812	X7	YS03812	Cerradura de Puerta 1
		12	-		RESERVA	
		2	0190616	X2		OV - Rack 1 / Slot 11
		3	L03908	X2	L03908	Led Verde TB Acceso 1
		4	L03909	X2	L03909	Led Rojo TB Acceso 1
		5	-		RESERVA	
		6	0190618	X4		OV - Rack 1 / Slot 12
		7	L04007	X4	L04007	Baliza roja Acceso 1
		8	-		RESERVA	
		9	-		RESERVA	
		10	-		RESERVA	
		11	-		RESERVA	
		12	-		RESERVA	

5	5	PROJECT	SIDERCRON EMBALAJE
4	4	DRAWING NO	094
3	3	DESIGNED BY	E.G.
2	2	DETAILED BY	D.F.
1	1	CHECKED BY	Safety DC
REV. CLIENTE	REV. INT. P&F	DATE:	19/14/215
LH	E.G.	SCALE:	1:1
P&F		DIVISION:	SIDERCRON
		PLANT:	SIDERCRON
		LOCATION/ACTIVITY:	

TABLERO - JB ACCESO 2

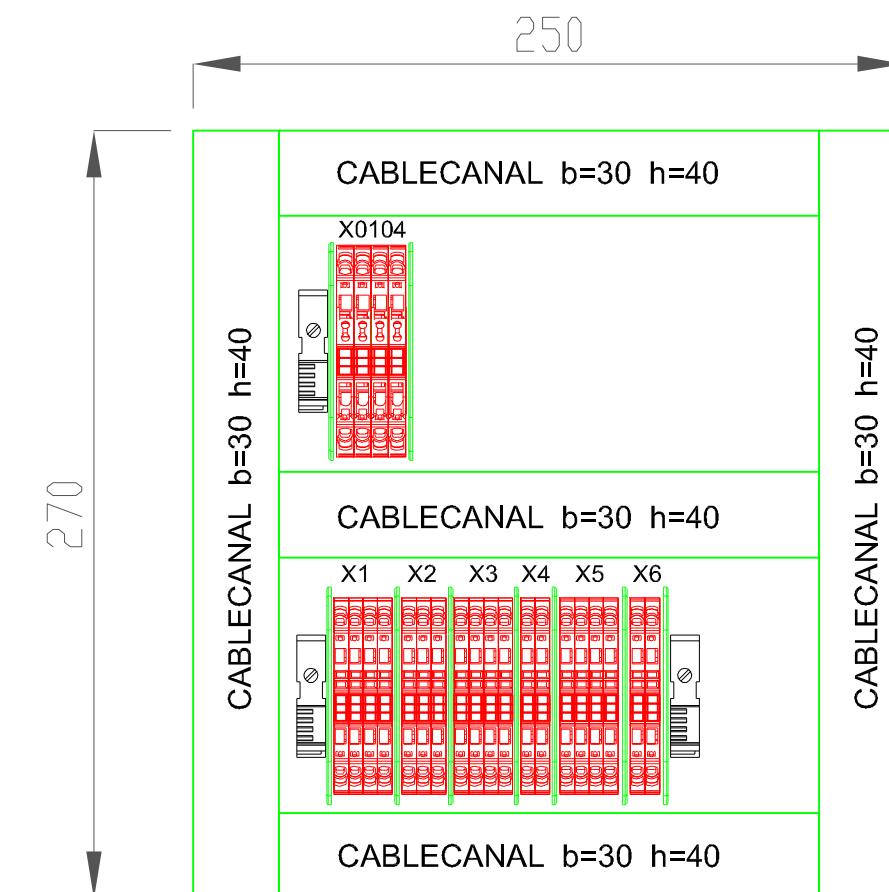
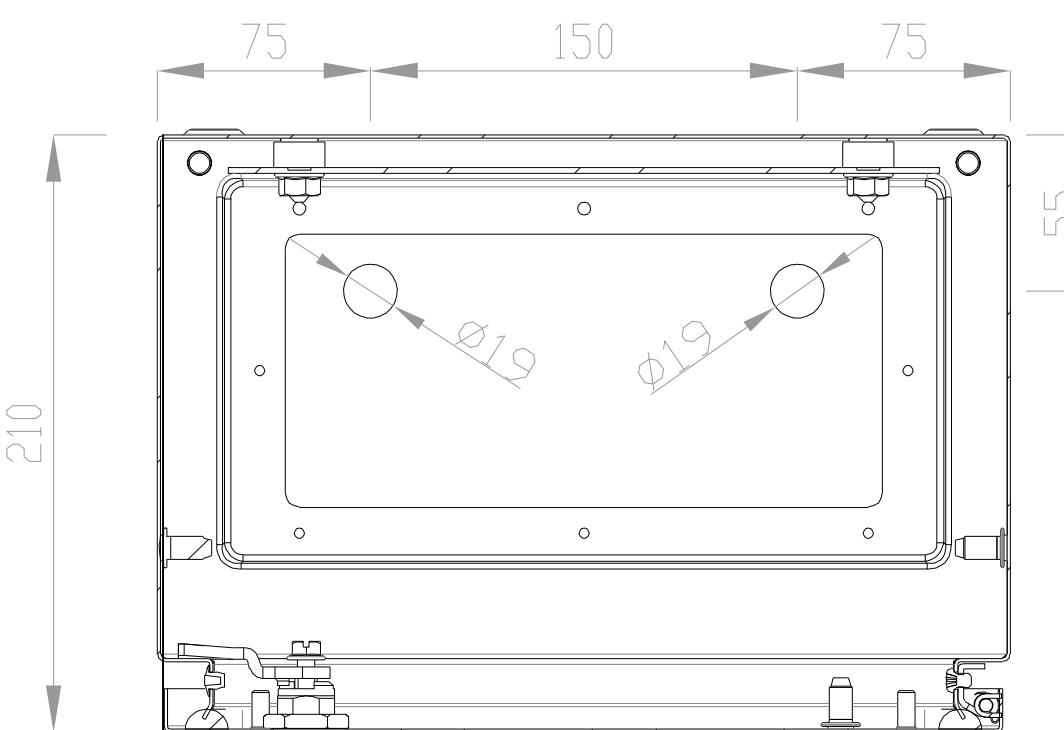
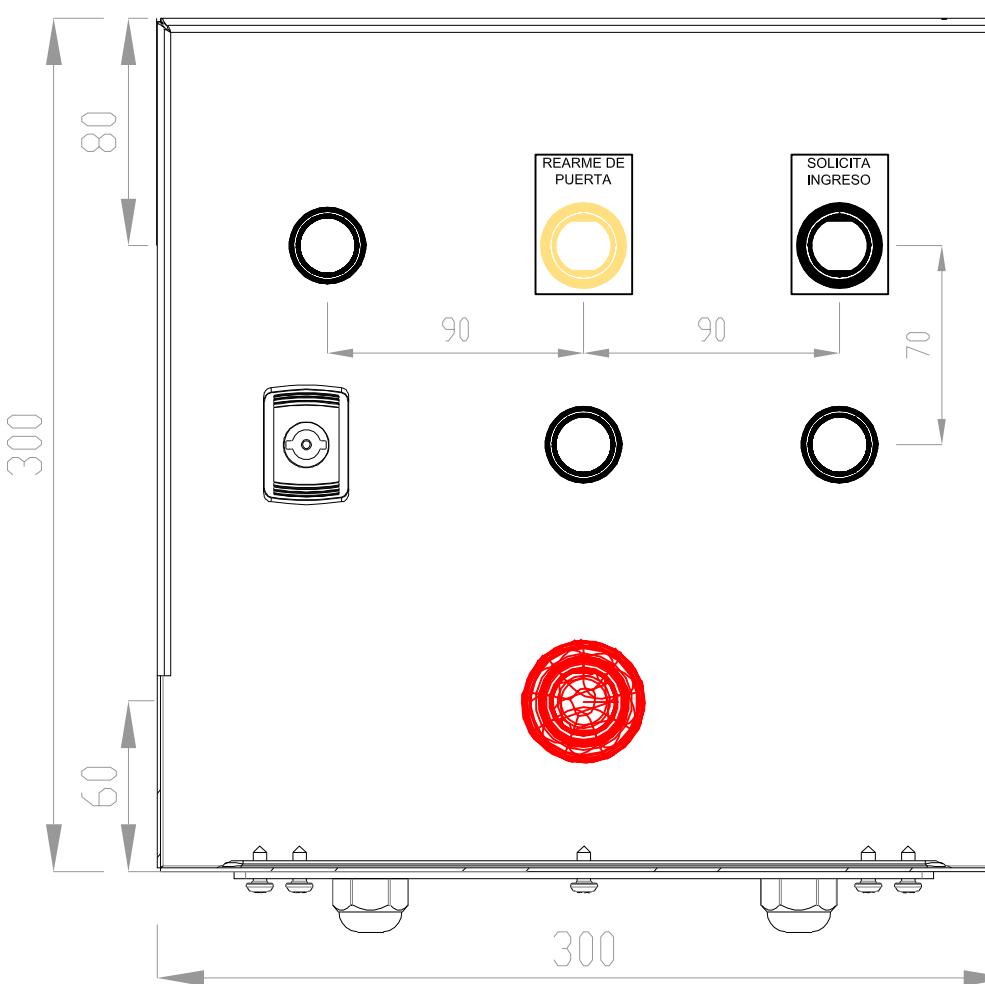


Tablero 300x300x210
Eldon - MAS0303021R5

Tablero	Tablero	Nº Hilo	Nº Cable	Tags Bornera	Componente	Descripcion
JB Acceso 2	CC28	2	019061	X0104	PE03126	24VDC - Rack 1 / Slot 4
		3	026078	X3		IN - Pulsador de Emerg. Acceso 2
		4	026118	X3		IN - Pulsador de Emerg. Acceso 2
		5	026077	X3		OUT - Pulsador de Emerg. Acceso 2
		6	026117	X3		OUT - Pulsador de Emerg. Acceso 2
		7	PE03126	X1		Pulsador de Emergencia Acceso 2
		8	PX03108	X1	PX03108	Pedido de Acceso - Puerta 2
		9	PX03114	X1	PX03115	Rearme de Puerta - Puerta 2
		10	027121	X5	YS03813	IN Canal Seg.1 Puerta 2
		11	027131	X5		IN Canal Seg.1 Puerta 2
		12	027091	X5		OUT Canal Seg.2 Puerta 2
	CC29	2	027132	X5		OUT Canal Seg.2 Puerta 2
		3	SA02702	X1		Puerta 2 Cerrada
		4	0190614	X6	YS03813	OV - Rack 1 / Slot 10
		5	YS03813	X6		Cerradura de Puerta 2
		6	0190616	X2		OV - Rack 1 / Slot 11
		7	L03910	X2	L03910	Led Blanco TB Acceso 2
		8	L03911	X2	L03911	Led Amarillo TB Acceso 2
		9	0190618	X4	L04008	OV - Rack 1 / Slot 12
		10	L04008	X4		Baliza roja Acceso 2
		11	-.	-		-
		12	-	-	RFSRVA	-

5	5	PROJECT	SIDERCROM EMBALAJE	
4	4	DRAWING NO.	095	
3	3	DESIGNED BY	TITLE	
2	2	L.M.	TOPOGRAFICO	
1	1	checked by	Safety Dir.	TABLERO
REV. CLIENTE		REV. INT. P&F		J.B ACCESO 2
 P&F		Av. Belgrano 2272 (B1610DVF) Don Torcuato Buenos Aires Argentina		
JOB		DATE	SCALE	DIVISION
		28/10/2015		PLANT SIDERCROM
				LOCATION/ACTIVITY

TABLERO - JB ACCESO 3

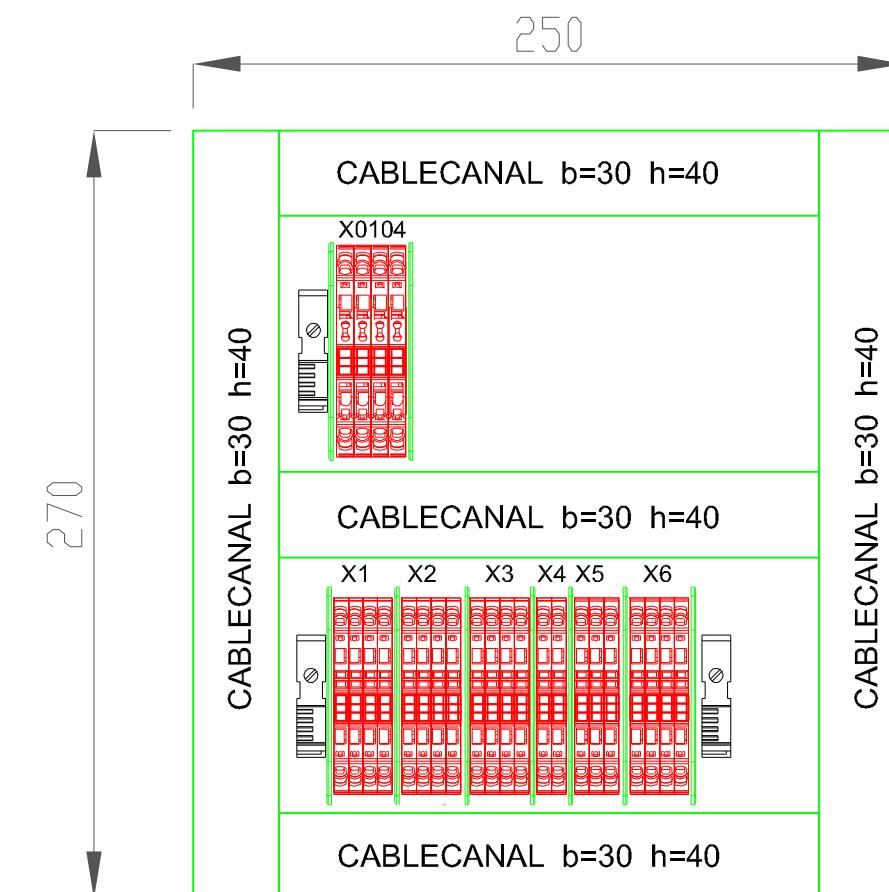
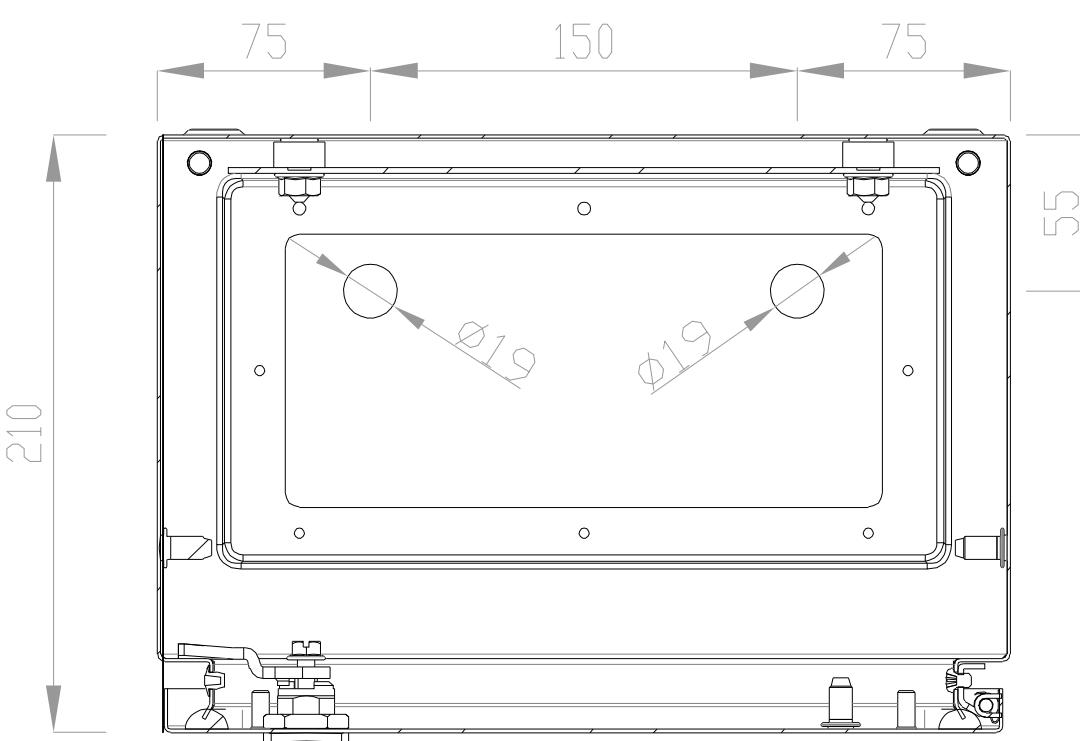
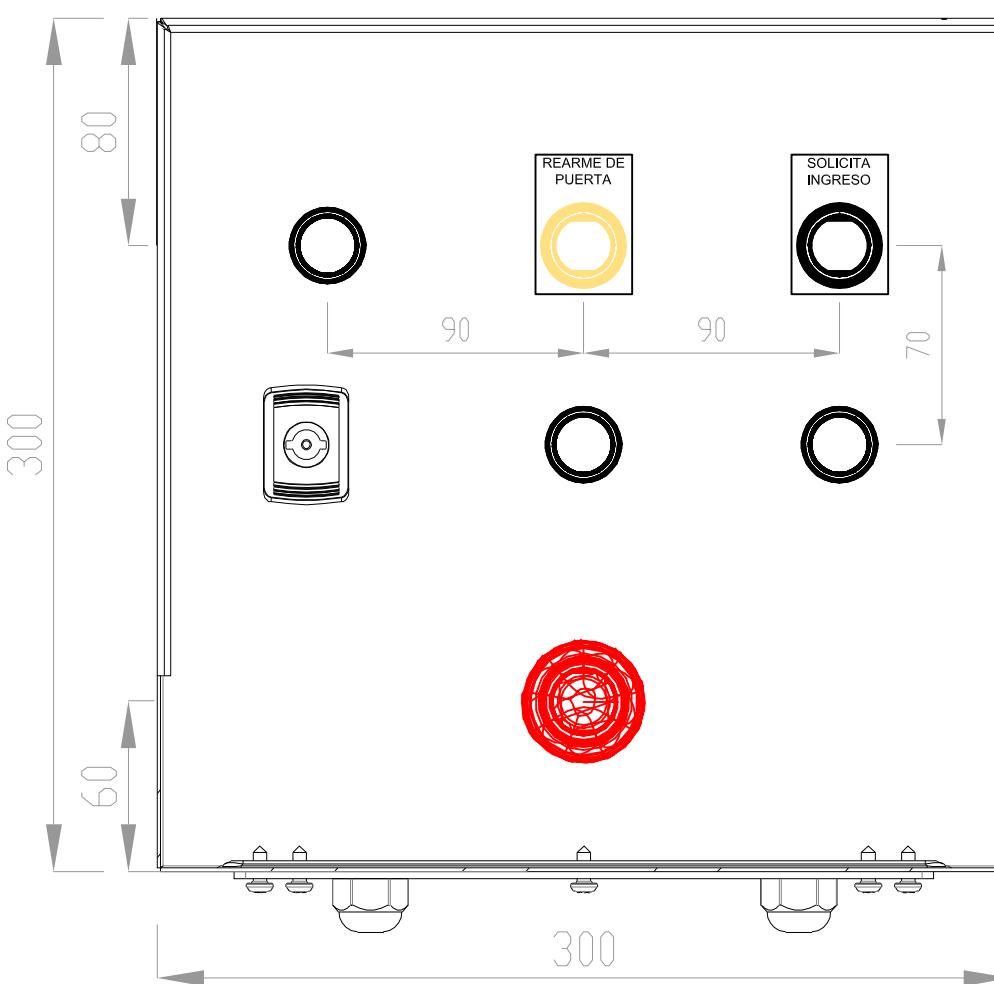


Tablero 300x300x210
Eldon - MAS0303021R5

Tablero	Multipar	Nº Hilo	Nº Cable	Tags Bornera	Componente	Descripcion
JB Acceso 3	CC30	2	019061	X0104	PE03127	24VDC - Rack 1 / Slot 4
		3	026075	X3		IN - Pulsador de Emerg. Acceso 3
		4	026115	X3		IN - Pulsador de Emerg. Acceso 3
		5	026074	X3		OUT - Pulsador de Emerg. Acceso 3
		6	026114	X3		OUT - Pulsador de Emerg. Acceso 3
		7	PE03127	X1		Pulsador de Emergencia Acceso 3
		8	PX03109	X1	PX03109	Pedido de Acceso - Puerta 3
		9	PX03115	X1	PX03115	Rearme de Puerta - Puerta 3
		10	028071	X5	YS03814	IN Canal Seg.1 Puerta 3
		11	028081	X5		IN Canal Seg.1 Puerta 3
		12	028121	X5		OUT Canal Seg.2 Puerta 3
	CC31	2	028131	X5		OUT Canal Seg.2 Puerta 3
		3	SA02803	X1		Puerta 3 Cerrada
		4	0190614	X6		OV - Rack 1 / Slot 10
		5	YS03814	X6	YS03814	Cerradura de Puerta 3
		6	0190616	X2		OV - Rack 1 / Slot 11
		7	L03912	X2	L03912	Led Blanco TB Acceso 3
		8	L03913	X6	L03913	Led Amarillo TB Acceso 3
		9	0190618	X4		OV - Rack 1 / Slot 12
		10	L04012	X4	L04012	Baliza roja Acceso 3
		11	-	-	RESERVA	-
		12	-	-	RF5FRVA	-

5	5	PROJECT	SIDERCROM EMBALAJE
4	4	DRAWING NO.	096
3	3	SCALE	096 SHEETS 131
2	2	DESIGNER BY:	TITLE:
1	1	L.H. E.G. D.F.	TOPOGRAFICO TABLERO JB ACCESO 3
REV. CLIENTE		REV. INT. P&F	CHECKED BY: SAFETY BY: D.F.
 P&F		Av. Belgrano 2272 (B1610IVD) Don Torcuato Buenos Aires Argentina	DATE: 29/06/2015
JOB:		DIVISION: PLANTA SIDERCROM IFICATION/ACTIVITY:	

TABLERO - JB ACCESO 4



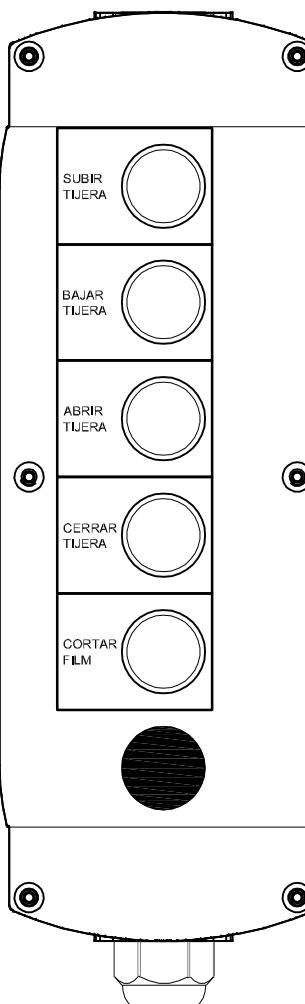
Tablero 300x300x210
Eldon - MAS0303021R5

