A B C D

BCMT-2,3kV BANCO DE CAPACITORES BC-MT-SE29 - TOPOGRÁFICO -

2

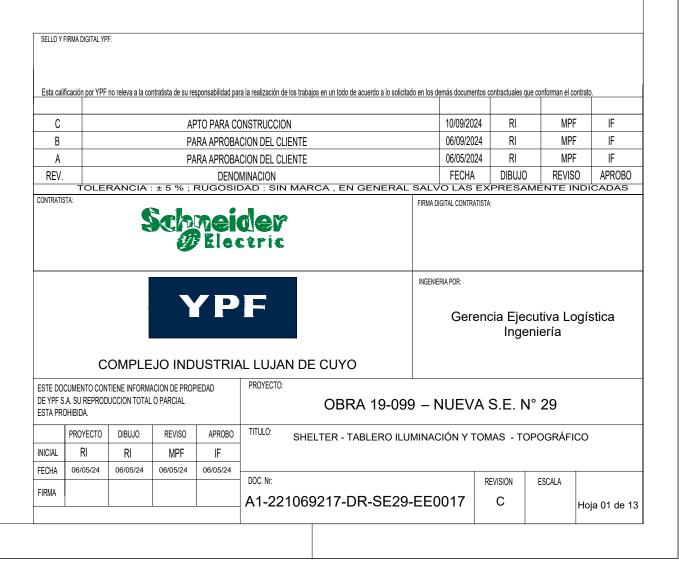
## CARACTERISTICAS CONSTRUCTIVAS:

CELDAS DE M.T. 13.2 KV - 25 KA Modelo: CB15 LI/LR CUNSTRUIDAS BAJO NORMA: IEC 62271-200 - IRAM 2200

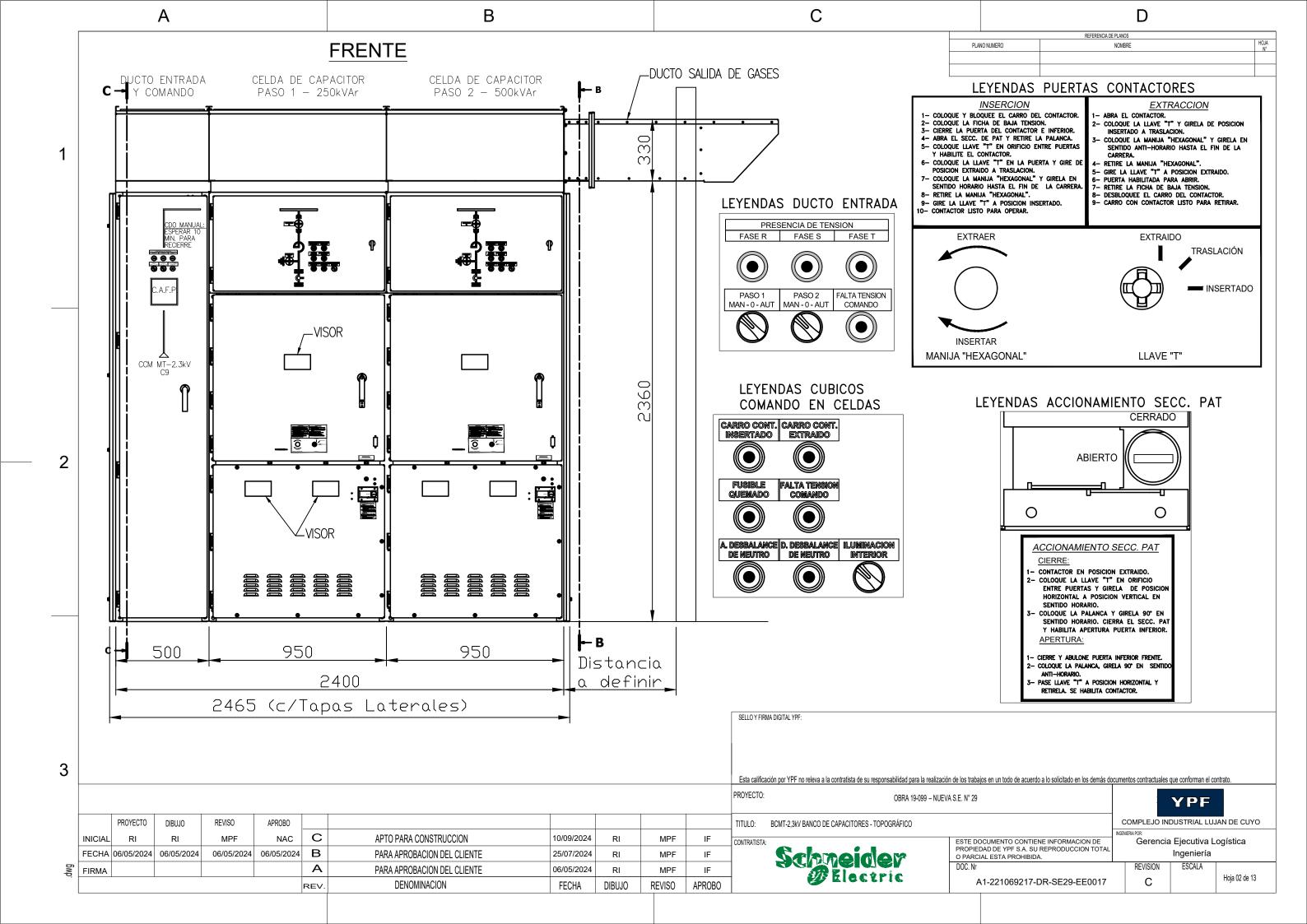
- -ESTRUCTURA DE CELDA CHAPA GALVANIZADA Z-275 Esp.2 mm (NO PINTADA).
- -PUERTAS Y TAPAS Esp. 2 mm (PINTADAS).
- -GRADO DE PROTECCION: INTERIOR IP 2X, EXTERIOR IP4X.
- -CIERRE PUERTAS FRENTE A FALLEBA.
- -CIERRE TAPAS LATERALES ABULONADAS CON BULONES G 8.8.
- -TRATAMIENTO DE CHAPA: DESENGRASADO, DESOXIDADO Y FOSFATIZADO.
- -TIPO DE PINTURA: POLIESTER EN POLVO TERMOCONVERTIBLE. COLOR ESTANDAR: GRIS RAL 7032 TEXTURADO.
- -BARRAS DE FASES AISLADAS.
- -BARRA DE TIERRA: PLATEADA CON VERDE-AMARILLO.
- -SALIDA/ENTRADA DE CABLES: INFERIOR.