Tablero	Multipar	Nº Hilo	Nº Cable	Tags Bornera	Componente	Descripcion
JB Acceso 4	CC32	2	019061			24VDC - Rack 1 / Slot 4
		3	026073	X1	PE03128	IN - Pulsador de Emerg. Acceso 4
		4	026113	X1		IN - Pulsador de Emerg. Acceso 4
		5	026072	X1		OUT - Pulsador de Emerg. Acceso 4
		6	026112	X1		OUT - Pulsador de Emerg. Acceso 4
		7	PE03128	X2		Pulsador de Emergencia Acceso 4
		8	PX03110	X2	PX03110	Pedido de Acceso - Puerta 4
		9	PX03116	X2	PX03116	Rearme de Puerta - Puerta 4
		10	028121	X3	YS03815	IN Canal Seg.1 Puerta 4
		11	028131	X3		IN Canal Seg.1 Puerta 4
		12	028091	X3		OUT Canal Seg.2 Puerta 4
	CC33	2	028132	X3		OUT Canal Seg.2 Puerta 4
		3	SA02804	X2		Puerta 4 Cerrada
		4	0190614	X4		OV - Rack 1 / Slot 10
		5	YS03815	X4	YS03815	Cerradura de Puerta 4
		6	0190616	X5		OV - Rack 1 / Slot 11
		7	L03914	X5	L03914	Led Blanco TB Acceso 4
		8	L03915	X5	L03915	Led Amarillo TB Acceso 4
		9	0190618	X6		OV - Rack 1 / Slot 12
		10	L04013	X6	L04013	Baliza roja Acceso 4
		11	-	-	RESERVA	-
		12	-	-	RESERVA	-

5	5	PROJECT SIDERCROM	EMBALAJE	
4	4	DRAWING NO.	097	SHEET NO. 097 / SHEETS 131
3	3	DESIGNER BY	DETAILED BY	TITLE
2	2	LH	EG	TOPOGRAFICO
1	1	CHECKED BY	SAFETY BY	TABLERO
REV. CLIENTE		REV. INT. P&F		DF
 P&F		Av. Belgrano 2272 (B1610D)D Don Torcuato Buenos Aires Argentina		ACCESO 4
JOB		DATE	SCALE	DRAWN BY
		23/11/215		PLANT: SIDERCROM LOCATION/ACTIVITY:

BOTONERA

TIJERA CORTE DE FILM



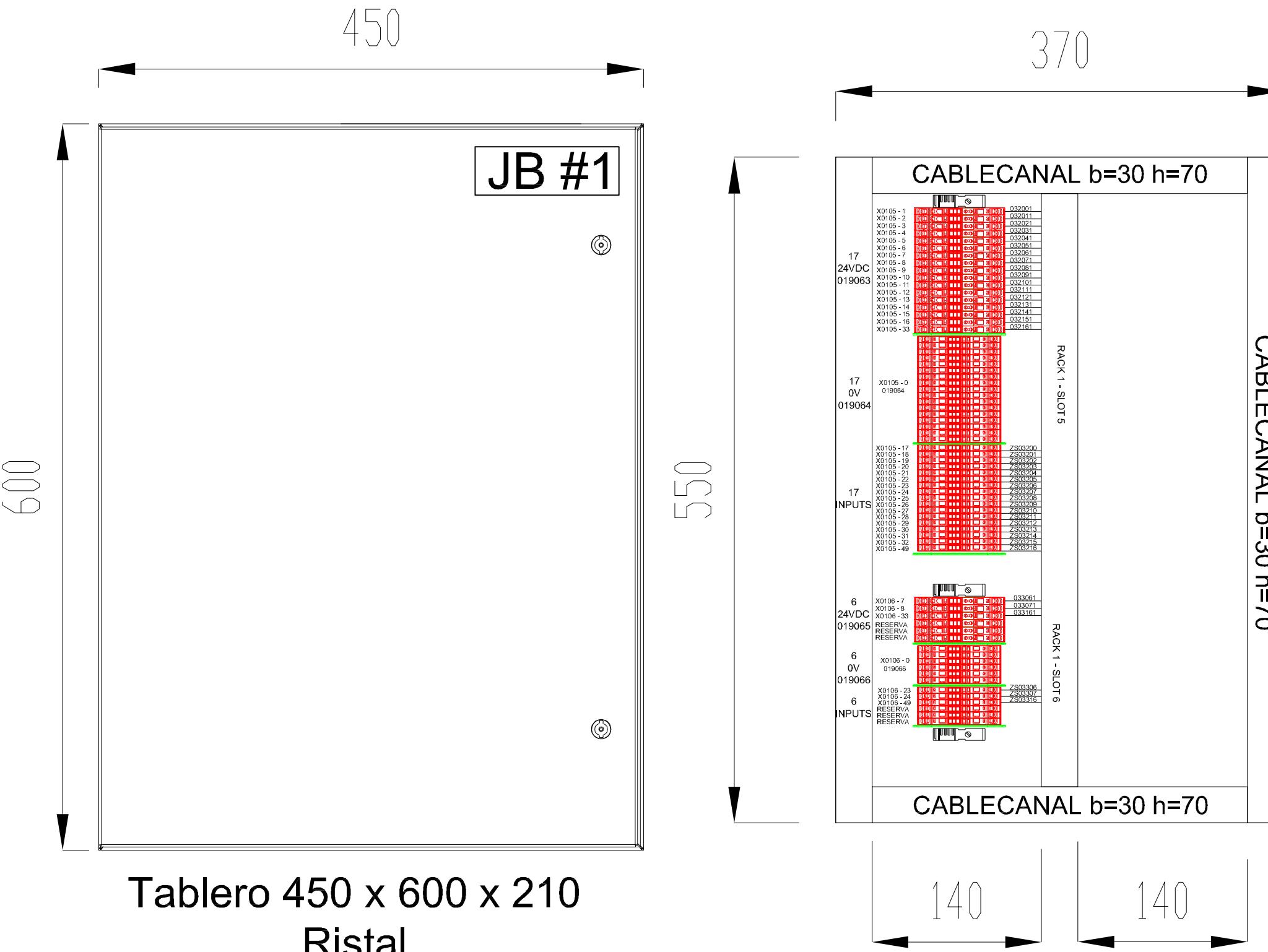
MULTIPAR	ID MULTIPAR	Nº HILO	Nº CABLE	DESCRIPCION
10x1 mm ²	CC80 COMANDO - BOTONERA	1	019067	24VDC
		2	PX03420	PULSADOR - SUBIR TIJERA
		3	PX03421	PULSADOR - BAJAR TIJERA
		4	PX03422	PULSADOR - ABRIR TIJERA
		5	PX03423	PULSADOR - CERRAR TIJERA
		6	PX03424	PULSADOR - CORTAR FILM
		7	-	RESERVA
		8	-	RESERVA
		9	-	RESERVA
		10	-	RESERVA

PROJECT	5	5	PROJECT	SIDERCROM EMBALAJE	
NUMBER	4	4	DRAWING NO.	098	
DESIGNER BY	3	3	RELEASER BY	131	
RELEASER BY	2	2	DATE	098	
1	1	1	REV. CLIENTE	REV. INT. P&F	TOPOGRAFICO
			LH	E6	BOTONERA TIJERA
			D.F.	SAFETY NO.	CORTE DE FILM
			DAVID	ISOLD	PLANT: SIDERCROM
			11/15/215		LOCATION/ACTIVITY:

P&F

TABLERO DE DISTRIBUCION I/O

JB#1



Tablero 450 x 600 x 210
Ristal

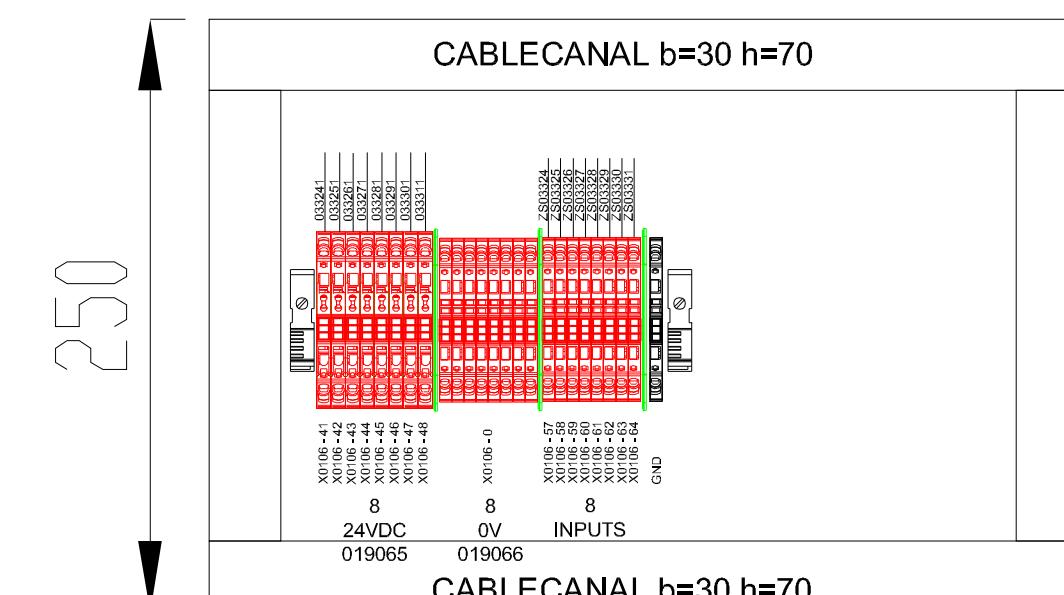
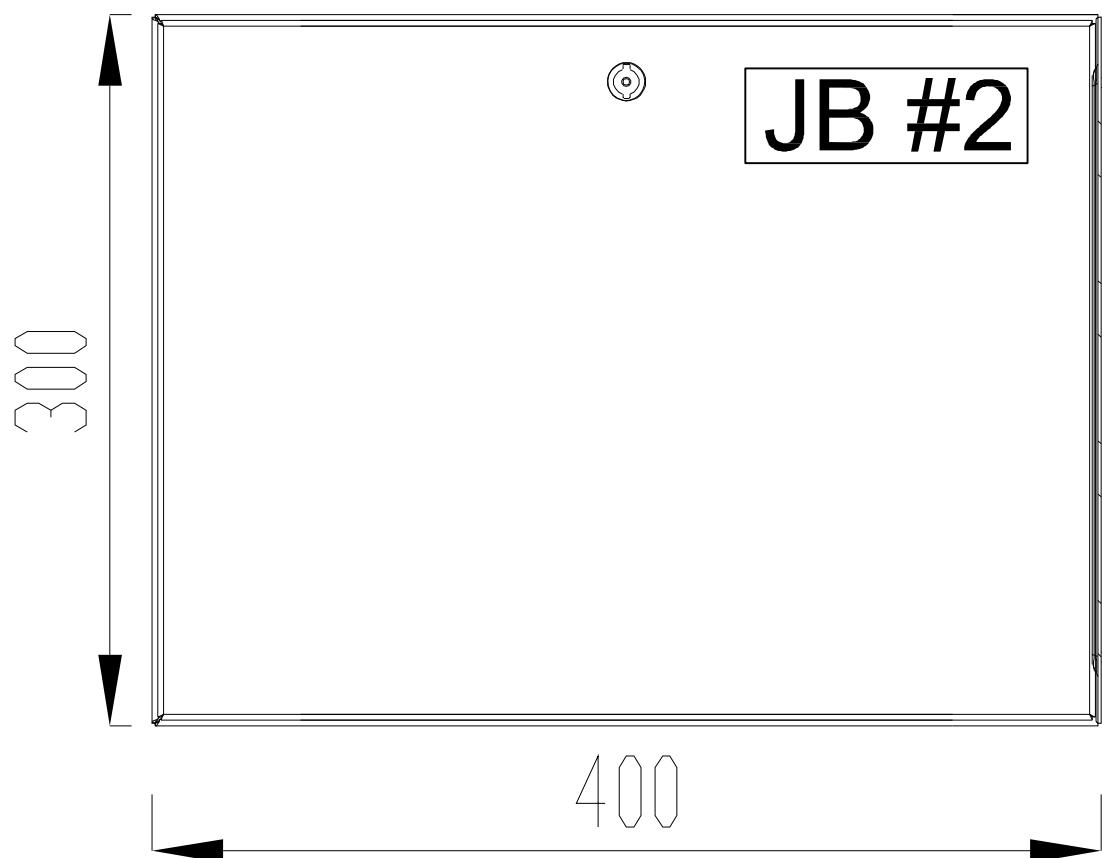
Tablero	Multipar	Nº Hilo	Nº Cable	Tags Bornera	Componente	Descripción
CC8	JB#1	2	019063		24VDC - Rack 1 / Slot 5	Alimentación
		3	019064		0VDC - Rack 1 / Slot 5	
		4	ZS03200	X0105 - 17	ZS03200	Sensor Óptico
		5	ZS03201	X0105 - 18	ZS03201	Sensor Óptico
		6	ZS03202	X0105 - 19	ZS03202	Sensor Óptico
		7	ZS03203	X0105 - 20	ZS03203	Sensor Óptico
		8	ZS03204	X0105 - 21	ZS03204	Sensor Óptico
		9	ZS03205	X0105 - 22	ZS03205	Sensor Óptico
		10	ZS03206	X0105 - 23	ZS03206	Sensor Óptico
		11	ZS03207	X0105 - 24	ZS03207	Sensor Óptico
		12	ZS03208	X0105 - 25	ZS03208	Sensor Óptico
		2	ZS03209	X0105 - 26	ZS03209	Sensor Óptico
CC9	JB#1	3	ZS03210	X0105 - 27	ZS03210	Sensor Óptico
		4	ZS03211	X0105 - 28	ZS03211	Sensor Óptico
		5	ZS03212	X0105 - 29	ZS03212	Sensor Óptico
		6	ZS03213	X0105 - 30	ZS03213	Sensor Óptico
		7	ZS03214	X0105 - 31	ZS03214	Sensor Óptico
		8	ZS03215	X0105 - 32	ZS03215	Sensor Óptico
		9	ZS03216	X0105 - 39	ZS03216	Sensor Óptico
		10	-	NO SE CABLEA	RESERVA	
		11	-	NO SE CABLEA	RESERVA	
		12	-	NO SE CABLEA	RESERVA	
		2	019065		24VDC - Rack 1 / Slot 6	Alimentación
		3	019066		0VDC - Rack 1 / Slot 6	
CC10	JB#1	4	ZS03306	X0106 - 23	ZS03306	Sensor Inductivo
		5	ZS03307	X0106 - 24	ZS03307	Sensor Inductivo
		6	SX03316	X0106 - 49	SX03316	Sensor Óptico
		7	-	NO SE CABLEA	RESERVA	
		8	-	NO SE CABLEA	RESERVA	
		9	-	NO SE CABLEA	RESERVA	
		10	-	NO SE CABLEA	RESERVA	
		11	-	NO SE CABLEA	RESERVA	
		12	-	NO SE CABLEA	RESERVA	

PROJECT	5	5	PROJECT	5	PROJECT
4	4	4	4	4	4
3	3	3	3	3	3
2	2	2	2	2	2
1	1	1	1	1	1
REV. CLIENTE	REV. INT. P&F				
P&F					
13	14	15	16	17	18
1	2	3	4	5	6
7	8	9	10	11	12
A	B	C	D	E	F
G	H	I	J	K	L
M	N	O	P	Q	R
1	2	3	4	5	6
7	8	9	10	11	12
A	B	C	D	E	F
G	H	I	J	K	L
M	N	O	P	Q	R

PROJECT SIDERCRON EMBALAJE
DRAWING NO. 099 SHEET 099/131
REVISION BY DATE 09/09/2015
CHECKED BY DATE 09/09/2015
DETAILED BY DATE 09/09/2015
SAFETY BY DATE 09/09/2015
D.F. BY DATE 09/09/2015
SOLVED BY DATE 09/09/2015
TOPOGRAFICO TABLERO DISTRIBUCION JB #1
P&F PLANT: SIDERCRON
LOCATION/ACTIVITY: 09/14/2015

TABLERO DE DISTRIBUCION I/O

JB#2



Tablero	Multipar	Nº Hilo	Nº Cable	Tags Bornera	Componente	Descripción
JB#2	CC11	1	O19065			24VDC – Rack 1 / Slot 6
		2	O19066			0VDC – Rack 1 / Slot 6
		3	ZS03324	X0106 – 57	ZS03324	Sensor Cilindro
		4	ZS03325	X0106 – 58	ZS03325	Sensor Cilindro
		5	ZS03327	X0106 – 60	ZS03327	Sensor Optico
		6	ZS03328	X0106 – 61	ZS03328	Sensor Optico
		7	ZS03329	X0106 – 62	ZS03329	Sensor Optico
		8	ZS03330	X0106 – 63	ZS03330	Sensor Optico
		9	ZS03331	X0106 – 64	ZS03331	Sensor Cilindro
		10	ZS03326	X0106 – 59	ZS03326	Sensor Optico
		11	–	NO SE CABLEA	RESERVA	
		12	GND			

Tablero 300 x 400 x 210
Forli 0464

5	5	PROJECT SIDERCROM EMBALAJE
4	4	DRAWING NO.
3	3	100
2	2	100 / 131
1	1	REVISION BY
		DETAILED BY
		FIELD
REV. CLIENTE	REV. INT. P&F	TOPOGRAFICO
LH	E6	TABLERO DISTRIBUCION
D.F.	SAFETY REC.	JB #2
P&F	Av. Belgrano 2272 (C111V)D Don Torcuato Buenos Aires Argentina	PLANT: SIDERCROM
		LOCATION/ACTIVITY
		19/14/215

TABLERO DE DISTRIBUCION I/O

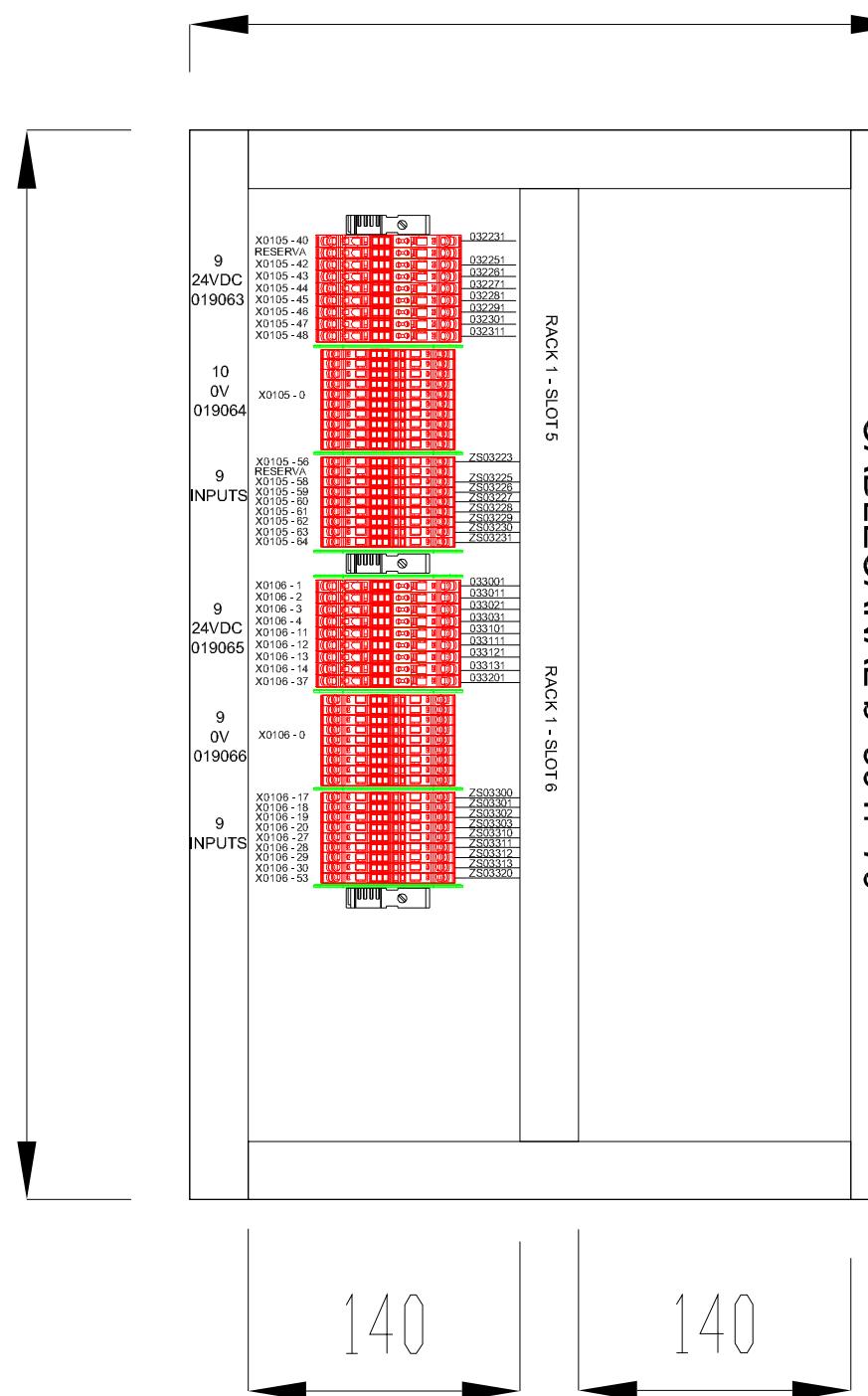
JB#3

450

37



Tablero 450 x 600 x 210 Ristal



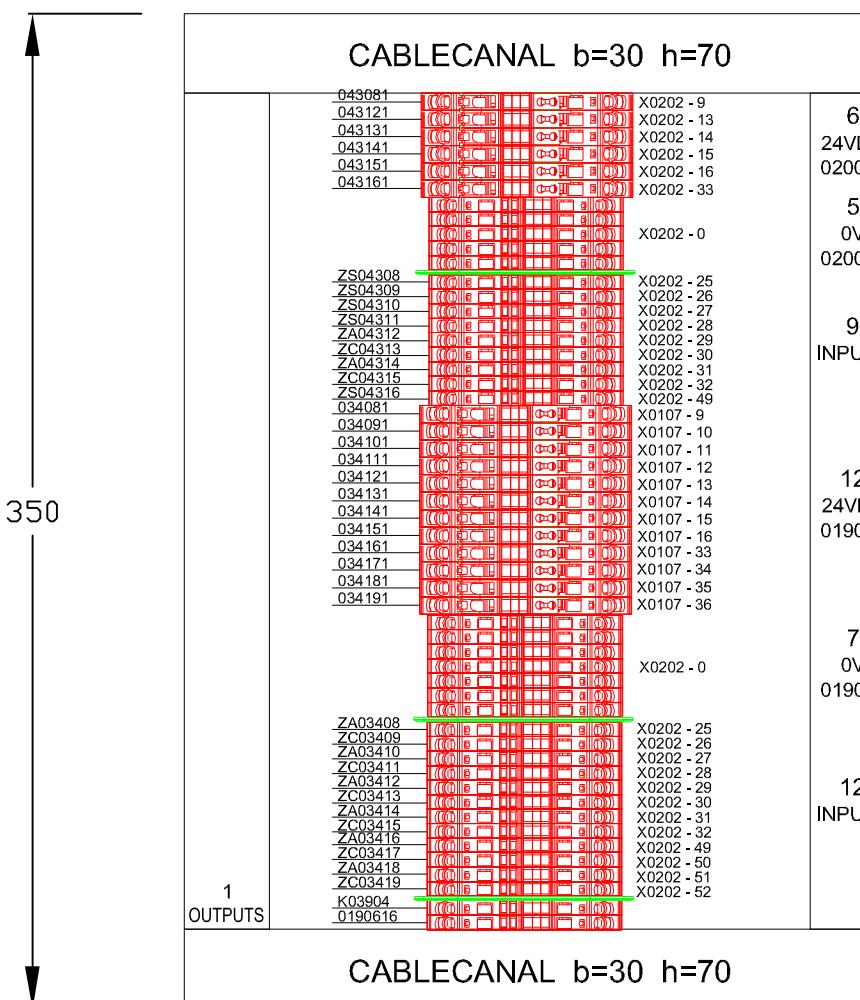
Tablero	Multipar	Nº Hilo	Nº Cable	Tags Bornera	Componente	Descripcion
JB#3	CC12	1	019063			24VDC – Rack 1 / Slot 5
		2	019064			OVDC – Rack 1 / Slot 5
		3	ZS03223	X0105 – 56	ZS03223	Sensor Optico
		4	-			
		5	ZS03225	X0105 – 58	ZS03225	Sensor Optico
		6	ZS03226	X0105 – 59	ZS03226	Sensor Optico
		7	ZS03227	X0105 – 60	ZS03227	Sensor Optico
		8	ZS03228	X0105 – 61	ZS03228	Sensor Optico
		9	ZS03229	X0105 – 62	ZS03229	Sensor Optico
		10	ZS03230	X0105 – 63	ZS03230	Sensor Optico
		11	ZS03231	X0105 – 64	ZS03231	Sensor Optico
	CC13	1	ZS03313	X0106 – 30	ZS03313	Sensor Inductivo
		2	019065			24VDC – Rack 1 / Slot 6
		3	019066			OVDC – Rack 1 / Slot 6
		4	ZS03300	X0106 – 17	ZS03300	Sensor Optico
		5	ZS03301	X0106 – 18	ZS03301	Sensor Optico
		6	ZS03302	X0106 – 19	ZS03302	Sensor Optico
		7	ZS03303	X0106 – 20	ZS03303	Sensor Optico
		8	ZS03310	X0106 – 11	ZS03310	Sensor Inductivo
		9	ZS03311	X0106 – 12	ZS03311	Sensor Inductivo
		10	ZS03312	X0106 – 13	ZS03312	Sensor Inductivo
		11	ZS03320	X0106 – 37	ZS03320	Sensor Inductivo

5	5	PROJECT SIDERCROM EMBALAJE	SHEET 101	SHEET 13
4	4	DRAWING NO.		
3	3	101		
2	2	ISSUED BY / RELEASED BY / TITLE		
1	1	LH. E6	TOPOGRAFICO TABLERO DISTRIBUCION JB #3	
REV. CLIENTE		REV. INT. P&F		
 P&F S.A.		Av. Belgrano 2272 (B1611VJD) Don Torcuato Buenos Aires Argentina	DRAWN BY / SAFETY BY D.F.	
		DATE	SCALE	DIVISION PLANT SIDERCROM
		20/12/15		

TABLERO DE DISTRIBUCION I/O

JB#4

25



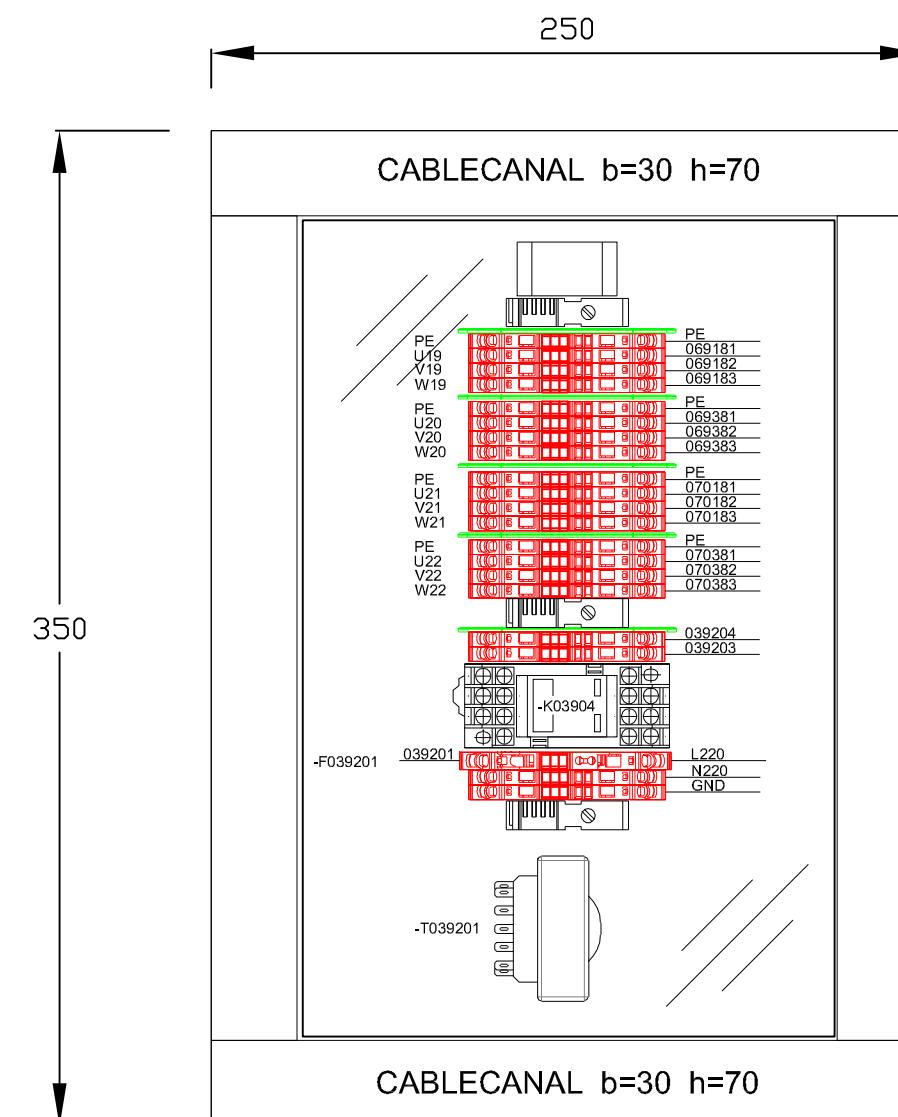
Tablero	Multipar	Nº Hilo	Tags Bornera PF	Componente	Bornera Inputs	Descripcion
JB#4	CC14	1	X0202 - 33	ZS04316	X0202 - 49	Sensor Inductivo
		2	Nº cable 020063			24VDC - Rack 2 / Slot 2
		3	Nº cable 020064			OVDC - Rack 2 / Slot 2
		4	X0202 - 9	ZS04308	X0202 - 25	Sensor Inductivo
		5	X0202 - 10	ZS04309	X0202 - 26	Sensor Inductivo
		6	X0202 - 11	ZS04310	X0202 - 27	Sensor Inductivo
		7	X0202 - 12	ZS04311	X0202 - 28	Sensor
		8	X0202 - 13	ZS04312	X0202 - 29	Sensor Magnetico
		9	X0202 - 14	ZC04313	X0202 - 30	Sensor Magnetico
		10	X0202 - 15	ZS04314	X0202 - 31	Sensor Magnetico
		11	X0202 - 16	ZC04315	X0202 - 32	Sensor Magnetico
		12	Reserva			
JB#4	CC15	1		K03904		Rele Corte de Film
		2		0190616		OVDC
		3	Reserva			
		4	Nº cable 019067			24VDC - Rack 1 / Slot 7
		5	Nº cable 019068			OVDC - Rack 1 / Slot 7
		6	X0107 - 9	ZA03408	X0107 - 25	Limit Switch
		7	X0107 - 10	ZC03409	X0107 - 26	Sensor Cilindro
		8	X0107 - 11	ZA03410	X0107 - 27	Limit Switch
		9	X0107 - 12	ZC03411	X0107 - 28	Sensor Cilindro
		10	X0107 - 13	ZA03412	X0107 - 29	Sensor Inductivo
		11	X0107 - 14	ZC03413	X0107 - 30	Sensor Cilindro
JB#4	CC16	1	X0107 - 15	ZA03414	X0107 - 31	Sensor Inductivo
		2	X0107 - 16	ZC03415	X0107 - 32	Sensor Cilindro
		3	X0107 - 33	ZA03416	X0107 - 49	Sensor Inductivo
		4	X0107 - 34	ZC03417	X0107 - 50	Sensor Cilindro
		5	X0107 - 35	ZA03418	X0107 - 51	Sensor Inductivo
		6	X0107 - 36	ZC03419	X0107 - 52	Sensor Cilindro
		7	Reserva			
		8	Reserva			
		9	Reserva			
		10	Reserva			
		11	Reserva			

Tablero 300x400x160 Forli 0410

5	5	PROJECT SIDERCROM EMBALAJE	
4	4	DRAWING NO.	
3	3		
2	2	102	SHEET 102 SHEETS 131
1	1	DESIGNER BY: L.H. REVIEWED BY: E.G.	TOPOGRAFICO TABLERO DISTRIBUCION JB #4
REV. CLIENTE		REV. INT. P&F	
 Av. Belgrano 2272 (B1610VWD) Don Torcuato Buenos Aires Argentina			
		DATE:	RELEASER:
		MAY/1995	PLANT: SIDERCROM

TABLERO DE DISTRIBUCION I/O

JB#5



Tablero	TPR 3x2,5	Nº Hilo	Componente
JB#5	M015171	PE 069181 069182 069183	-M015171
	M015172	PE 069381 069382 069383	-M015172
	M015173	PE 070181 070182 070183	-M015173
	M015174	PE 070381 070382 070383	-M015174

Tablero	TPR 4X2,5	COLOR	Nº Hilo
JB#5	CC68	Marron	L220
		Celeste	N220
		Negro	-
		V/A	-

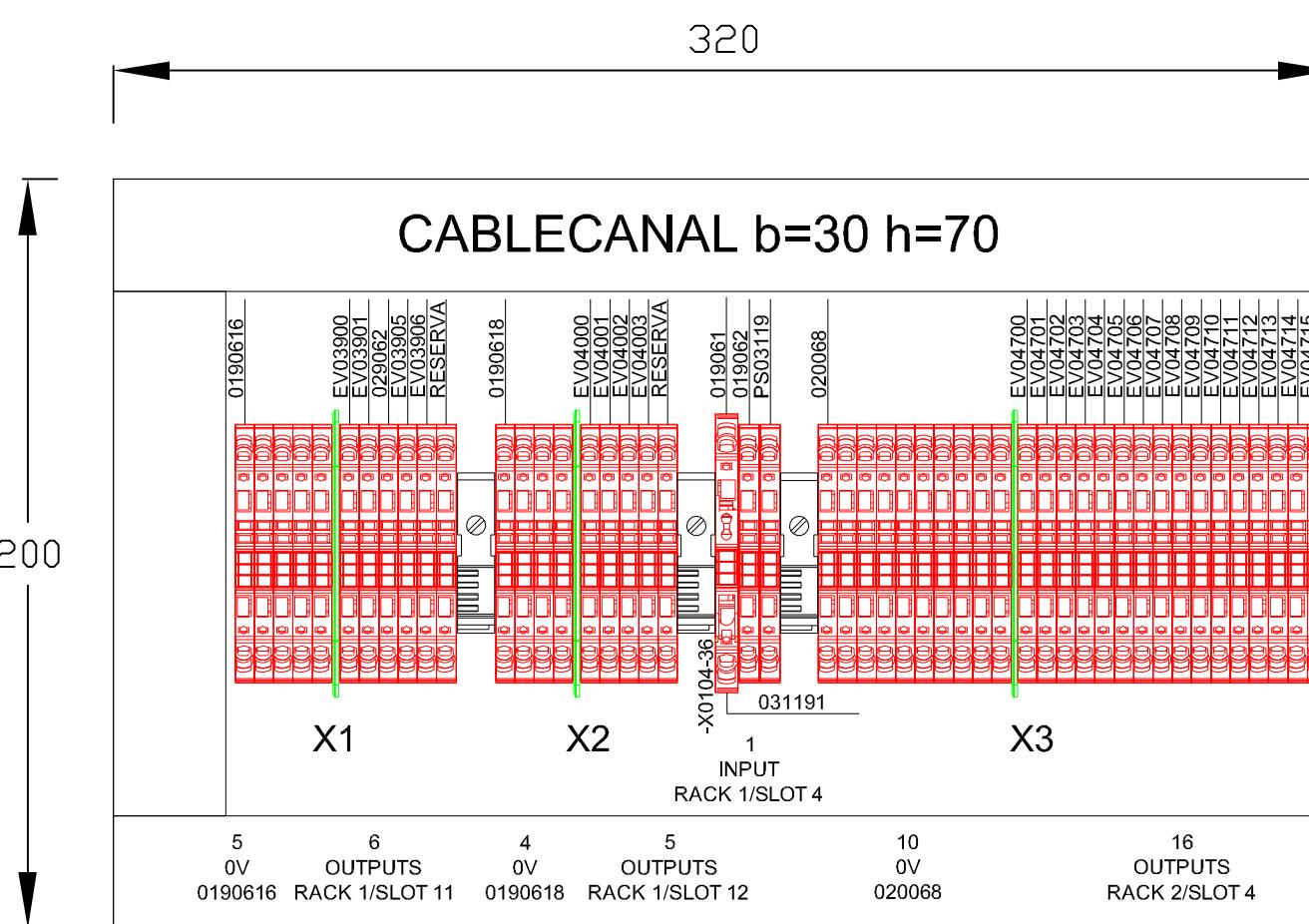
Tablero	4X0.35	COLOR	Nº Hilo
JB#5	CC67	Blanco	0190616
		Verde	K03904
		Marron	-
		Amarillo	-

Tablero 300x400x160
Forli 0410

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PROJECT SIDERCROM EMBALAJE DRAWING NO. 103 103 / 31															
DESIGNER BY DETAILED BY 1 1 REV. CLIENTE REV. INT. P&F P&F Av. Belgrano 2272 (B1011VVD) Buenos Aires Argentina															
TOPOGRAFICO TABLERO DISTRIBUCION JB #5															
CHECKED BY SAFETY BY D.F. DATE: SCALE: 07/14/215 PLANT: SIDERCROM LOCATION/ACTIVITY:															

TABLERO DE NEUMATICA

JB#6



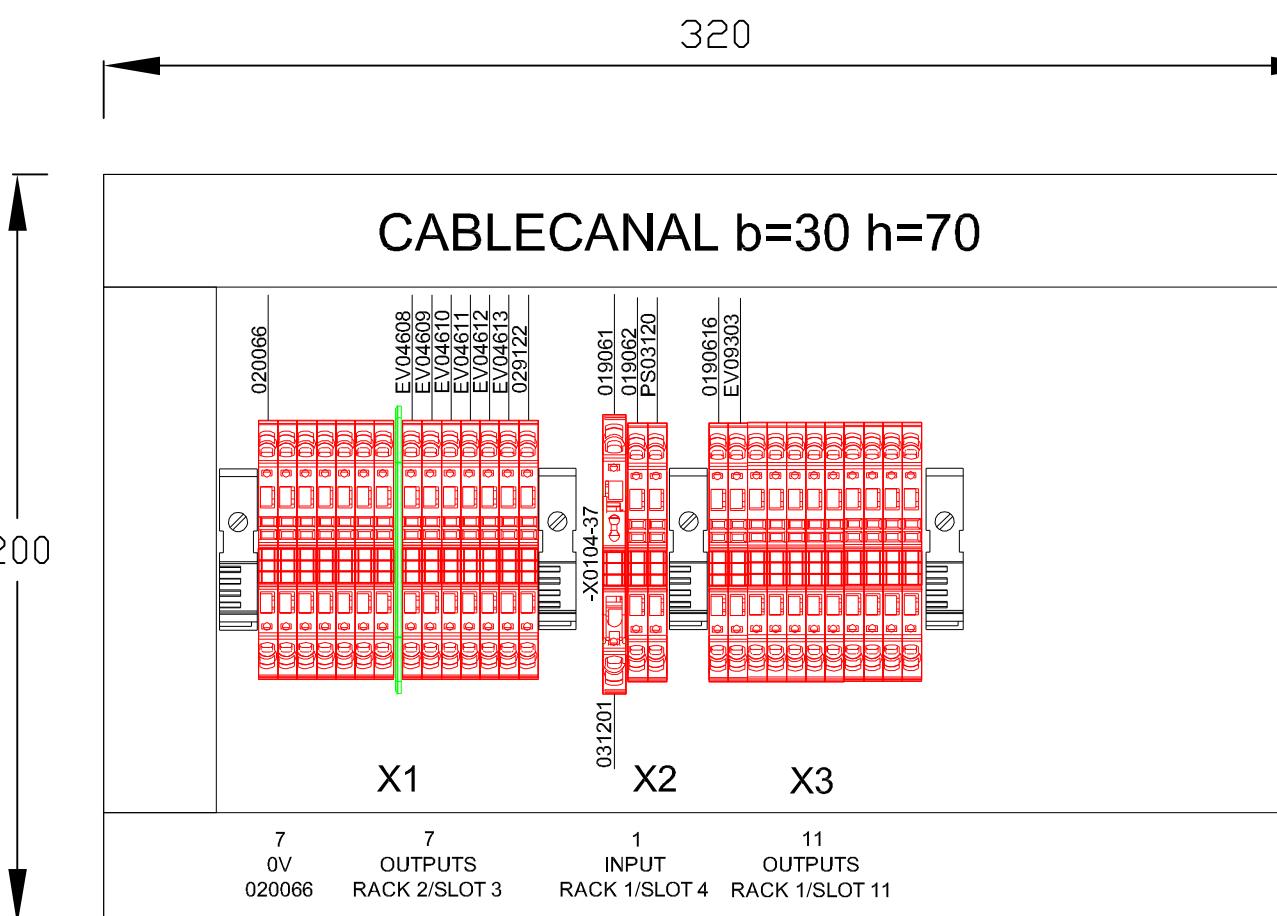
Tablero 300x400x160 Forli 0410

Tablero	Multipar	Nº Hilo	Nº Cable	Tags	Bornera	Descripcion
JB#6	CC17	1	0190616	X1	OVDC – Rack 1 / Slot 11	
		2	EV03900		Electrovalvula	
		3	EV03901		Electrovalvula	
		4	029062		Valvula Seguridad	
		5	EV03905		Electrovalvula	
		6	EV03906		Electrovalvula	
		7	RESERVA		–	
		8	0190618	X2	OVDC – Rack 1 / Slot 12	
		9	EV04000		Electrovalvula	
		10	EV04001		Electrovalvula	
		11	EV04002		Electrovalvula	
	CC18	1	EV04003		Electrovalvula	
		2	RESERVA		–	
		3	019061	X4	24VDC – Rack 1 / Slot 4	
		4	019062		OVDC – Rack 1 / Slot 4	
		5	PS03119		Presostato	
		6	020068		OVDC – Rack 2 / Slot 4	
		7	EV04700		Electrovalvula	
		8	EV04701		Electrovalvula	
		9	EV04702		Electrovalvula	
		10	EV04703		Electrovalvula	
		11	EV04704		Electrovalvula	
	CC19	1	EV04705	X3	Electrovalvula	
		2	EV04706		Electrovalvula	
		3	EV04707		Electrovalvula	
		4	EV04708		Electrovalvula	
		5	EV04709		Electrovalvula	
		6	EV04710		Electrovalvula	
		7	EV04711		Electrovalvula	
		8	EV04712		Electrovalvula	
		9	EV04713		Electrovalvula	
		10	EV04714		Electrovalvula	
		11	EV04715		Electrovalvula	

5	5	PROJECT SIDERCROM EMBALAJE		
4	4	DRAWING NO.		
3	3		SHEET 104 OF 131	
2	2	104		
1	1	DESIGNED BY: LH DETAILED BY: E6		
REV. CLIENTE		REV. INT. P&F		
 P&F S.A.		Av. Belgrano 2272 (B1610BV)D Don Torcuato Buenos Aires Argentina		
		DATE: 20/10/15	SCALE: 1:1	DIVISION: TOPOGRAFICO
				PLANT: SIDERCROM

TABLERO DE NEUMATICA

JB#7



Tablero	Multipar	Nº Hilo	Nº Cable	Tags	Bornera	Señal	Descripción
JB#7	CC20	1	020066	X1			0VDC – Rack 2 / Slot 3
		2	EV04608				Electrovalvula
		3	EV04609				Electrovalvula
		4	EV04610				Electrovalvula
		5	EV04611				Electrovalvula
		6	EV04612				Electrovalvula
		7	EV04613				Electrovalvula
		8	029122				Valvula Seguridad
	CC79	9	019061	X2			24VDC – Rack 1 / Slot 4
		10	019062				0VDC – Rack 1 / Slot 4
		11	PS03120				Presostato
JB#7	CC79	1	0190616	X3			0VDC – Rack 1 / Slot 11
		2	EV03903				Electrovalvula
		3	—				Reserva
		4	—				Reserva
		5	—				Reserva
		6	—				Reserva
		7	—				Reserva
		8	—				Reserva
		9	—				Reserva
		10	—				Reserva
		11	—				Reserva