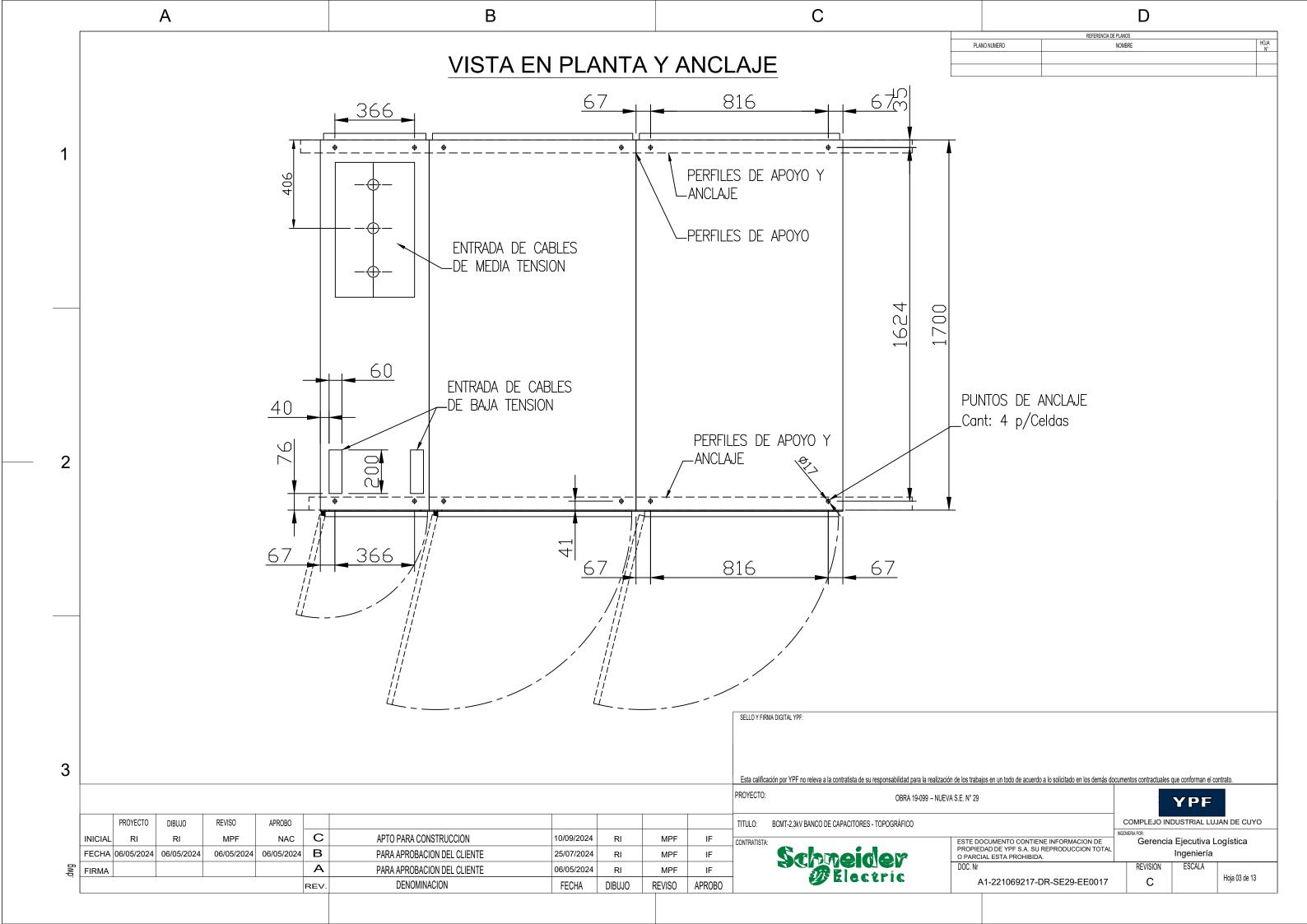
**DIMENSIONAMIENTO BARRAS Cu** 

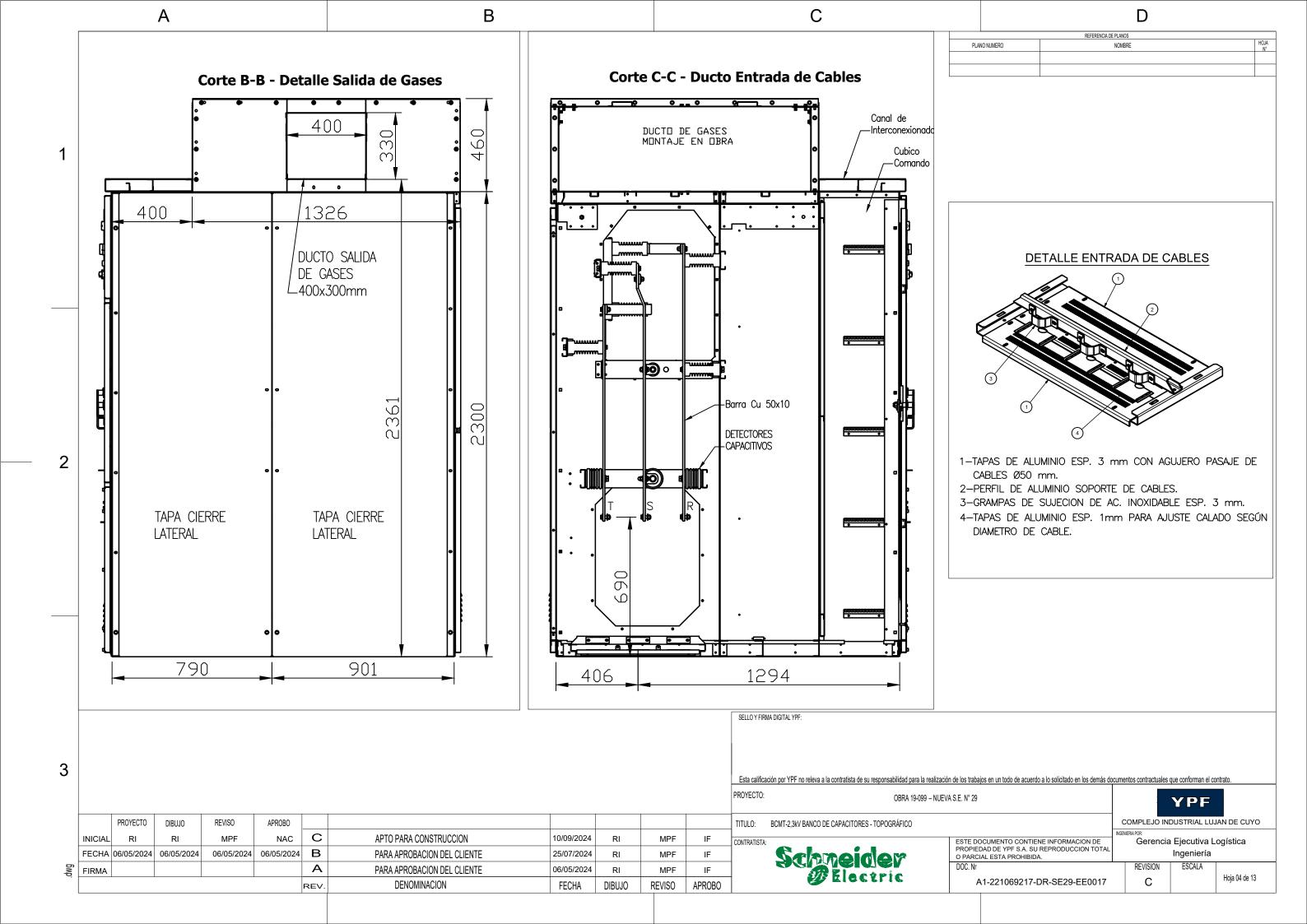