Tablero 300x400x160

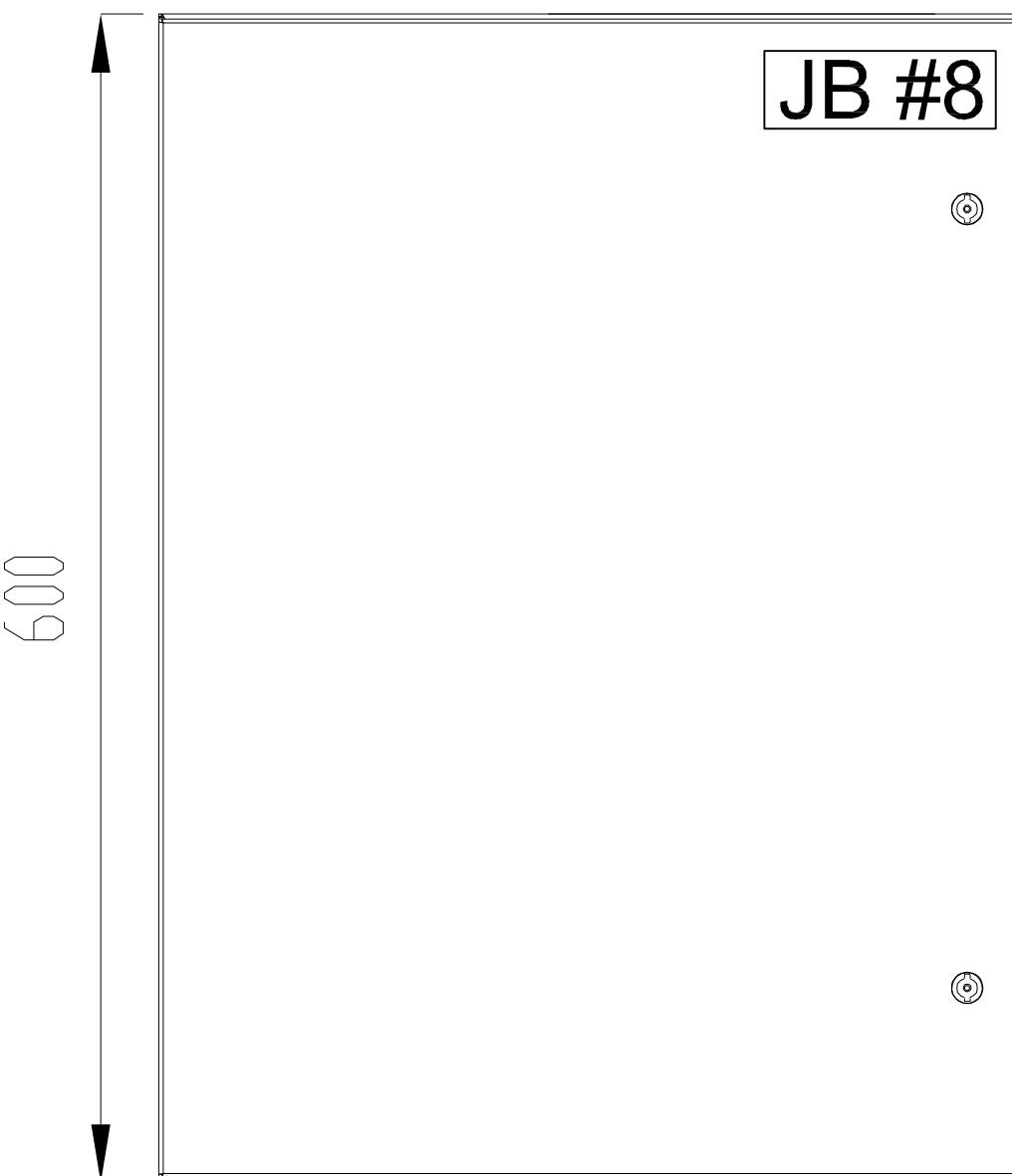
Forli 0410

TABLERO DE DISTRIBUCION I/O

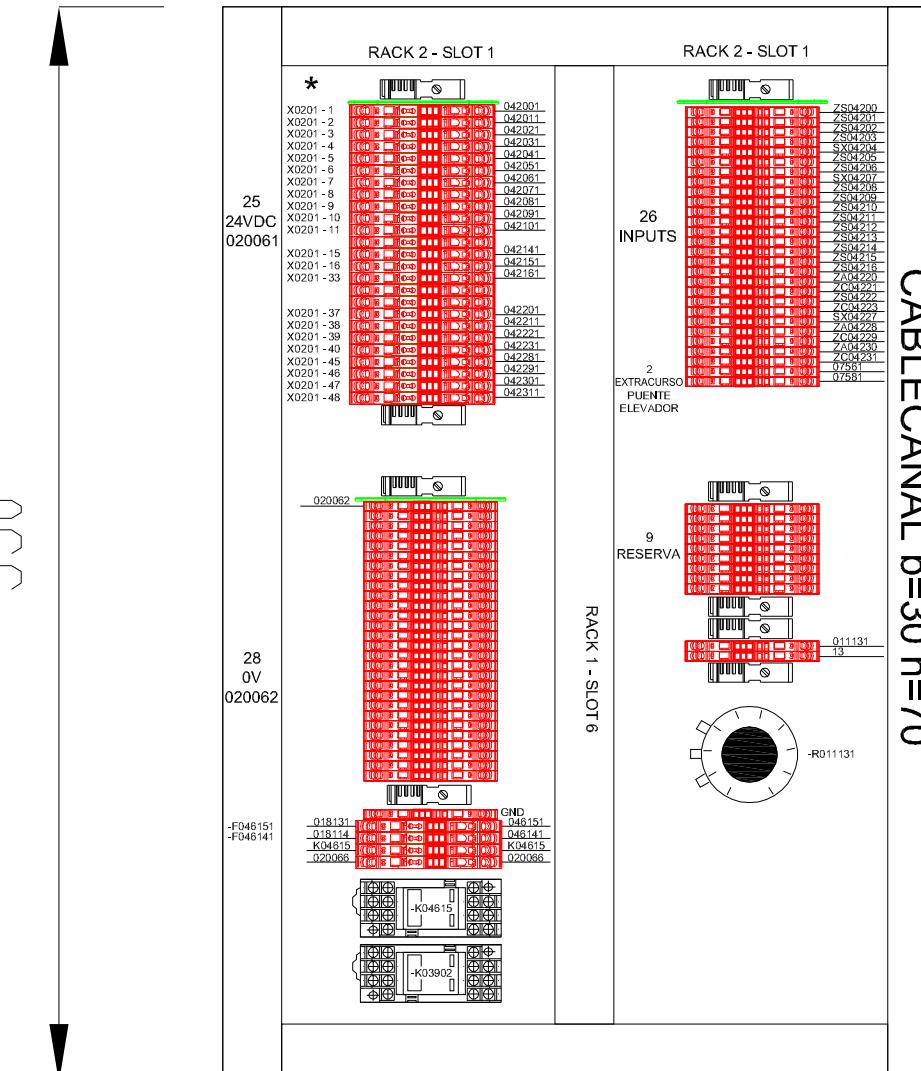
JB#8

450

37



Tablero 450 x 600 x 210 Ristal



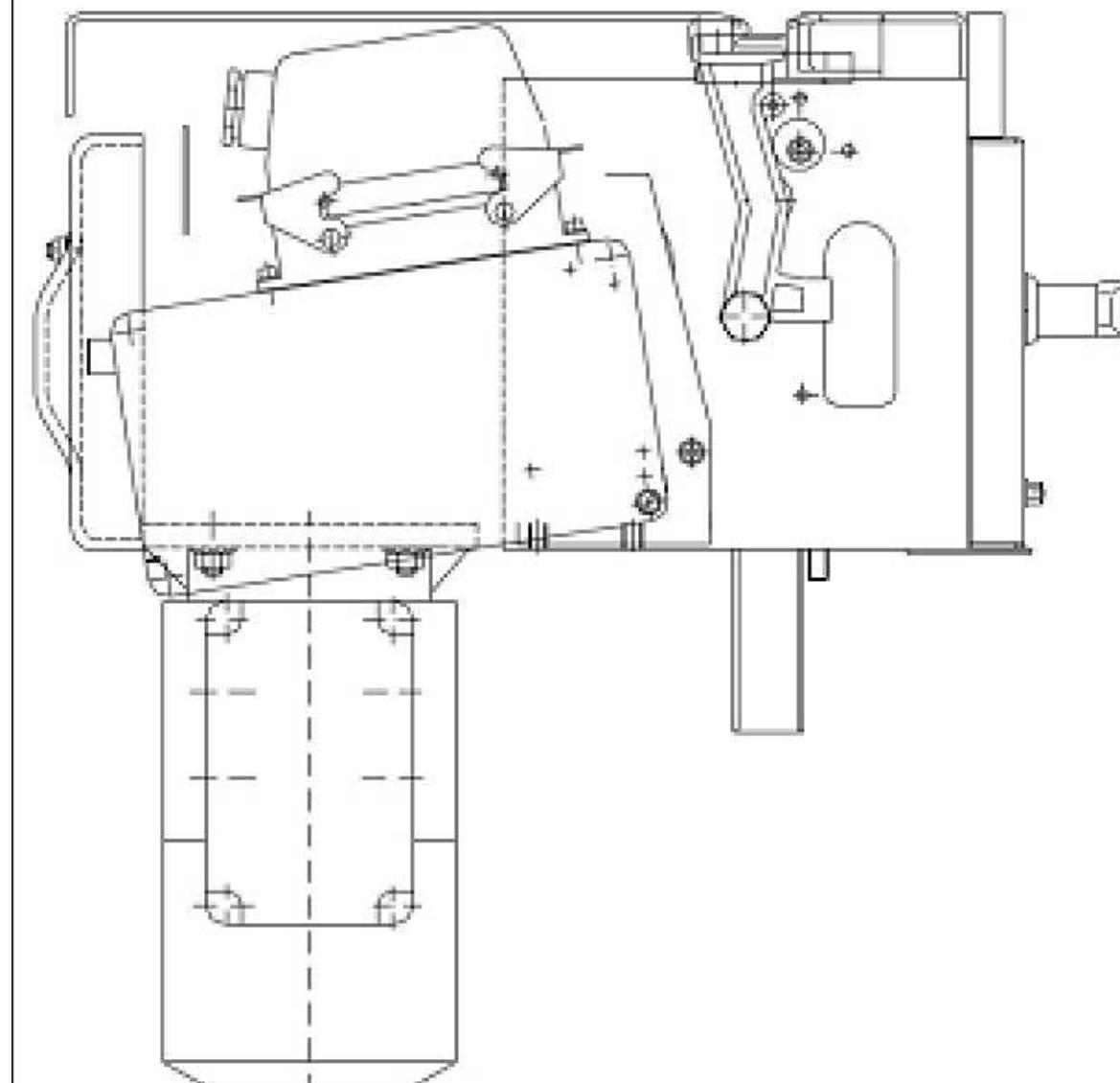
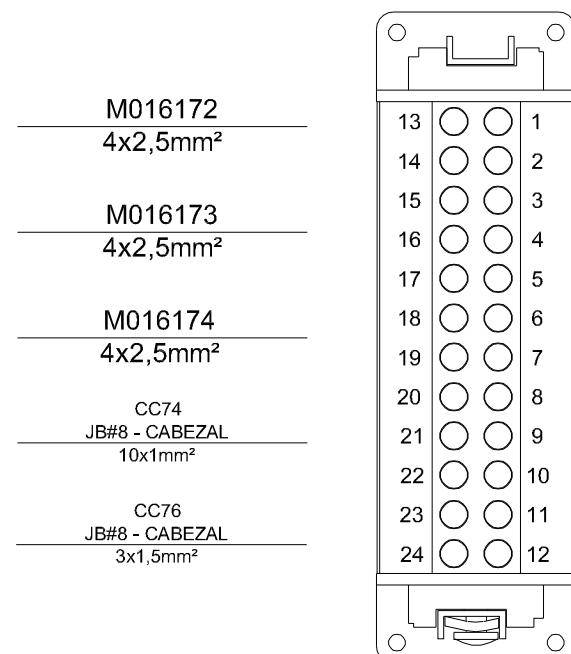
Tablero	Multipar	Nº Hilo	Nº Cable	Componente	Descripción
JB#8	CC21	1	018113		24VDC Seguridad
		2	018114		0V Seguridad
		3	K04615		Relé
		4	020066		0V
		5	0190619		0V
		6	K03902		Relé
		7	K07561		Limit Switch Extracurso
		8	K07581		Limit Switch Extracurso
		9	SX04226		Limit Switch Parada Precisa
	CC22	1	020061	24VDC - Rack 2 / Slot 1	
		2	020062	OVDC - Rack 2 / Slot 1	
		3	ZS04200	Sensor Inductivo	
		4	ZS04201	Sensor Inductivo	
		5	ZS04202	Sensor Inductivo	
		6	ZS04203	Sensor Inductivo	
		7	ZS04204	Limit Switch	
		8	ZS04205	Sensor Inductivo	
		9	ZS04206	Sensor Inductivo	
	CC23	1	ZS04208	Sensor Láser	
		2	ZS04209	Sensor Láser	
		3	ZS04210	Sensor Inductivo (Cabezal)	
		4	ZS04211	Sensor Inductivo (Cabezal)	
		5	ZS04212	Sensor Inductivo (Cabezal)	
		6	ZS04213	Sensor Inductivo (Cabezal)	
		7	ZS04214	Sensor Inductivo	
		8	ZS04215	Sensor Inductivo	
		9	ZA04220	Sensor Inductivo	
	CC24	1	ZC04221	Sensor Inductivo	
		2	ZS04222	Sensor Óptico	
		3	ZC04223	Sensor Cilindro	
		4	ZS04216	Sensor Inductivo	
		5	SX04227	Serie Termistores	
		6	ZA04228	Limit Switch	
		7	ZC04229	Sensor Cilindro	
		8	ZA04230	Limit Switch	
		9	ZC04231	Sensor Cilindro	
	CC78	1	—		
		2	—		
		3	—		
		4	—		
		5	—		RESERVA
		6	—		
		7	—		
		8	—		
		9	—		

*En bornera portafusible
Fusibles de 0.25A

5	5	PROJECT SIDERCROM EMBALAJE		
4	4	DRAWING NO.	106	SHEET NO. 106 / 131
3	3	DESIGNED BY	TITLE	
2	2	LH	TOPOGRAFICO	
1	1	E6	TABLERO DISTRIBUCION	
REV. CLIENTE		REV. INT. P&F		
 P&F		Av. Belgrano 2272 (B1610)DVD Don Torcuato Buenos Aires Argentina		
JOB:		DATE:	SCALE:	DIVISION:
		21/12/15	1:50	PLANO: SIDERCROM
		LOCATION/ACTIVITY:		

CABEZAL SUNCHADOR TITAN K120-19M

PINOUT FICHA			
XSB	TENSION	N° DE CABLE	DESCRIPCION
1	380V	016121	Motor Enrollador Fleje de Plastico M16172
2		016122	
3		016123	
4	380V	016124	Motor Tensionador Fleje M16173
5		016125	
6		016126	
7	380V	016127	Motor Arbol de Levas M16174
8		016128	
9		016129	
10	24VDC	10	Freno Motor Arbol de Levas
11	OV	11	
12	24VAC	12	
13	OV	13	Reostato
14	Señal	SX04227	Serie Termistores – Puerta
15		ZS04210	Sensor Inductivo – ZS04210 (B81)
16		ZS04213	Sensor Inductivo – ZS04213 (B84)
17		ZS04211	Sensor Inductivo – ZS04211 (B82)
18		ZS04212	Sensor Inductivo – ZS04212 (B83)
19			
20			
21			
22			
23	24VDC	042101	Alimentación Sensores
24		020062	



PINOUT MULTIPAR			
ID MULTIPAR	N° HILO	N° CABLE	DESCRIPCION
CC74 JB#8-CABEZAL	1	ZS04210	Sensor Inductivo – ZS04210 (B81)
	2	ZS04213	Sensor Inductivo – ZS04213 (B84)
	3	ZS04211	Sensor Inductivo – ZS04211 (B82)
	4	ZS04212	Sensor Inductivo – ZS04212 (B83)
	5	042101	24VDC – Alimentación Sensores
	6	020062	OV – Alimentación Sensores
	7	10	Freno Motor Arbol de Levas
	8	11	
	9	SX04227	Serie Termistores – Puerta
	10	GND	Puesta a Tierra

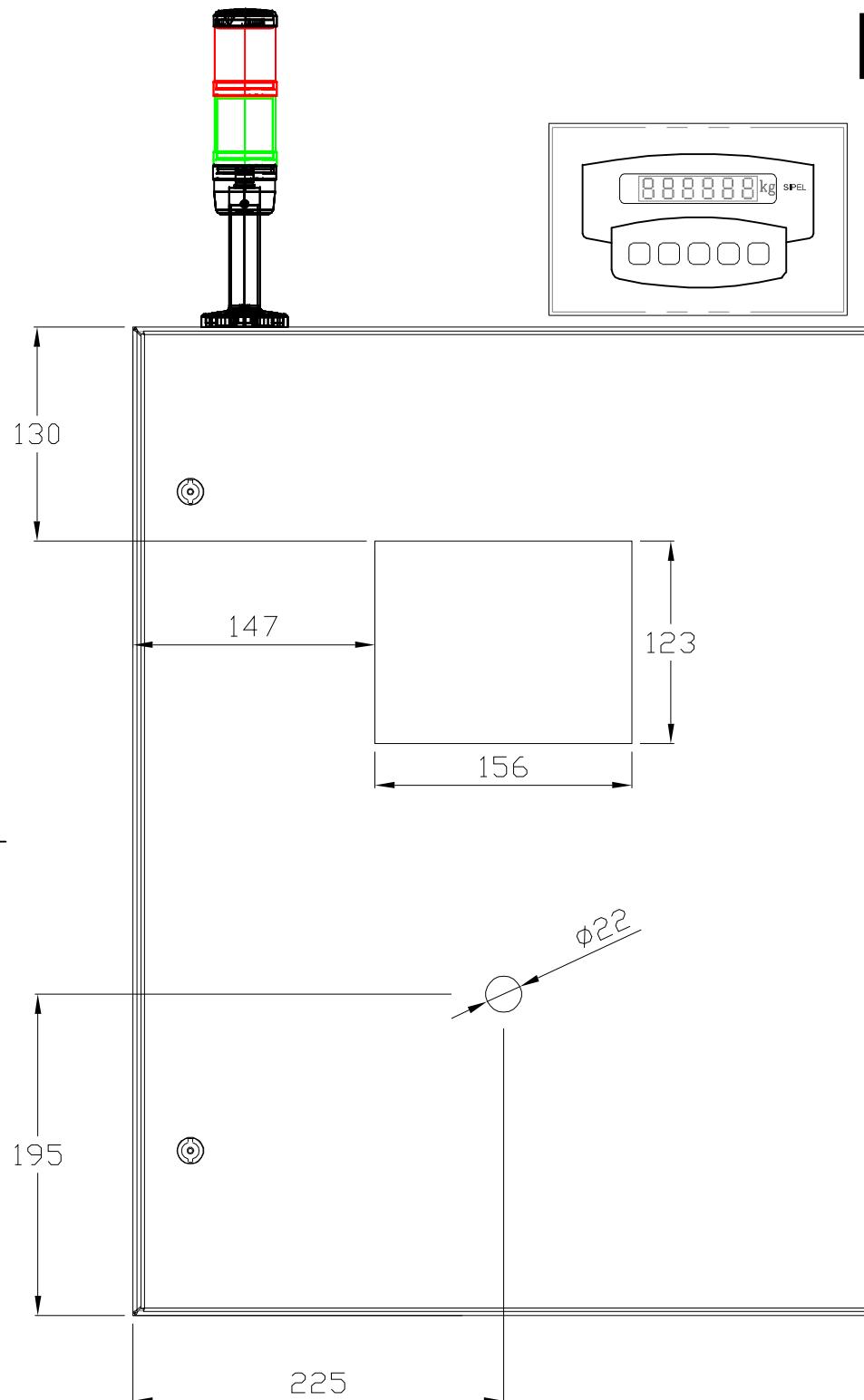
PINOUT MULTIPAR			
ID MULTIPAR	HILO	N° CABLE	DESCRIPCION
CC76 JB#8-CABEZAL	MARRON	12	Calentador de fleje
	CELESTE	13	
	V/A	–	–

5	5	PROJECT	
4	4	DRAWING NO.	
3	3	107	
2	2	SHEETS 107 / 131	
1	1	REVISOR BY	DETALLADO BY
REV. CLIENTE		REV. INT. P&F	TIPO
P&F		LK	E6
		D.F.	SAFETY NO.
		SAFED	CODED
		3/14/215	107
		DIVISION: PLANT: SIDERCROM	
		LOCATION/ACTIVITY:	
CABEZAL SUNCHADOR TITAN K120-19M			

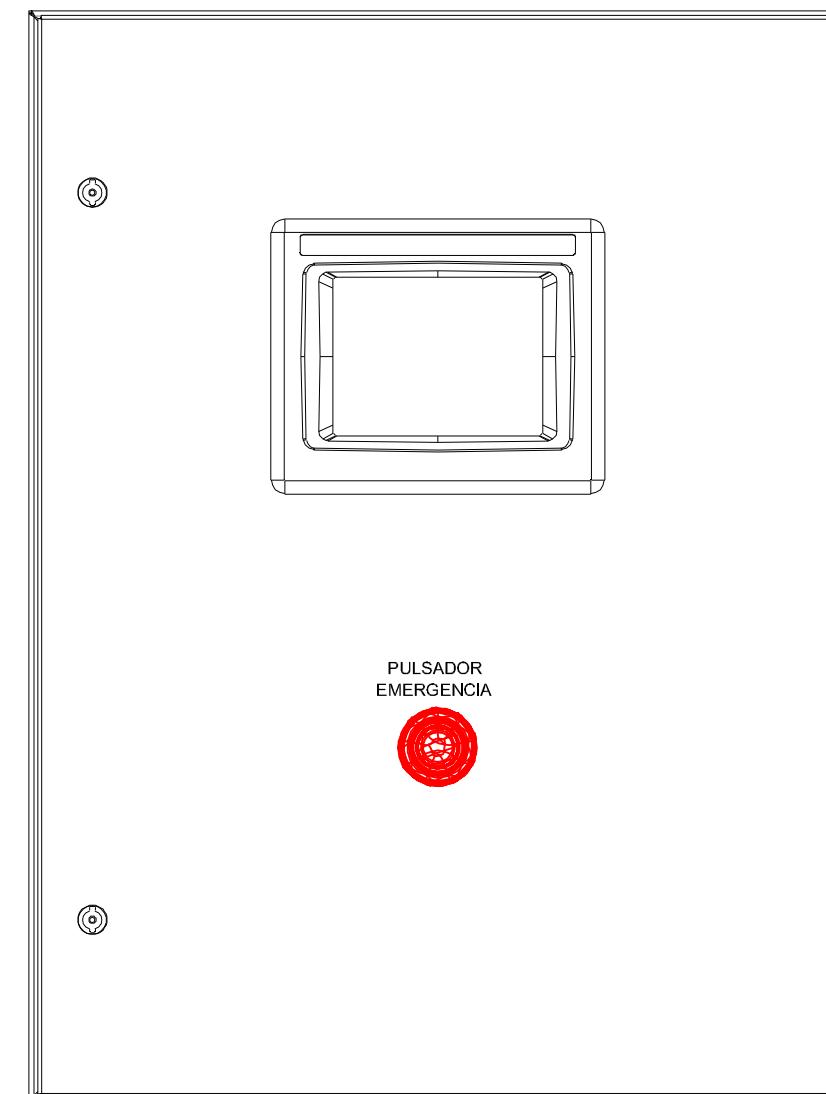
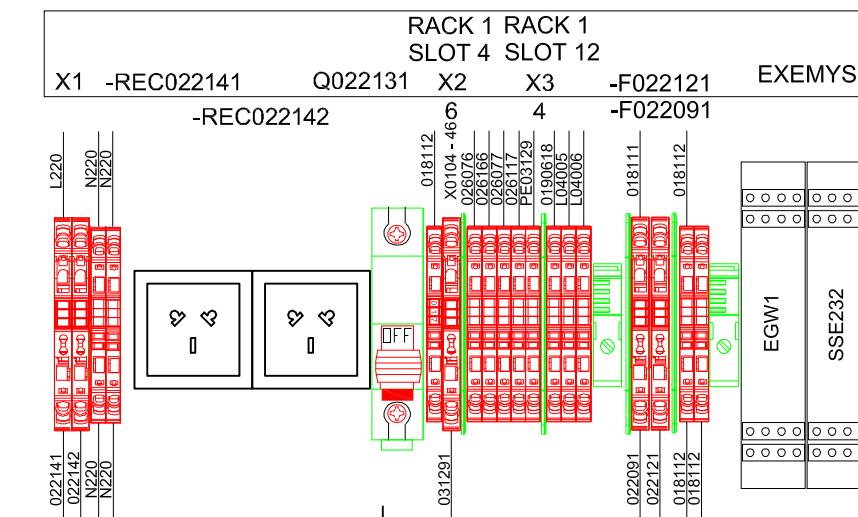
PanelView #1 - Estación 1