-BARRAS PRINCIPALES Cu 50x10 mm

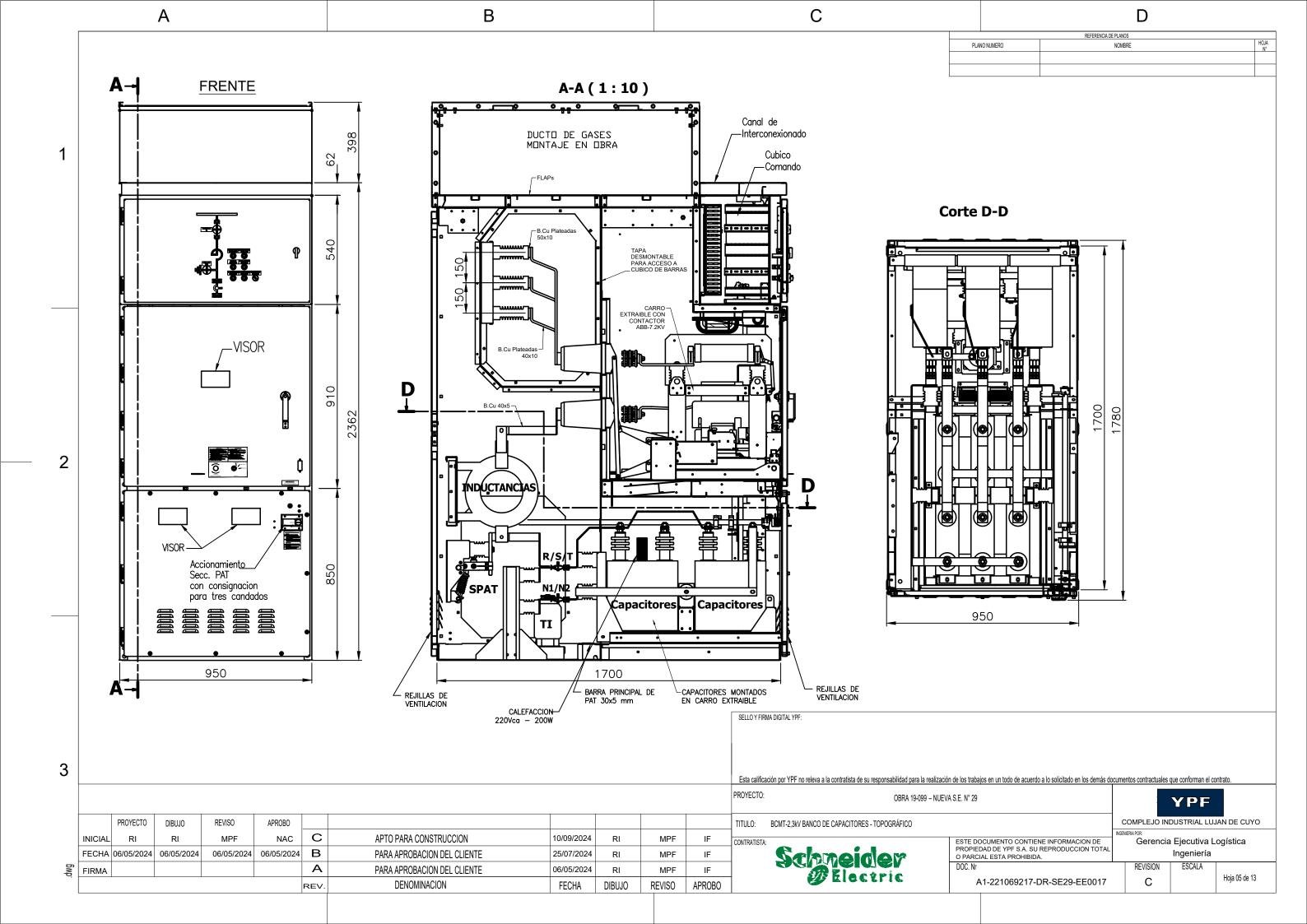