Tablero 450 x 600 x 210

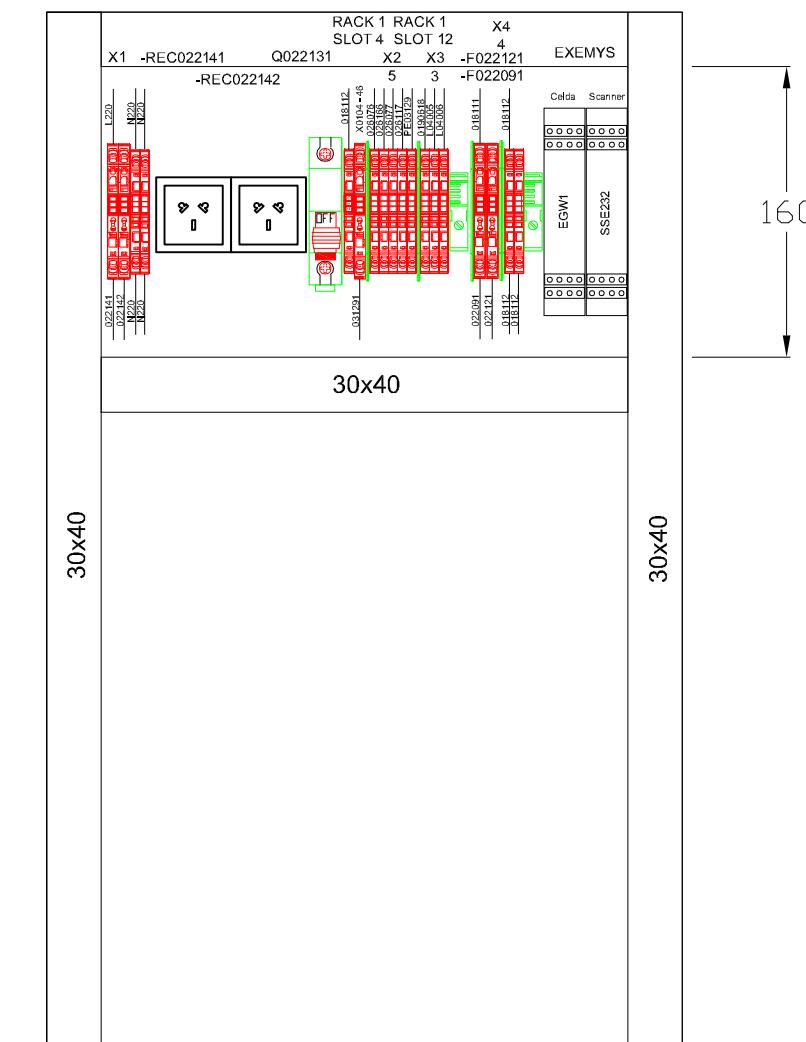
Ristal



DETALLI A



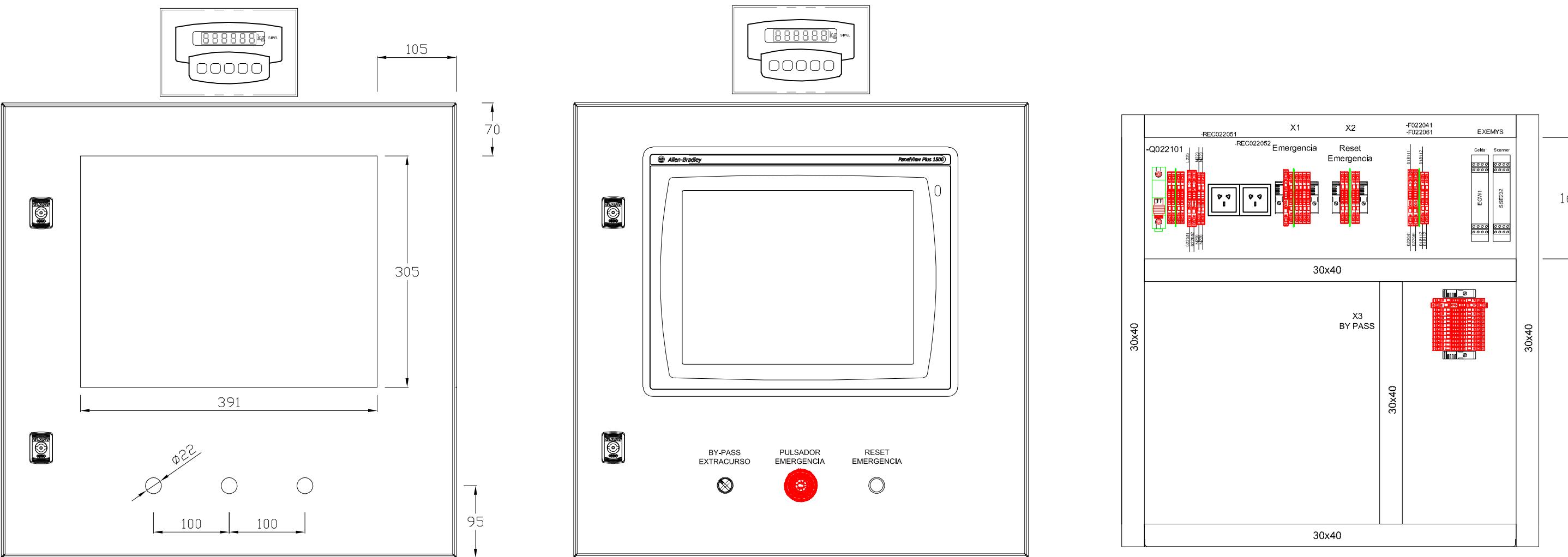
DETALLE
A



Tablero	Multipor	Nº Hilo	Nº Cable	Tags Bornera	Componente	Descripción
PV#1	CC34	2	019061	X0104 - 46	24VDC - Rock 1 / Slot 4	
		3	026077	X2		IN - Pulsador de Emerg. PV1
		4	026117			IN - Pulsador de Emerg. PV1
		5	026076			OUT - Pulsador de Emerg. PV1
		6	026116			OUT - Pulsador de Emerg. PV1
		7	PE03129		PE03129	Pulsador de Emergencia PV1
		8	0190618		0V - Rock 1 / Slot 12	
	CC50	9	L04005	X3	L04005	Baliza Verde
		10	L04006		L04006	Baliza Roja
		11	018111		24VDC - PV #1	
		12	018112		0V - PV #1	
		MARRON	L220		220VAC - LECTOR	
	CELESTE	N220			OVAC - LECTOR	
	NEGRO	—			—	
	A/V	—			—	

5	5	PROJECT SIDERCROM EMBALAJE	SHEET 108	SHEET 13
4	4	DRAWING NO. 108		
3	3	REISSUE BY LH	DETAILED BY EG	TITLE TOPOGRAFICO
2	2	CHECKED BY D.F.	SAFETY BY D.F.	TABLEIRO PANEL VIEW PV #1
11	11	MTD 23/16/215	SDLD	DIVISION PLANT SIDERCROM
REV. CLIENTE		REV. INT. P&F		LOCATION/ACTIVITY
 P&F		Av. Belgrano 2272 (B1610DVD) Torcuato Buenos Aires Argentina		23/16/215
JOB				

PanelView #2 - Estación 4



Tablero 600 x 600 x 210
Eldon MAS0606021R5

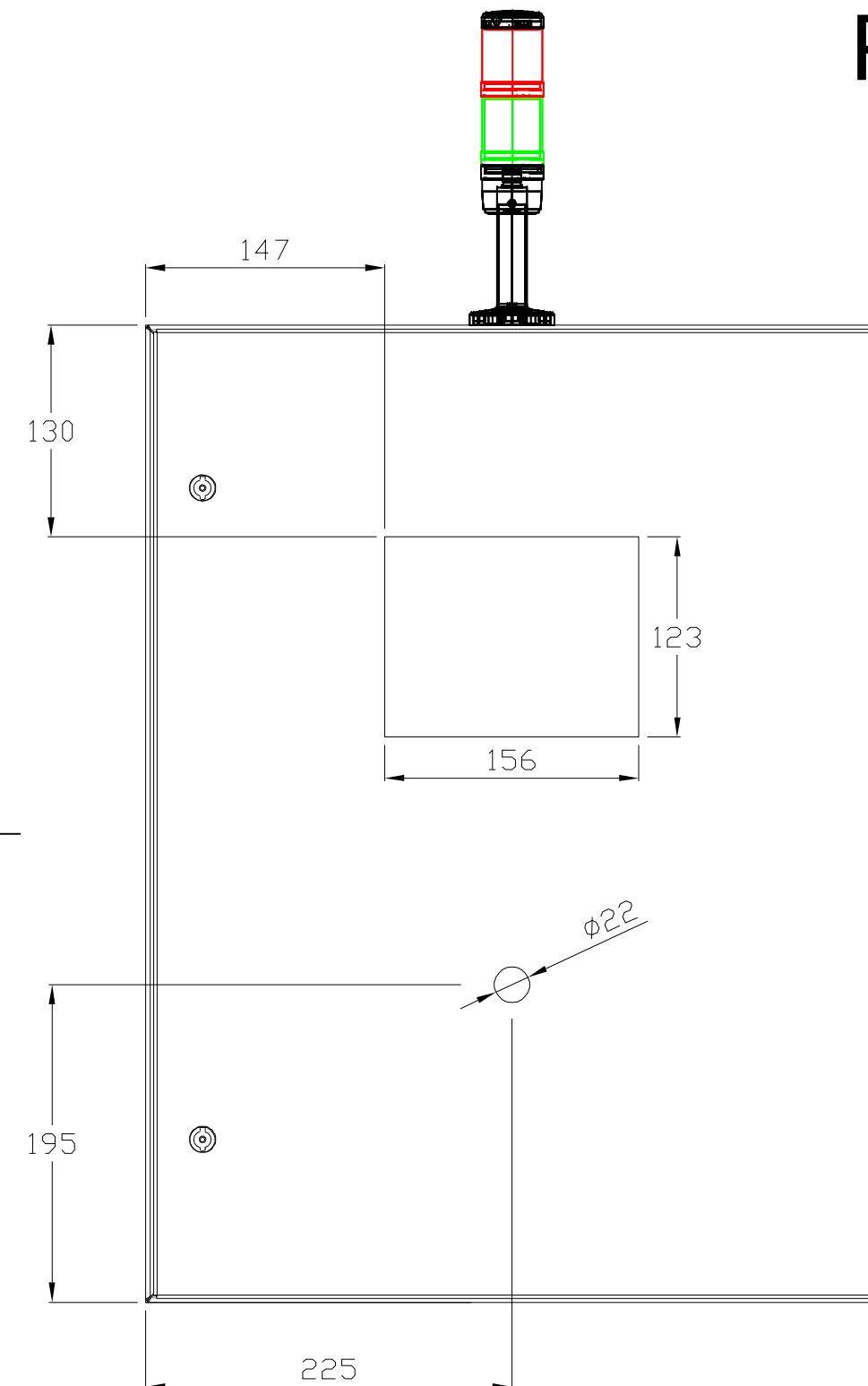
Tablero	Multipor	Nº Hilo	Nº Cable	Tags	Borneado	Componente	Descripción
PV#2	CC35	2	019061	X0104	- 46	24VDC - Rack 1 / Slot 4	IN - Pulsador de Emerg. PV2
		3	026072			PE03129	IN - Pulsador de Emerg. PV2
		4	026112				OUT - Pulsador de Emerg. PV2
		5	026071				OUT - Pulsador de Emerg. PV2
		6	026111				OUT - Pulsador de Emerg. PV2
		7	PE03130			RESERVA	Pulsador de Emergencia PV2
		8	-				
		9	057111			PB02616	Pulsador Reset de Emerg.
		10	026161				Luz Pulsador Reset Emerg.
		11	L03907				
		12	0190616				
		MARRON	24VDC			24VDC - EXEMYS	
	CC51	CELESTE	OV			OV - EXEMYS	
		NEGRO	-			-	
		A/V	-			-	
	CC52	MARRON	L220			220VAC - LECTOR	
		CELESTE	N220			0VAC - LECTOR	
		NEGRO	-			-	
	CC77	A/V	-			-	
		2	020061			OV	
		3	LR04217			BYPASS - Selector 2 Pos.	
		4	060071				
		5	060072			BYPASS	
		6	071072			Movimiento Transversal Sunchadora	
		7	071074				
		8	060071			BYPASS	
		9	060072			Elevador Puente Sunchadora	
		10	071272				
		11	071274				
		12	-			RESERVA	

5	5	PROJECT SIDERCROM EMBALAJE
4	4	DRAWING NO.
3	3	109
2	2	109 / 131
1	1	SHEETS
REV. CLIENTE		REV. INT. P&F
P&F		CHECKED BY
D.F.		SAFETY BY
DAVID		REMOVED BY
10/14/215		PLANT: SIDERCROM
		LOCATION/ACTIVITY

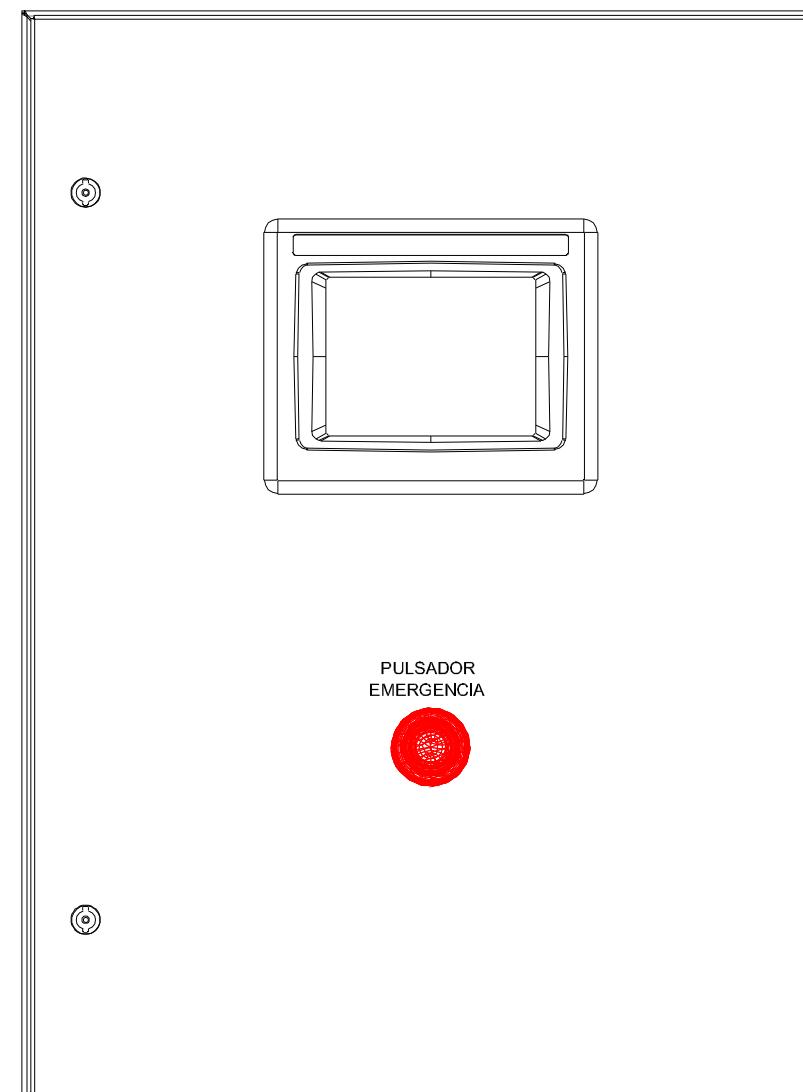
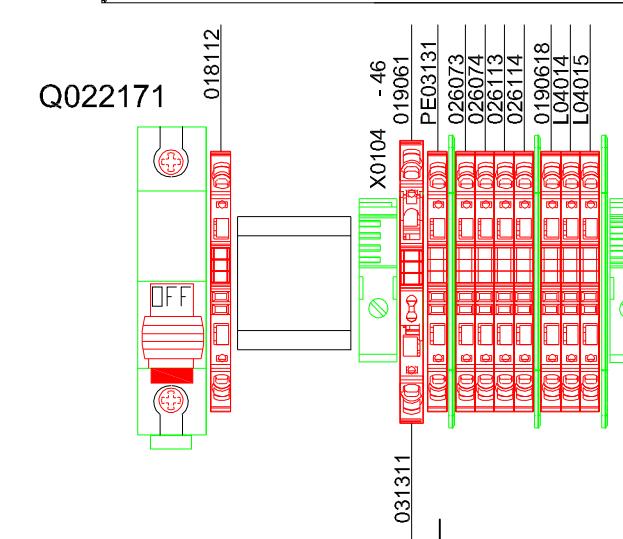
TOPOGRAFICO
TABLERO PANEL VIEW
PV #2

PanelView #3 - Estación 6

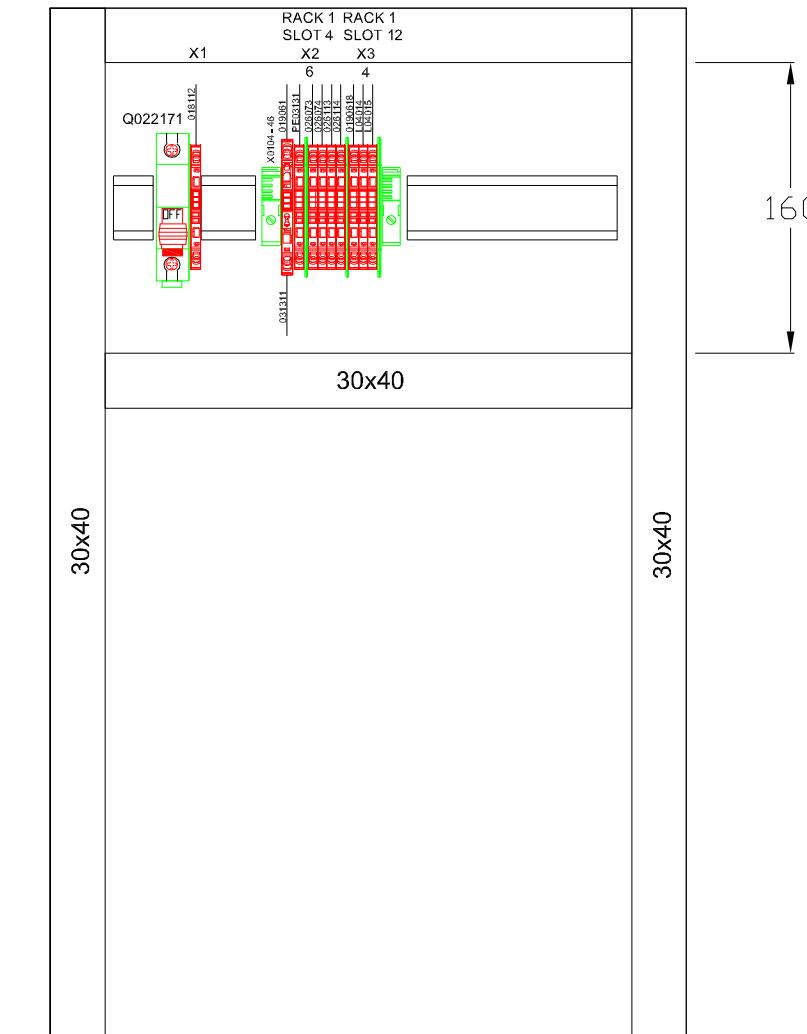
Tablero 450 x 600 x 210
Ristal



DETALLE
A



DETALLE
A

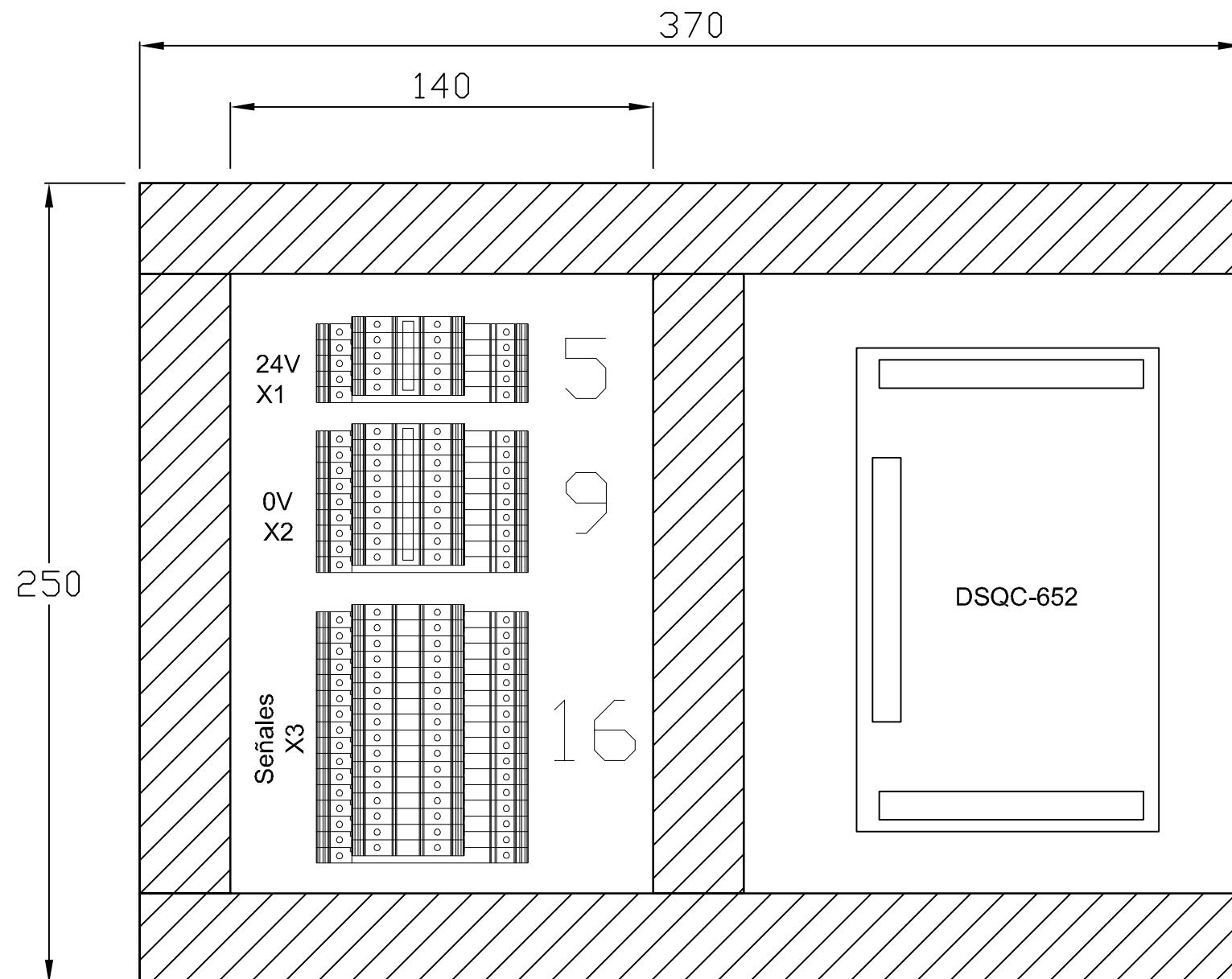


Tablero	Multipar	Nº Hilo	Nº Cable	Tags Bornera	Componente	Descripción
PV#3	CC36	2	019061	X0104 - 46	24VDC - Rack 1 / Slot 4	IN - Pulsador de Emerg. PV3
		3	026074			IN - Pulsador de Emerg. PV3
		4	026114			OUT - Pulsador de Emerg. PV3
		5	026073			OUT - Pulsador de Emerg. PV3
		6	026113			Pulsador de Emergencia PV3
		7	PE03131			Pulsador de Emergencia PV3
		8	0190618		OV - Rock 1 / Slot 12	
		9	L04014	L04014		Baliza Verde
		10	L04015	L04015		Baliza Roja
		11	018111		24VDC - PV#3	
		12	018112		OV - PV#3	

5	4	PROJECT SIDERCRON EMBALAJE
4	3	DRAWING NO. 110
3	2	REVISION BY 110
2	1	DETAILED BY 110
1	1	TOPOGRAFICO 110
REV. CLIENTE		REV. INT. P&F
P&F		Av. Belgrano 2272 (C101VVD)
		Buenos Aires
		Argentina
JOB:		PLANT: SIDERCRON
		LOCATION/ACTIVITY:
		DATE: 13/14/2115

TABLERO ROBOT I/O

JB ROBOT #1



Tablero 300x400x160

Forli 0464

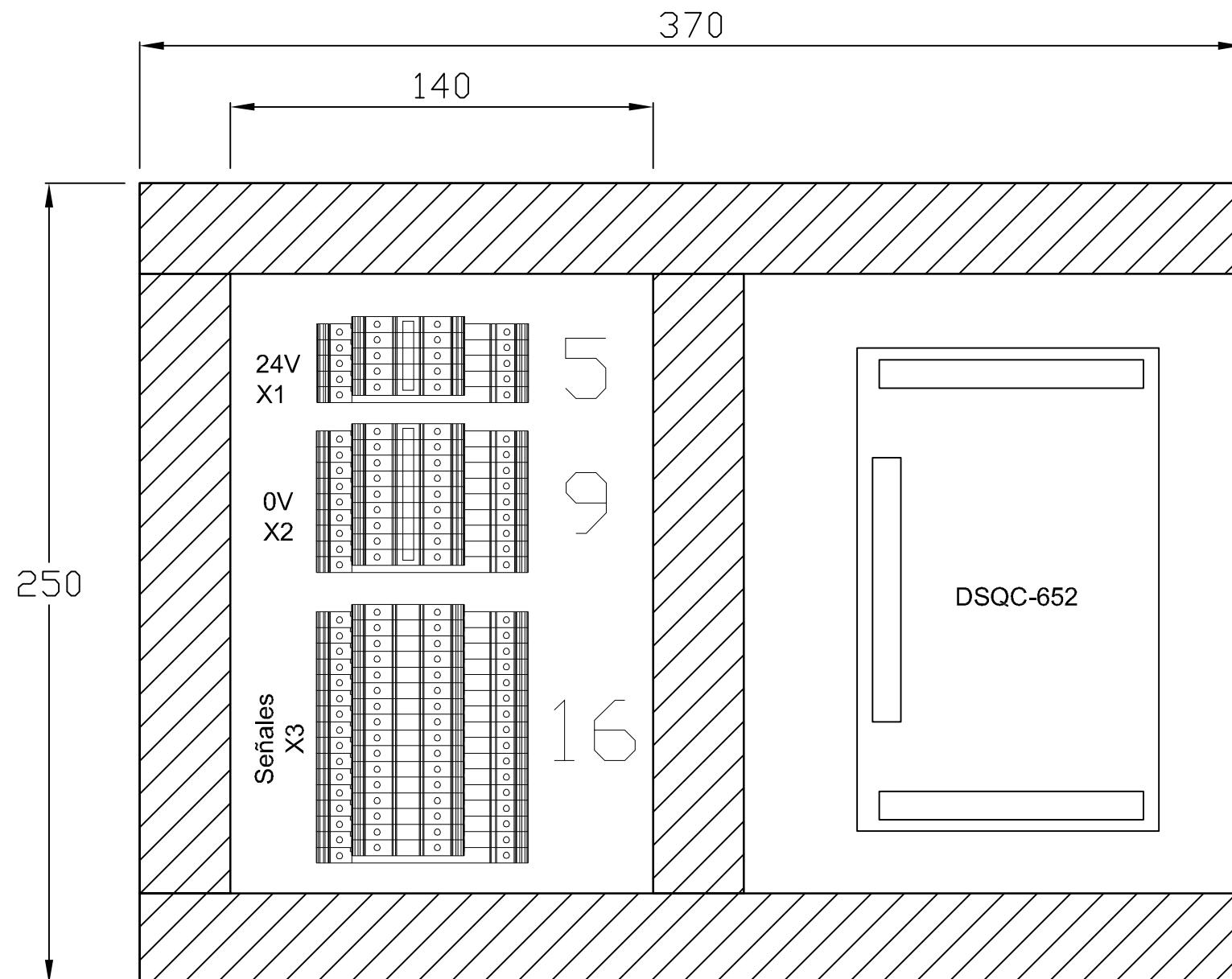
Cablecanal 30x70

IRC - X1	BORNERA	Nº CABLE		IRC - X3	BORNERA	Nº CABLE
1	X3 PISO ABAJO	ZA04900	X3 PISO ARRIBA	NC	-	-
2		ZC04901		0V	X2	018112
3		ZA04902		8		MC04925
4		ZC04903		7		MA04924
5		ZA04904		6		MC04923
6		ZC04905		5		MA04922
7		ZA04906		4		MC04921
8		ZC04907		3		MA04920
0V	X2	018112		2		MC04919
24V	X1	018111		1		MA04918
IRC - X2	BORNERA	Nº CABLE		IRC - X4	BORNERA	Nº CABLE
9	X3 PISO ABAJO	SA04909	X3 PISO ARRIBA	NC	-	-
10		SA04910		0V	-	-
11		SA04911		16	-	04933
12		SA04912		15	-	04932
13		SX04913		14	-	04931
14		SX04914		13	-	04930
15		SX04915		12		MC04929
16		SX04916		11		MC04928
0V		-		10		MC04927
24V		-		9		MC04926

5	5	PROJECT SIDERCROM EMBALAJE		
4	4	DRAWING NO.		
3	3	111	SHEET 111	SHETS 131
2	2			
1	1			
REV. CLIENTE		REV. INT. P&F		
 P&F S.A.		Av. Delgrado 2272 (B1610VDF) Don Torcuato Buenos Aires Argentina.		
JOB:		TABLERO GRIPPER ROBOT 1 JB ROBOT #1		
DRAWN BY		CHECKED BY		
D.L.		E.G. SAFETY BY D.F.		
DATE		DIVISION		
19/04/215		PLANTA SIDERCROM LOCATION/ACTIVITY		

TABLERO ROBOT I/O

JB ROBOT #2



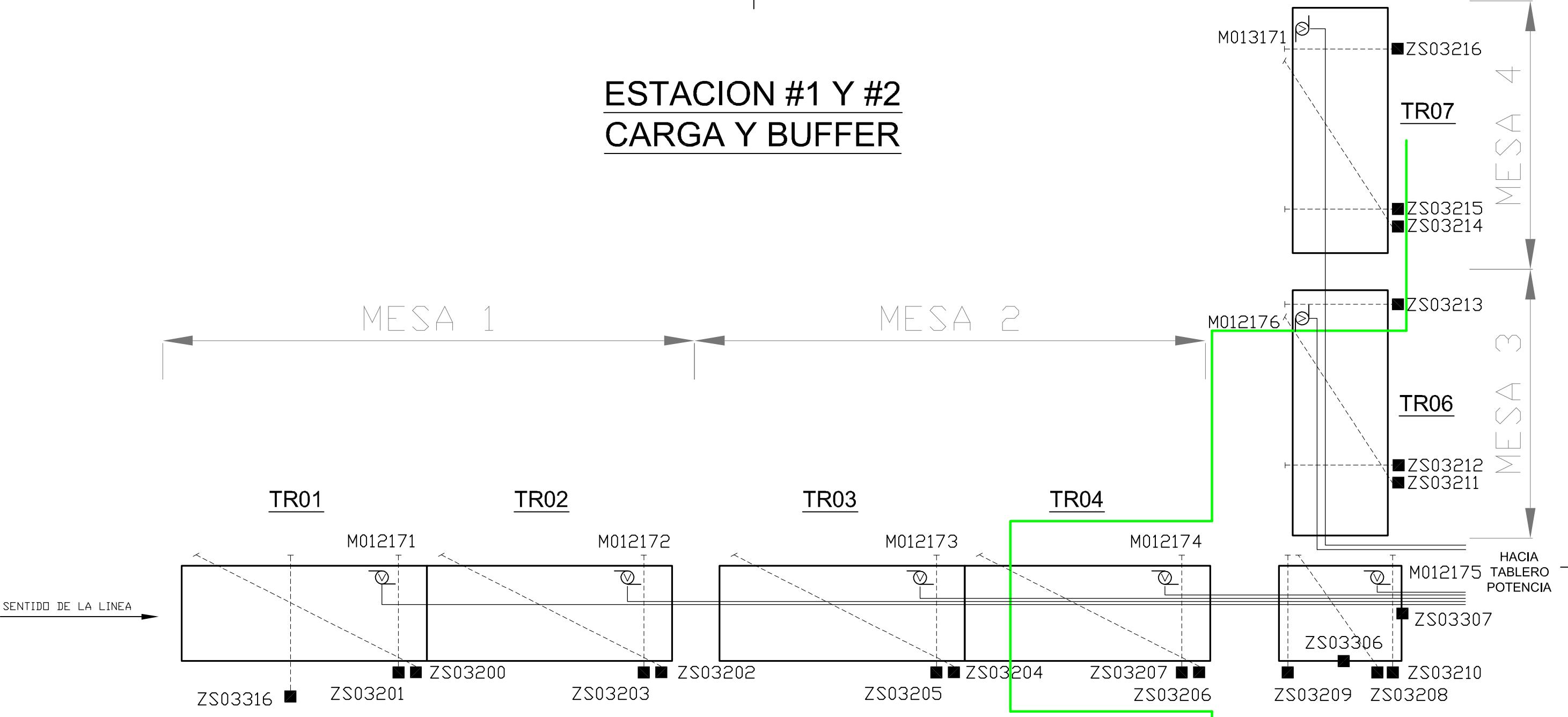
**Tablero 300x400x160
Forli 0464
Cablecanal 30x70**

IRC - X1	BORNERA	Nº CABLE		IRC - X3	BORNERA	Nº CABLE
1	X3 PISO ABAJO	ZA05000		NC	-	-
2		ZA05001		0V	X2	018112
3		05002		8	-	05025
4		05003		7	-	05024
5		05004		6	-	05023
6		05005		5	-	05022
7		05006		4	-	05021
8		05007		3	-	05020
0V		X2		2	X3 PISO ARRIBA	MC05019
24V		X1		1		MA05018
IRC - X2	BORNERA	Nº CABLE		IRC - X4	BORNERA	Nº CABLE
9	X3 PISO ABAJO	SA05009		NC	-	-
10		SA05010		0V	-	-
11		SA05011		16	-	05033
12		SA05012		15	-	05032
13		SA05013		14	-	05031
14		SA05014		13	-	05030
15		SA05015		12	X3 PISO ARRIBA	MA05029
16		SA05016		11		MA05028
0V		-		10		MA05027
24V		-		9		MA05026

5	5	PROJECT SIDERCROM EMBALAJE	
4	4	DRAWING NO.	
3	3	112	SHEET NO. 112 / 131
2	2	REISSUE BY / RELEASE BY / TITLE	
1	1	LH. E.G.	TABLERO GRIPPER ROBOT 2
REV. CLIENTE		REV. INT. P&F	
 P&F s.a. Av. Belgrano 2272 (B1610BDV) Don Torcuato Buenos Aires Argentina		CHECKED BY / SAFETY BY D.F.	
		DATE	BUILT
		29/11/2015	
		DRAWN BY	PLANTE SIDERCROM
		DESIGN ACTIVITY	
		LOCATION	

ESTACION #1 Y #2

CARGA Y BUFFER



JB #1 - INPUTS	
ID	FUNCTION
ZS03200	EST1: Presencia de pallet Pos. No. 1
ZS03201	EST1: Stop de pallet Pos. No. 1
ZS03202	EST1: Presencia de pallet Pos. No. 2
ZS03203	EST1: Stop de pallet Pos. No. 2
ZS03204	EST1: Presencia de pallet Pos. No. 3
ZS03205	EST1: Stop de pallet Pos. No. 3
ZS03206	EST1: Presencia de pallet Pos. No. 4
ZS03207	EST1: Stop de pallet Pos. No. 4
ZS03208	EST2: Presencia de pallet Pos. No. 5 (TG)
ZS03209	EST2: Pos. Stop Trasero Pos. No. 5 (TG)
ZS03210	EST2: Pos. Stop Delantero Pos. No. 5 (TG)
ZS03211	EST2: Presencia de pallet Pos. No. 6
ZS03212	EST2: Stop Trasero pallet Pos. No. 6
ZS03213	EST2: Stop Delantero pallet Pos. No. 6
ZS03214	EST2: Presencia de pallet Pos. No. 7
ZS03215	EST2: Stop Trasero pallet Pos. No. 7
ZS03216	EST2: Stop Delantero pallet Pos. No. 7
ZS03316	EST1: Sensor sobre altura de entrada pallet
ZS03306	EST2: TG en Pos. de Línea
ZS03307	EST2: TG en Pos. de Descarte



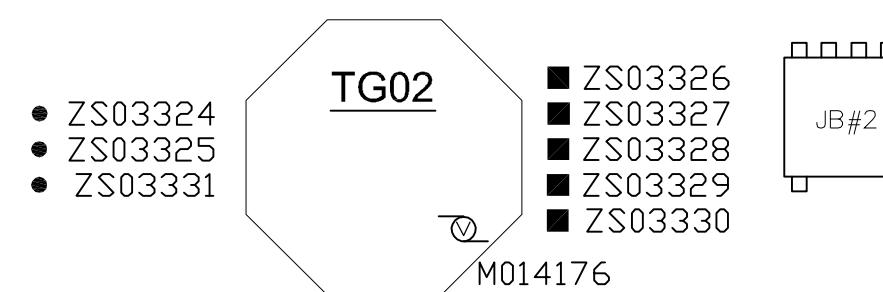
5	5	PROJECT SIDERCRON EMBALAJE
4	4	DRAWING NO. 114
3	3	DESIGNER BY E.G.
2	2	REVIEWED BY D.F.
1	1	APPROVED BY S.A.
REV. CLIENTE		REV. INT. P&F
P&F		Av. Delgrado 2272 (B1411VD) Don Torcuato Buenos Aires Argentina
JOB		DATE 13/16/215
DIVISION PLANT SIDECRON		
LOCATION/ACTIVITY		

LEGEND

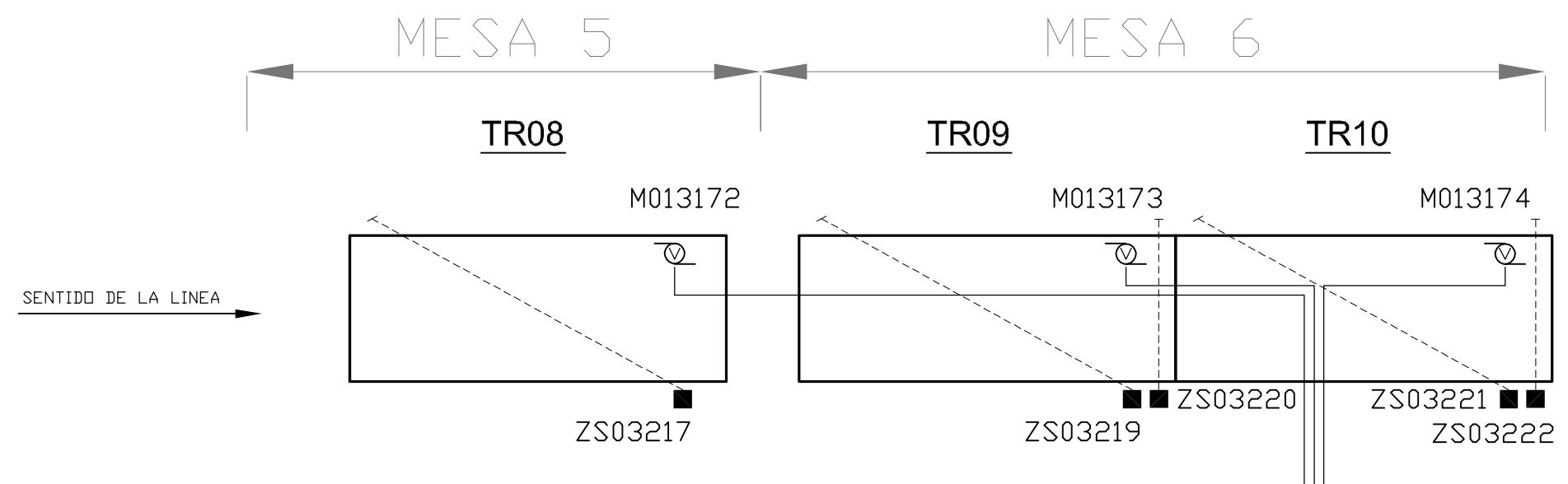
- LLAVE DE CORTE**: LLAVE DE CORTE MOTOR
- MOTOR (CONSTANT SPEED)**: MOTOR (CONSTANT SPEED)
- MOTOR (ADJUSTABLE SPEED)**: MOTOR (ADJUSTABLE SPEED)
- MOTOR (VARIABLE SPEED)**: MOTOR (VARIABLE SPEED)
- MOTOR BRAKE**: MOTOR BRAKE
- SOLENOID**: SOLENOID
- AUTO OFF P.B. STATION**: AUTO OFF P.B. STATION
- CYLINDER SENSOR**: CYLINDER SENSOR
- AIR STOP**: AIR STOP
- FIXED STOP**: FIXED STOP
- LIGHT**: LIGHT
- START/STOP P.B. STATION**: START/STOP P.B. STATION
- LIMIT SWITCH**: LIMIT SWITCH
- SENSOR PRESENCE**: SENSOR PRESENCE
- SENSOR OPTICO CON ESPEJO**: SENSOR OPTICO CON ESPEJO
- JUNCTION BOX & NUMBER**: JB#
- CABLE CONNECTION & HOME RUN TO PANEL**: CABLE CONNECTION & HOME RUN TO PANEL
MCx = MOTOR CABLE & NUMBER (380V)
CCx = CONTROL CABLE & NUMBER (24VDC)
- CONDUIT AND WIRE**: CONDUIT AND WIRE
- CABLE**: CABLE
- CONTROL PANEL/MIMIC STATION**: CONTROL PANEL/MIMIC STATION
- OPERATOR STATION**: OPERATOR STATION

ESTACION #3 Y #4

ESTRECHADO - BUFFER - MESA GIRATORIA DE MATERIALES



JB#2 - INPUTS	
ID	FUNCTION
ZS03324	EST3: Enclave Mesa materiales Avance
ZS03325	EST3: Enclave Mesa materiales Retroceso
ZS03326	EST3: Sensor Parada Autoelevador
ZS03327	EST3: Pos Mesa materiales sensor No. 1
ZS03328	EST3: Pos Mesa materiales sensor No. 2
ZS03329	EST3: Pos Mesa materiales sensor No. 3
ZS03330	EST3: Pos Mesa materiales sensor Stop
ZS03331	EST3: Sensor Friction Wheel Retroceso



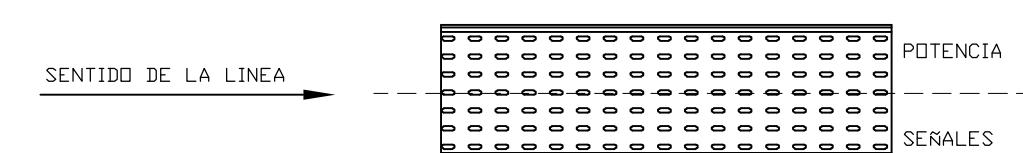
SENSORES HACIA TABLERO COMANDO

HACIA
TABLERO
POTENCIA

LEGEND

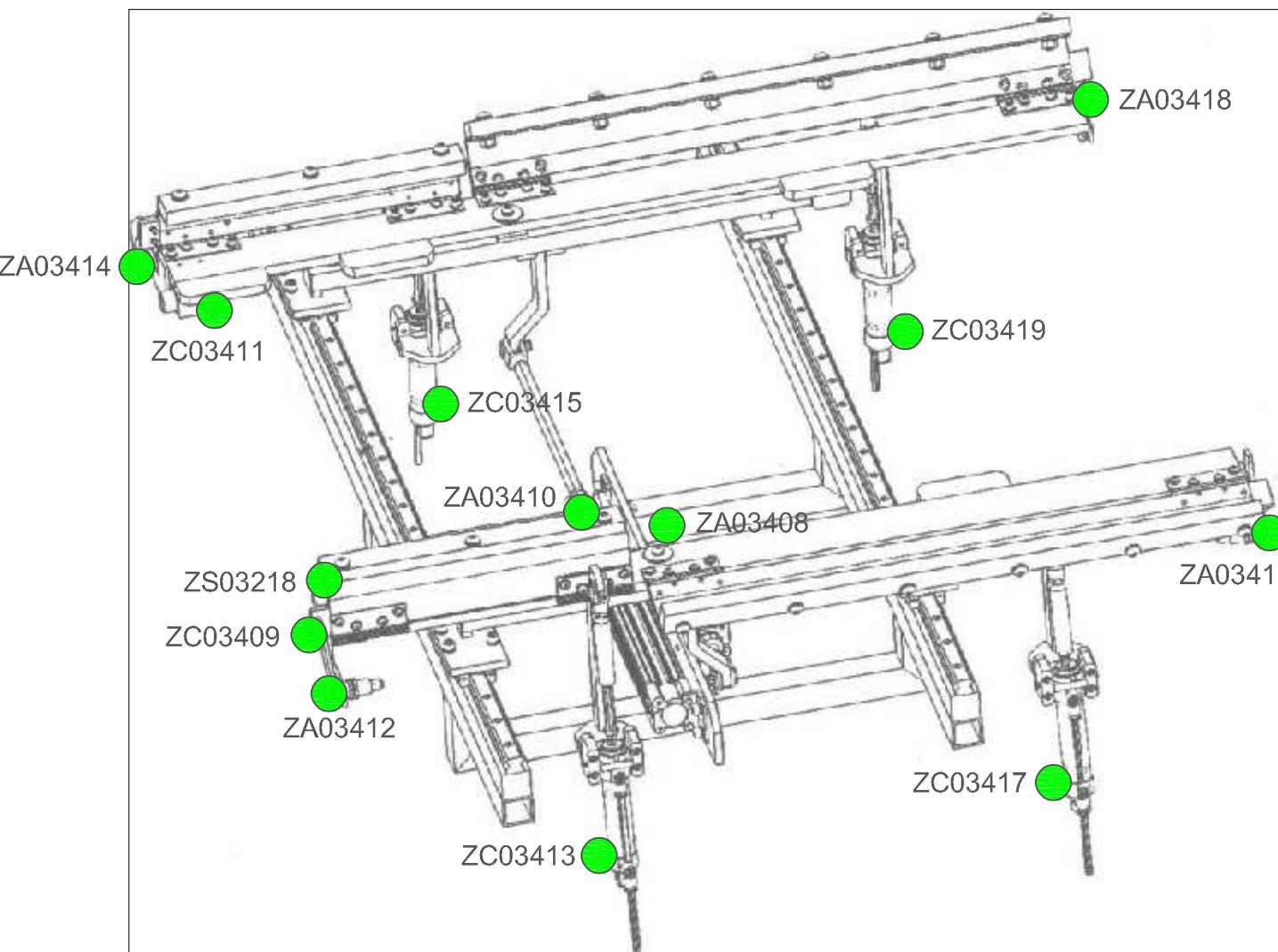
	LLAVE DE CORTE	
	MOTOR (CONSTANT SPEED)	<input checked="" type="checkbox"/> LIMIT SWITCH
	MOTOR (ADJUSTABLE SPEED)	<input type="checkbox"/> SENSOR PRESENCIA
	MOTOR (VARIABLE SPEED)	
	MOTOR BRAKE	SENSOR OPTICO CON ESPEJO
	SOLENOID	
	AUTO OFF P.B. STATION	JUNCTION BOX & NUMBER
	CYLINDER SENSOR	
	AIR STOP	CABLE CONNECTION & HOME RUN TO PANEL
	FIXED STOP	MCx = MOTOR CABLE & NUMBER (380V) CCx = CONTROL CABLE & NUMBER (24V)
	OVERHEAD LIGHT	
	START/STOP P.B. STATION	CONDUIT AND WIRE
		CABLE
		CONTROL PANEL/MIMIC STATION
		OPERATOR STATION

TBP COMANDO - INPUTS	
ID	FUNCTION
ZS03217	EST3: Presencia de pallet Pos. No. 8
ZS3219	EST4: Presencia de pallet Pos. No. 9
ZS3220	EST4: Stop de pallet Pos. No. 9
ZS3221	EST4: Presencia de pallet Pos. No. 10
ZS3222	EST4: Stop de pallet Pos. No. 10



5	5	PROJECT SIDERCROM EMBALAJE	
4	4	DRAWING NO.	
3	3	115	SHEET SHEETS
2	2		115 131
1	1	RECORDED BY: DATE ISSUED BY: TITLE:	
REV. CLIENTE		L.H. E.G. ELECTRICAL INSTALLATION	
REV. INT. P&F		RECORDED BY: SAFETY DIR. D.F.	EST #3 Y #4
 Av. Belgrano 2272 (C1611VWD) Don Torcuato Buenos Aires Argentina		DATE: 20/11/2015	SCALE: PLANT SIDERCROM

ESTACION #3
RETENEDOR DE ESQUINEROS

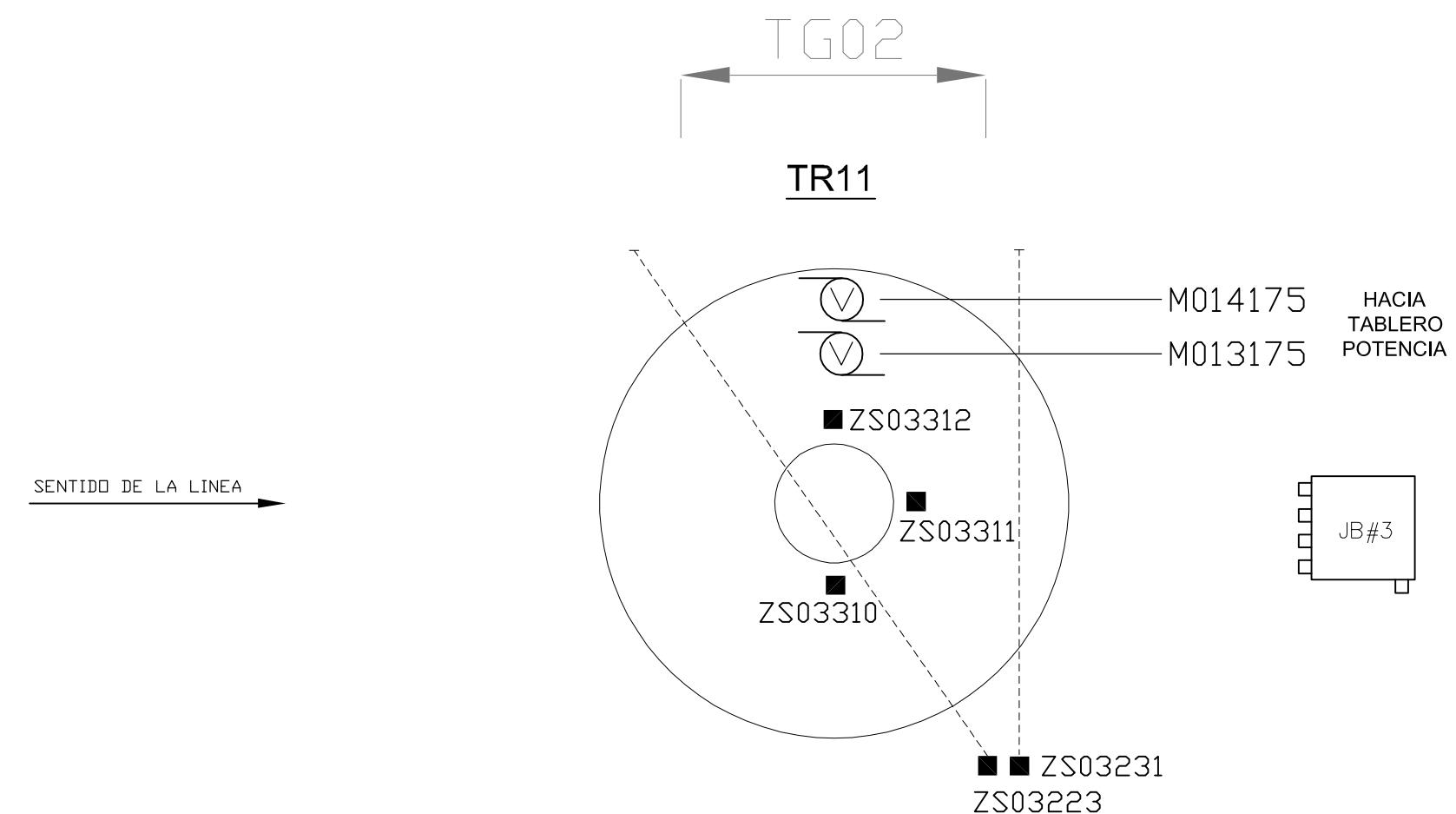


Sensores	Descripcion
ZS03218	EST3: Stop de pallet Pos. No. 8
ZS03408	EST3: Carro Sujetador Esquineros Izquierdo Abierto
ZC03409	EST3: Carro Sujetador Esquineros Izquierdo Cerrado
ZA03410	EST3: Carro Sujetador Esquineros Derecho Abierto
ZC03411	EST3: Carro Sujetador Esquineros Derecho Cerrado
ZA03412	EST3: Sujetador Esquineros #1 Abierto
ZC03413	EST3: Sujetador Esquineros #1 Cerrado
ZA03414	EST3: Sujetador Esquineros #2 Abierto
ZC03415	EST3: Sujetador Esquineros #2 Cerrado
ZA03416	EST3: Sujetador Esquineros #3 Abierto
ZC03417	EST3: Sujetador Esquineros #3 Cerrado
ZA03418	EST3: Sujetador Esquineros #4 Abierto
ZC03419	EST3: Sujetador Esquineros #4 Cerrado

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
PROJECT SIDERCROM EMBALAJE DRAWING NO. 116 SHEET 116 OF 131															
REVISION BY DATE DRAWN BY TITLE REV. CLIENTE REV. INT. P&F D.F. SAFETY BY P&F Av. Delgrado 2272 (B1411VD) D.F. 03/14/215 PLANT: SIDERCROM Argentino LOCATION/ACTIVITY:															

ESTACION #5

TG SUNCHADORA

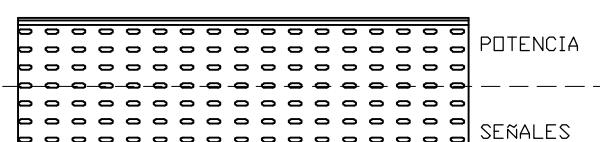


LEGEND

	LLAVE DE CORTE MOTOR
	MOTOR (CONSTANT SPEED)
	MOTOR (ADJUSTABLE SPEED)
	MOTOR (VARIABLE SPEED)
	MOTOR BRAKE
	SOLENOID
	AUTO OFF P.B. STATION
	CYLINDER SENSOR
	AIR STOP
	FIXED STOP
	OVERHEAD LIGHT
	START/STOP P.B. STATION
	LIMIT SWITCH
	SENSOR PRESENCIA
	SENSOR OPTICO CON ESPEJO
	JB# JUNCTION BOX & NUMBER
	CABLE CONNECTION & HOME RUN TO PANEL
	MCx = MOTOR CABLE & NUMBER (380V)
	CCx = CONTROL CABLE & NUMBER (24VDC)
	CONDUIT AND WIRE
	CABLE
	CONTROL PANEL/MIMIC STATION
	OPERATOR STATION

JB #3 - INPUTS	
ID	FUNCTION
ZS03223	EST5: Presencia de pallet Pos. No. 11 (TG)
ZS03231	EST5: Stop pallet corto No. 11 (TG)
ZS03310	EST5: Transporte giratorio sensor N°1
ZS03311	EST5: Transporte giratorio sensor N°2
ZS03312	EST5: Transporte giratorio sensor N°3
ZS03313	EST5: Transporte giratorio sensor parada

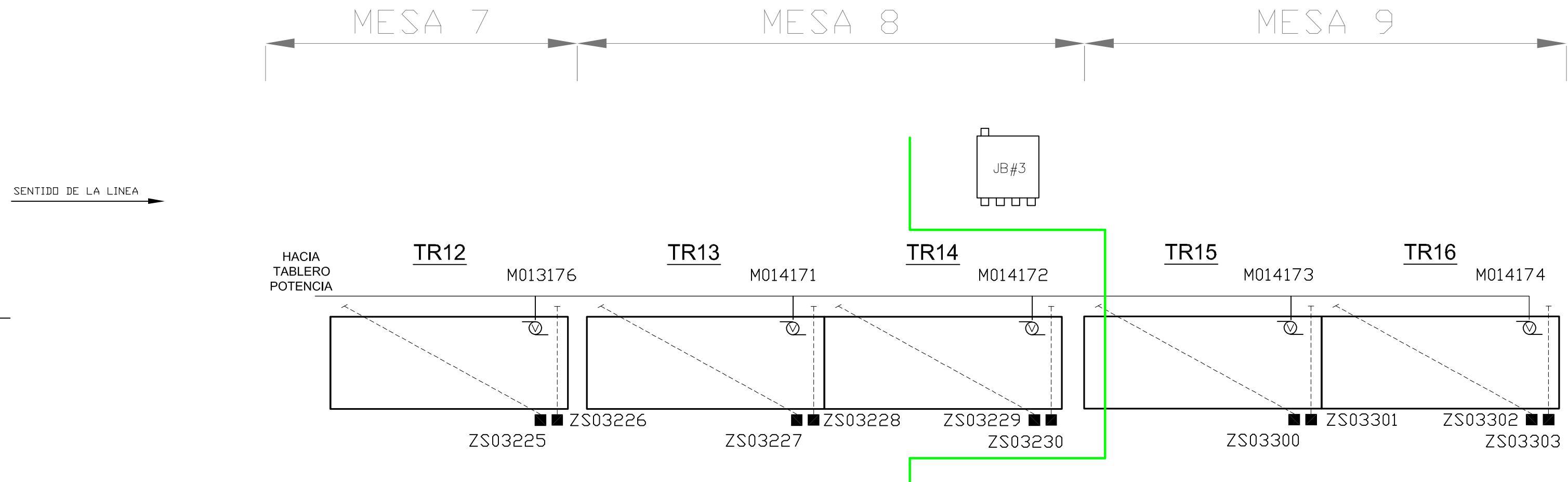
SENTIDO DE LA LINEA →



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PROJECT: SIDERCRON EMBALAJE															
DRAWING NO.: 117 SHEET 117 OF 131															
REVISION BY: D.F. DRAWN BY: E.G. CHECKED BY: D.F. APPROVED BY: D.F.															
REV. CLIENTE: Av. Belgrano 2272 (C1010BD) Don Torcuato Buenos Aires Argentina															
REV. INT. P&F: DATED: 19/14/215															
DRAFTED BY: D.F. CHECKED BY: D.F. APPROVED BY: D.F.															
DIVISION: PLANT: SIDERCRON LOCATION/ACTIVITY:															

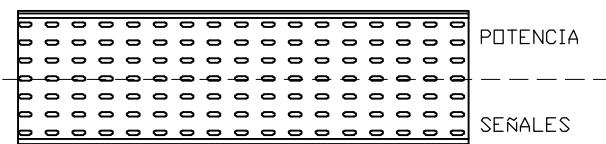
ESTACION #5 Y #6

ZUNCHACHADO - BUFFER



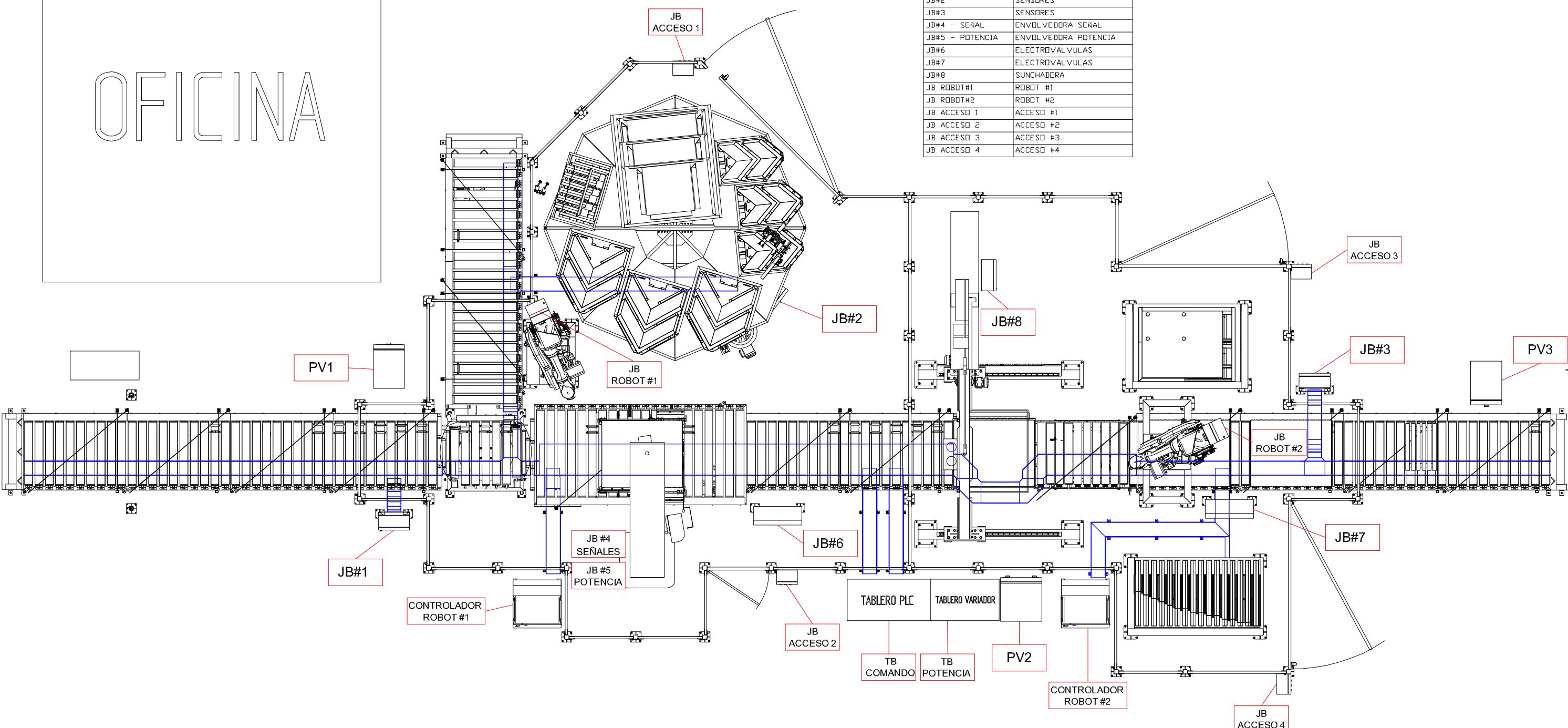
JB #3 - INPUTS	
ID	FUNCTION
ZS03225	EST5: Presencia de pallet Pos. No. 12
ZS03226	EST5: Stop de pallet Pos. No. 12
ZS03227	EST6: Presencia de pallet Pos. No. 13
ZS03228	EST6: Stop de pallet Pos. No. 13
ZS03229	EST6: Presencia de pallet Pos. No. 14
ZS03230	EST6: Stop de pallet Pos. No. 14
ZS03300	EST6: Presencia de pallet Pos. No. 15
ZS03301	EST6: Stop de pallet Pos. No. 15
ZS03302	EST6: Presencia de pallet Pos. No. 16
ZS03303	EST6: Stop de pallet Pos. No. 16

SENTIDO DE LA LINEA (Line direction) indicated by an arrow.



LEGEND	
LLAVE DE CORTE MOTOR	LIMIT SWITCH
MOTOR (CONSTANT SPEED)	SENSOR PRESENCIA
MOTOR (ADJUSTABLE SPEED)	SENSOR OPTICO CON ESPEJO
MOTOR (VARIABLE SPEED)	JB# JUNCTION BOX & NUMBER
MOTOR BRAKE	CABLE CONNECTION & HOME RUN TO PANEL MCx = MOTOR CABLE & NUMBER (380V) CCx = CONTROL CABLE & NUMBER (24VDC)
SOLENOID	CONDUIT AND WIRE
AUTO OFF P.B. STATION	CABLE
CYLINDER SENSOR	CONTROL PANEL/MIMIC STATION
AIR STOP	OPERATOR STATION
FIXED STOP	
OVERHEAD LIGHT	
START/STOP P.B. STATION	

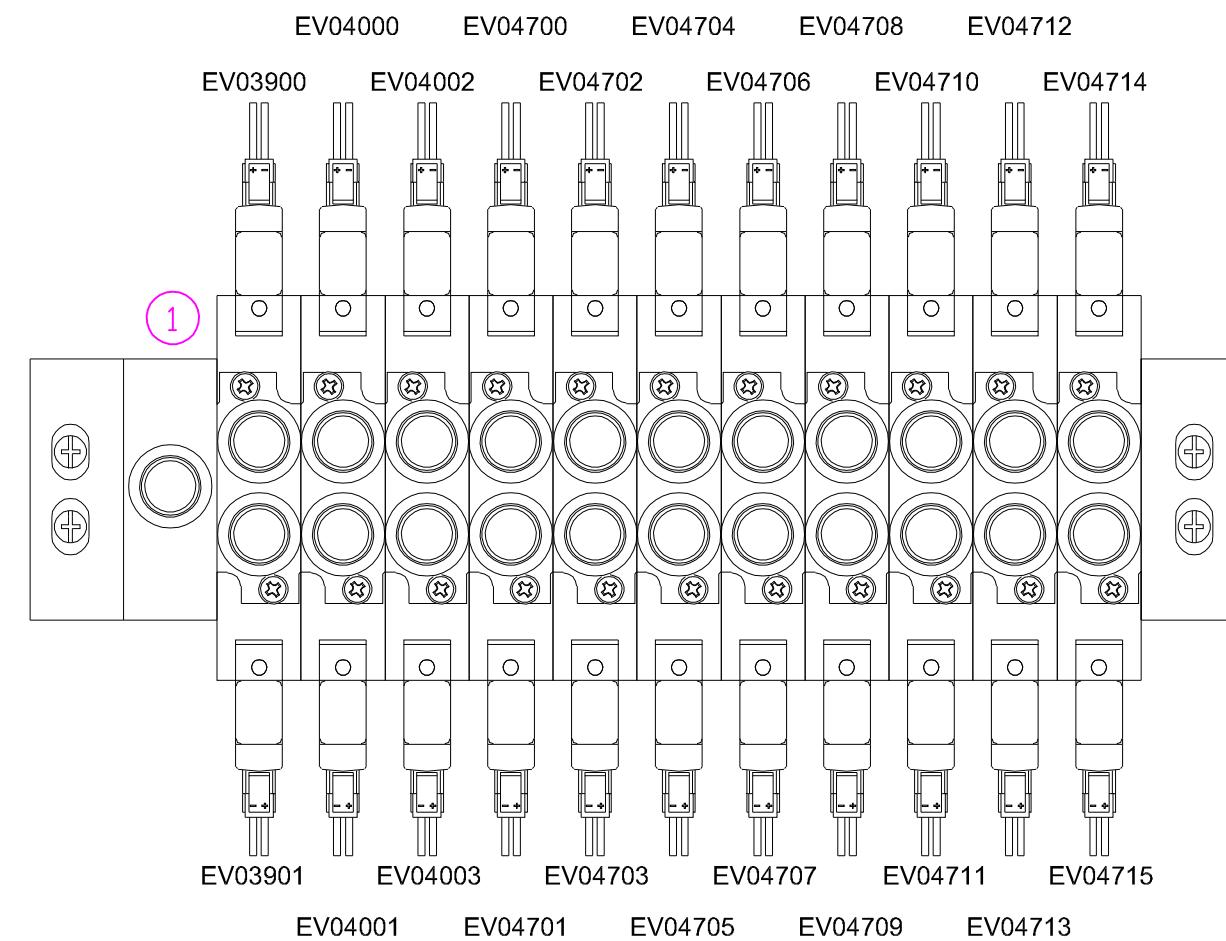
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PROJECT: SIDERCRON EMBALAJE															
DRAWING NO. 118 SHEET 118 OF 131															
REVISION BY: D.F. DRAWN BY: D.F. CHECKED BY: D.F. APPROVED BY: D.F.															
REV. CLIENTE REV. INT. P&F LH E6 D.F. D.F. D.F.															
P&F Av. Belgrano 2272 (C1014VD) Don Torcuato Buenos Aires Argentina															
JOB: 13/14/215 DIVISION: PLANT: SIDERCRON LOCATION/ACTIVITY:															



ID	TABLERO
TB COMANDO	COMANDO
TB POTENCIA	POTENCIA
PV1	PANELVIEW #1
PV2	PANELVIEW #2
PV3	PANELVIEW #3
JB#1	SENSORES
JB#2	SENSORES
JB#3	SENSORES
JB#4 - SERAL	ENVOLVEDORA SERAL
JB#5 - POTENCIA	ENVOLVEDORA POTENCIA
JB#6	ELECTROVAL VULAS
JB#7	ELECTROVAL VULAS
JB#8	SUNCHADORA
JB ROBOT#1	ROBOT #1
JB RROBOT#2	ROBOT #2
JB ACCESO 1	ACCESO #1
JB ACCESO 2	ACCESO #2
JB ACCESO 3	ACCESO #3
JB ACCESO 4	ACCESO #4

PROJECT		SIDERCROM EMBALAJE	
DRAWING NO.		120	
REVISION BY	DETAILED BY	120	131
1	REV. CLIENTE	REV. INT. P&F	
2	LH	E6	
3	D.F.	Safety Sec	
4	DAVID	ROLD	
5	Av. Belgrano 2272 (C1010VD)	PLANT SIDERCROM	
6	Buenos Aires	LOCATION/ACTIVITY	
7	Argentina		
8	P&F		
9	19/14/215		
10	13	14	
11	15	16	
12			
13			
14			
15			
16			

NEUMÁTICA - ESTACION #3



EST3:Sople Film Izquierdo
EST3:Sople Film Derecho

EST2:TG Giro 90°
EST3: Mesa Materiales Friction Wheel

EST3: Enclave Mesa materiales

EST3: Cabezal corte

EST3: Cabezal film

EST3: Carro sujetador esquineros izquierdo

EST3: Carro sujetador esquineros derecho

EST3: Presionador Esquinero No. 1

EST3: Presionador Esquinero No. 2

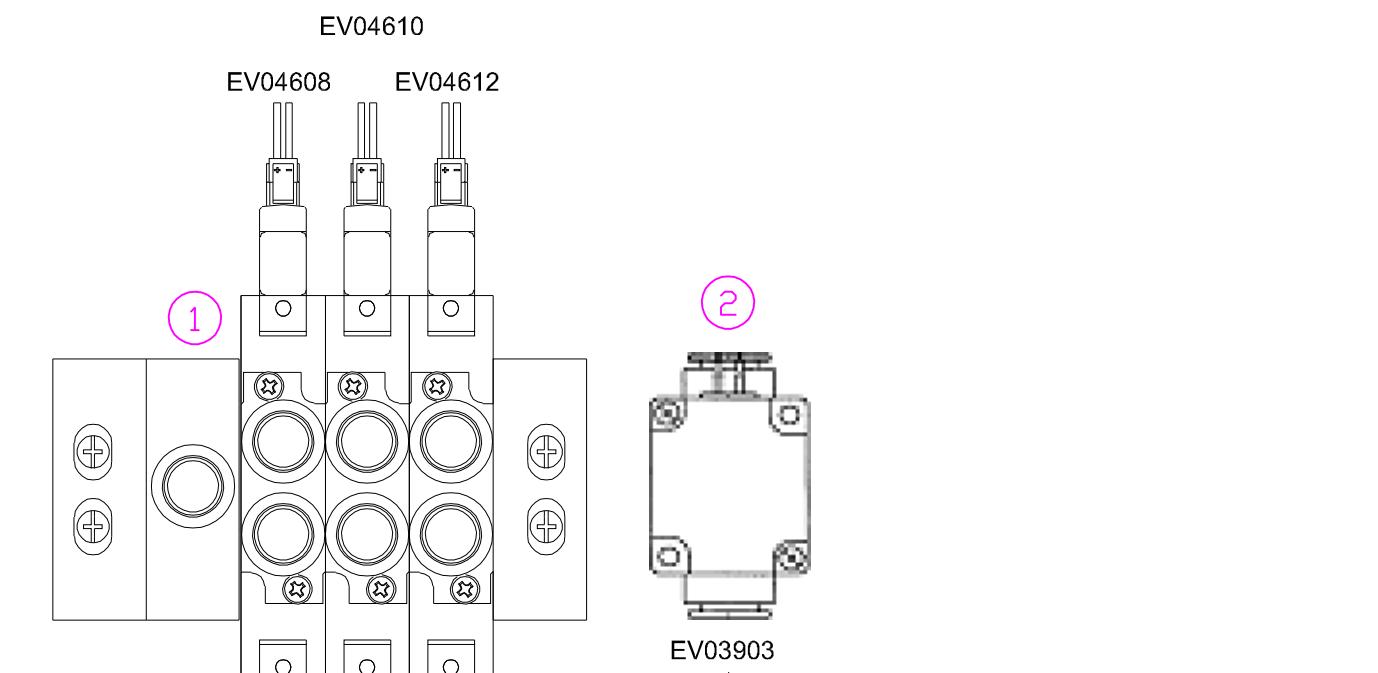
EST3: Presionador Esquinero No. 3

EST3: Presionador Esquinero No. 4

ITEM	DESCRIPCION	Nº CATALOGO	FABRICANTE
1	Electrovalvula 5/2	SY7260-5LZ-02	SMC
2	Electrovalvula 2/2	VQ21A1-5G-C6-F	SMC

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PROJECT SIDERCRON EMBALAJE															
DRAWING NO. 122 SHEET 122 OF 131															
DESIGNER BY: DRAFTED BY: TITLE: NEUMATICA REV. CLIENTE REV. INT. P&F LH E6 P&F Av. Belgrano 2272 (C1111VD) D.F. Don Torcuato Buenos Aires SAFETY BY: D.F. JOB# 19/14/215 SOLID DATED: 19/14/215 DIVISION: PLANT: SIDERCRON LOCATION/ACTIVITY:															

NEUMÁTICA - ESTACION #5



EST5:Soplador de etiquetas

EST5: Presionador Esquinero No. 1

EST5: Presionador Esquinero No. 2

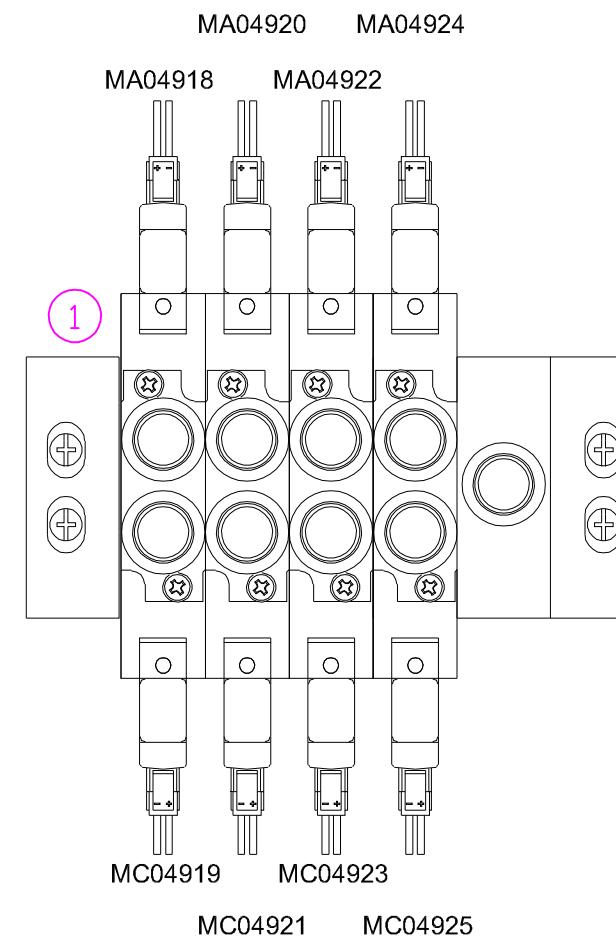
EST5: Friction Wheel Sunchadora

ITEM	DESCRIPCION	Nº CATALOGO	FABRICANTE
1	Electrovalvula 5/2	SY7260-5LZ-02	SMC
2	Electrovalvula 2/2	VQ21A1-5G-C6-F	SMC

PROJECT	5	4	5	SIDERCROM EMBALAJE
4	4	4	4	DRAWING NO.
3	3	3	3	123
2	2	2	2	123 / 131
1	1	1	1	REVISION BY: DATED BY: DRAWN BY: TITLE:
REV. CLIENTE	REV. INT. P&F	LK	E6	NEUMATICA ESTACION #5
P&F	Av. Delgrado 2272 (B1411VD) Don Torcuato Buenos Aires Argentina	D.F.	Safety No:	PLANT: SIDERCROM
JOB:	DATE: 13/14/215	NAME: GOLDE	LOCATION/ACTIVITY:	

NEUMÁTICA - GRIPPER

ROBOT #1



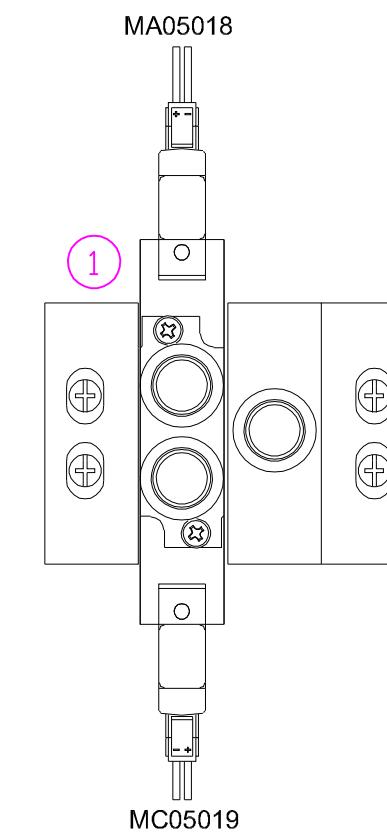
Cilindro Pivotante Nº1 _____
Cilindro Pivotante Nº2 _____
Presionador Papel _____
Extensor Gripper _____

ITEM	DESCRIPCION	Nº CATALOGO	FABRICANTE
1	Electrovalvula 5/2	SY7260-5LZ-02	SMC

5	5	PROJECT SIDERCROM EMBALAJE
4	4	DRAWING NO.
3	3	124
2	2	124 / 131
1	1	REVISION BY DATE MADE BY TITLE
REV. CLIENTE		REV. INT. P&F
P&F		Av. Delgrado 2272 (B1410VDF) Don Torcuato Buenos Aires Argentina
DRAFTED BY		SAFETY BY
SOLVED BY		JOB NO.
10/14/215		13 14 15 16
DIVISION PLANT SIDERCROM		LOCATION/ACTIVITY

NEUMÁTICA - GRIPPER

ROBOT #2



Cilindro Pivotante №1

ITEM	DESCRIPCION	Nº CATALOGO	FABRICANTE
1	Electrovalvula 5/2	SY7260-5LZ-02	SMC

PROJECT	5	5	PROJECT	SIDERCROM EMBALAJE	
4	4	4	DRAWING NO.	125	
3	3	3	REVISION BY	125 / 131	
2	2	2	DETAILED BY	TITLE	
1	1	1	REV. CLIENTE	REV. INT. P&F	NEUMATICA
			P&F	LH	GRIPPER ROBOT#2
			Av. Delgrado 2272 (C111IVD)	E&E	SAFETY BY
			Bon Pastor Buenos Aires	D.F.	REVIEWED BY
			Argentina	SIGNED	PLANT: SIDERCROM
				DATE: 19/14/215	LOCATION/ACTIVITY:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A																A
B																B
C																C
D																D
E																E
F																F
G																G
H																H
J																J
K																K
L																L
M																M
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

5	5	PROJECT SIDERCROM EMBALAJE	
4	4	DRAWING NO.	
3	3	130	
2	2	SHEET 130 / 131	
1	1	ISSUED BY: DRAILED BY: TITLE:	
REV. CLIENTE		REV. INT. P&F	
		LH	E&E
		D.F.	SAFETY REC.
		Av. Belgrano 2272 (C1014VVD) Don Torcuato Buenos Aires Argentina	
JOB:		CHECKED BY:	RELEASER BY:
		DAVID	ROLD
		09/14/215	09/14/215
		DIVISION: PLANT: SIDERCROM LOCATION/ACTIVITY:	

ITEM	DESCRIPCION 1	DESCRIPCION 2	FABRICANTE	CATÁLOGO	CANTIDAD	STOCK RECOMENDADO
1	MODULE I/O ROBOT		ABB	DSQC652	2	-
2	GUARDAMOTOR	MPCB, GM 1.6 a 2.5 A	Allen Bradley	140M-C2E-B25	7	1
3	GUARDAMOTOR	MPCB, GM 2.5 - 4 A	Allen Bradley	140M-C2E-B40	16	3
4	GUARDAMOTOR	MPCB, GM 6,3 a 10 A	Allen Bradley	140M-C2E-C10	5	1
5	INTERRUPTOR 100A		Allen Bradley	194E-A100-1756	1	-
6	CONTACTOR	MCS-C CONTACTOR, IEC, 9A, 24V DC	Allen Bradley	100-C09EJ10	33	5
7	SWITCH PUERTA	GUARD LOCKING SWITCH - 440G-MT, 24VDC	Allen Bradley	440G-MT47044	4	1
8	RELE 24 VDC		Allen Bradley	700HC24Z24	7	1
9	LED VERDE		Allen Bradley	800F-N3G	4	-
10	LED ROJO		Allen Bradley	800F-N3R	4	-
11	LED AZUL		Allen Bradley	800F-N3W	1	-
12	BALIZA ROJA		Allen Bradley	855E-24TL4	7	-
13	BALIZA AMBAR		Allen Bradley	855E-24TL5	1	-
14	BALIZA VERDE		Allen Bradley	855E-24TL3	3	-
15	PULSADOR CIEGO	800F PUSH BUTTON - METAL, FLUSH, BLACK	Allen Bradley	800FM-F2	7	-
16	PULSADOR LUMINOSO	800F MOMENTARY PUSH BUTTON - METAL, ILLUMINATED, FLUSH, YELLOW	Allen Bradley	800FM-LF5	4	-
17	PULSADOR LUMINOSO	800F MOMENTARY PUSH BUTTON - METAL, ILLUMINATED, FLUSH, CLEAR	Allen Bradley	800FM-LF7	4	-
18	PARADA EMERGENCIA	800F ILLUMINATED MUSHROOM OPERATORS	Allen Bradley	800FM-LMT44	7	-
19	MODULO ENTRADA		Allen Bradley	1756-IB32	7	1
20	MODULO SALIDA		Allen Bradley	1756-OW16I	6	1
21	FUENTE ALIMENTACION 24VDC, 10A	POWER SUPPLY 24-28V DC, 240 W, 120/240V AC INPUT VOLTAGE	Allen Bradley	1606-XLE240EP	4	1
22	MODULO ETHERNET	ETHERNET 10-100M INTERFACE MODULE	Allen Bradley	1756-EN2T	2	1
23	MODULO ETHERNET	ETHERNET DUAL PORT 10-100M INTERFACE MODULE	Allen Bradley	1756-EN2TR	2	1
24	FUENTE PLC	19-32 VDC FUENTE DE ALIMENTACION (10Amp @ 5V)	Allen Bradley	1756-PB72	2	1
25	CHASSIS 13 SLOTS	13 SLOT CONTROLLOGIX CHASSIS	Allen Bradley	1756-A13	2	-
26	CONTROLADOR PLC	CONTROLADOR CONTROLLOGIX5572 CON 4 MB DE MEMORIA	Allen Bradley	1756-L72	1	1
27	PANELVIEW PLUS 1500	PANELVIEW PLUS 6 TERMINAL, MODELO 1500, PANTALLA TACTIL, COLOR	Allen Bradley	2711F-T15C4A8	1	-
28	PANELVIEW PLUS 6	PANELVIEW PLUS 6 TERMINAL, MODELO 600, PANTALLA TACTIL, COLOR	Allen Bradley	2711F-T6C20D8	2	-
29	SWITCH ETHERNET	STRATIX 6000SWITCH, DE NIVELDE ENTRADA GESTIONADO, 8 PUERTOS	Allen Bradley	1783-EMS08T	1	-
30	RELE DE SEGURIDAD	MONITOREO DE RELE DE SEGURIDAD - ENTRADAS Y SALIDAS, AUXILIARES 1NC	Allen Bradley	440R-N2312	3	1
31	POWER FLEX 525 - 3HP	DRIVE, CON ETHERNET INCORPORADO / IP y SEGURIDAD, 480 VCA, 3 FASES, 3 HP, 2,2 Kw	Allen Bradley	25B-D6PON114	5	1
32	POWER FLEX 525 - 1HP	DRIVE, CON ETHERNET INCORPORADO / IP y SEGURIDAD, 480 VCA, 3 FASES, 1,0 HP, 0,75 Kw	Allen Bradley	25B-D2P3N114	16	3
33	POWER FLEX 525 - 0,5HP	DRIVE, CON ETHERNET INCORPORADO / IP y SEGURIDAD, 480 VCA, 3 FASES, 0,5 HP, 0,4 kW	Allen Bradley	25B-D1P4N114	4	1
34	ETHERNET/IP TAP3 COPPER PORTS		Allen Bradley	1783-ETAP	2	1
35	ETHERNET/IP COMMUNICATION ADAPTOR - DUAL PORT		Allen Bradley	25-COMM-E2P	25	2
36	RELE 24VDC		Allen Bradley	700-HC24224	4	1
37	LLAVE SELECTORA 2 POSICIONES		Allen Bradley	800FM-KM21	1	-
38	BOTONERA DE PLASTICO GRIS, CON 6 AGUJEROS		Allen Bradley	800F-6PM	1	-
39	SENSOR INDUCTIVO		Balluff	M18MI-PSC80B-S04G	31	5
40	SENSOR DIFUSO	RETROREFLECTIVE SENSOR WITH POLARIZING FILTER	Banner	QS18VP6LV	42	8
41	SENSOR DIFUSO	RANGE: 450mm; INPUT: 10-30V DC	Banner	QS18VP6DQ8	1	1
42	SENSOR LASER DIFUSO	RANGE: 300 mm; INPUT: 10-30V DC	Banner	QS18VP6LDQ8	3	1
43	SENSOR LASER POLAR RETRO	RANGE: 0.1 to 10 m; INPUT: 10-30V DC	Banner	QS18VP6LLPQ8	2	1
44	SENSOR FOTOELECTRICO		Datalogic	S62-PA-2-C11-PN		
45	SENSOR MAGNETICO	SENSOR, SOLID STATE, DIRECT MOUNT, GROMMET CONNECTION	Festo	SME-8M-DS-24V-K0,3-MBD	6	1
46	TOMACORRIENTE	220VCA GABINETE	Cambre	6904	1	-
47	CONVERSOR SERIAL TCP-IP Y ENTRADAS - SALIDAS DIGITALES		Exemys	SSE232-1C4C-IA	2	1
48	EGW1-MB MODBUS TCP A MODBUS ASCII / RTU CONVERTIDOR		Exemys	EGW1-1C4C-IA-MB	2	1
49	SWITCH ETHERNET	5 PUERTOS	Hirschmann	SPIDER STX	1	1
50	TUBO FLUORESCENTE	ILUMINACION GABINETE	Lumenac	Micro 18	4	-
51	RELE 24VDC	RELE DE SEGURIDAD	Omron	G7SA-5A1B-DC24	6	1
52	REFRIGERACION	GABINETE	RKL	RKL32800-1M	2	-
53	INTERRUPTOR TERMOMAGNETICO	2X2A	Schneider	24332	11	1
54	INTERRUPTOR TERMOMAGNETICO	2X6A	Schneider	24335	9	1
55	INTERRUPTOR TERMOMAGNETICO	1X2A	Schneider	24396	4	1
56	INTERRUPTOR TERMOMAGNETICO	1X6A	Schneider	24399	3	1
57	INTERRUPTOR TERMOMAGNETICO	3x16A	Schneider	24350	2	1
58	VACUOSTATO		SMC	ZSE3CAF-01-F-L	8	1
59	VALVULA DE CORTE GENERAL		SMC	AV4000-04-5DZ	3	-
60	ELECTROVALVULA		SMC	SY7260-5LZ-02	22	3
61	SENSOR MAGNETICO	SENSOR, SOLID STATE, DIRECT MOUNT, GROMMET CONNECTION	SMC	D-M9B	22	3
62	INTERRUPTOR 100A		Terasaki	S125NJ100P3	1	-
63	BORNE PORTAFUSIBLE		Zoloda	BKF-SI-520-LL024	245	-
64	BORNE DE PASO 1,5		Zoloda	BKF-1.5	362	-
65	BORNE DE PASO 2,5		Zoloda	BKF-2,5	88	-
66	FUSIBLE 5X20MM. 2A				96	10
67	FUSIBLE 5X20MM. 0,25A				149	20
68	TRANSMISOR Y 3 CONTROL REMOTO		Saga	Saga-L4	1	-
69	SWITCH MECANICO		Neumann	FK-1002	4	1
70	SWITCH MECANICO		Neumann	CB-144	4	
71	MICRO SWITCH		Neumann	MPH-3R	6	

5	5	PROJECT SIDERCROM EMBALAJE	
4	4	DRAWING NO. 131	
3	3	SHEET 131 / 131	
2	2	TITLE BILL OF MATERIAL	
1	1	REV. CLIENTE REV. INT. P&F	
REVISIÓN POR		DETALLE DE	
P&F		TÍTULO	
Av. Belgrano 2272 (1661)VD Don Torcuato de Alvear Argentina		BILL OF MATERIAL	
JOB		JOB NO. 20/02/2015	
PLANT: SIDERCROM		DIVISION:	
LOCATION/ACTIVITY:			