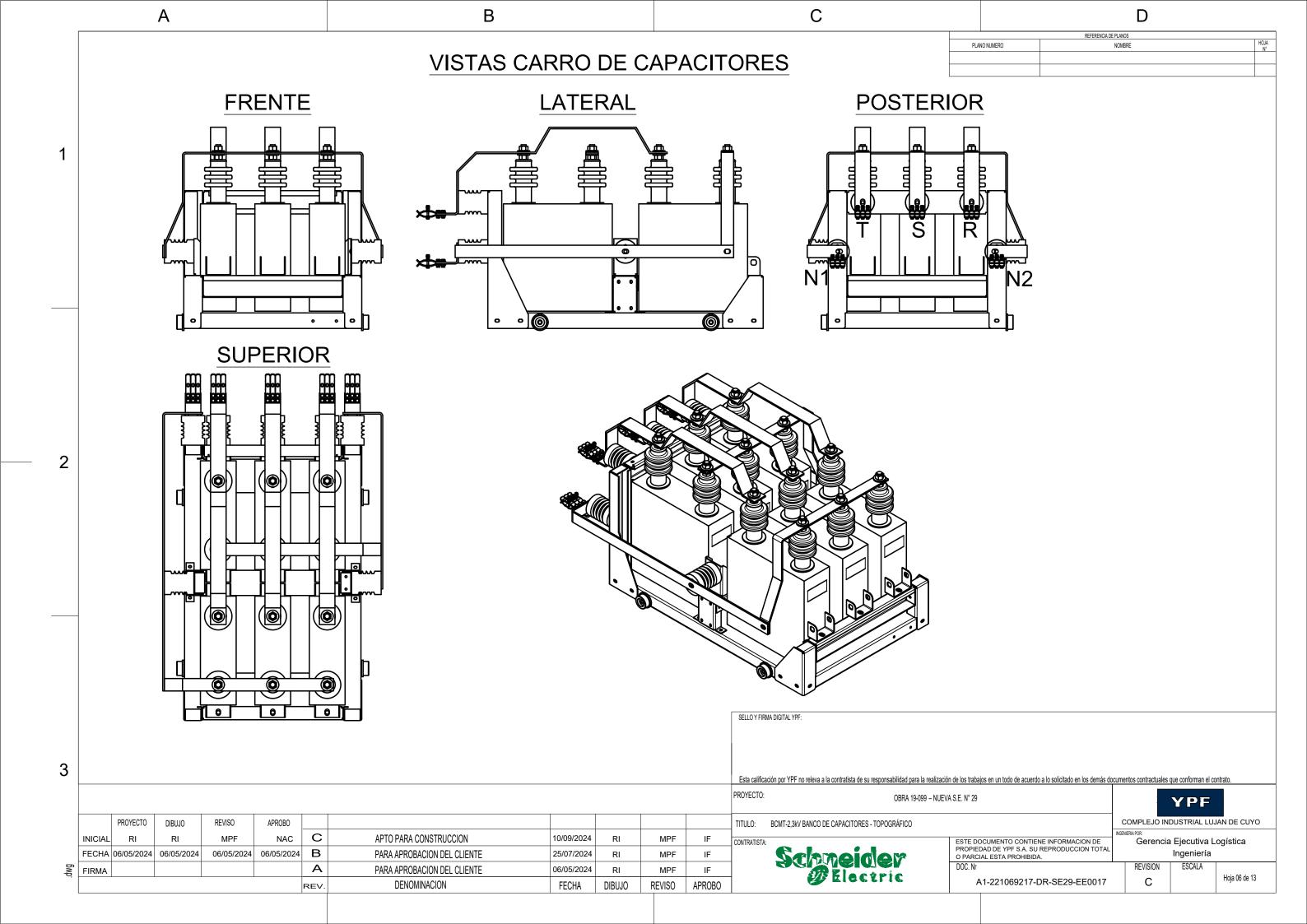
фwg

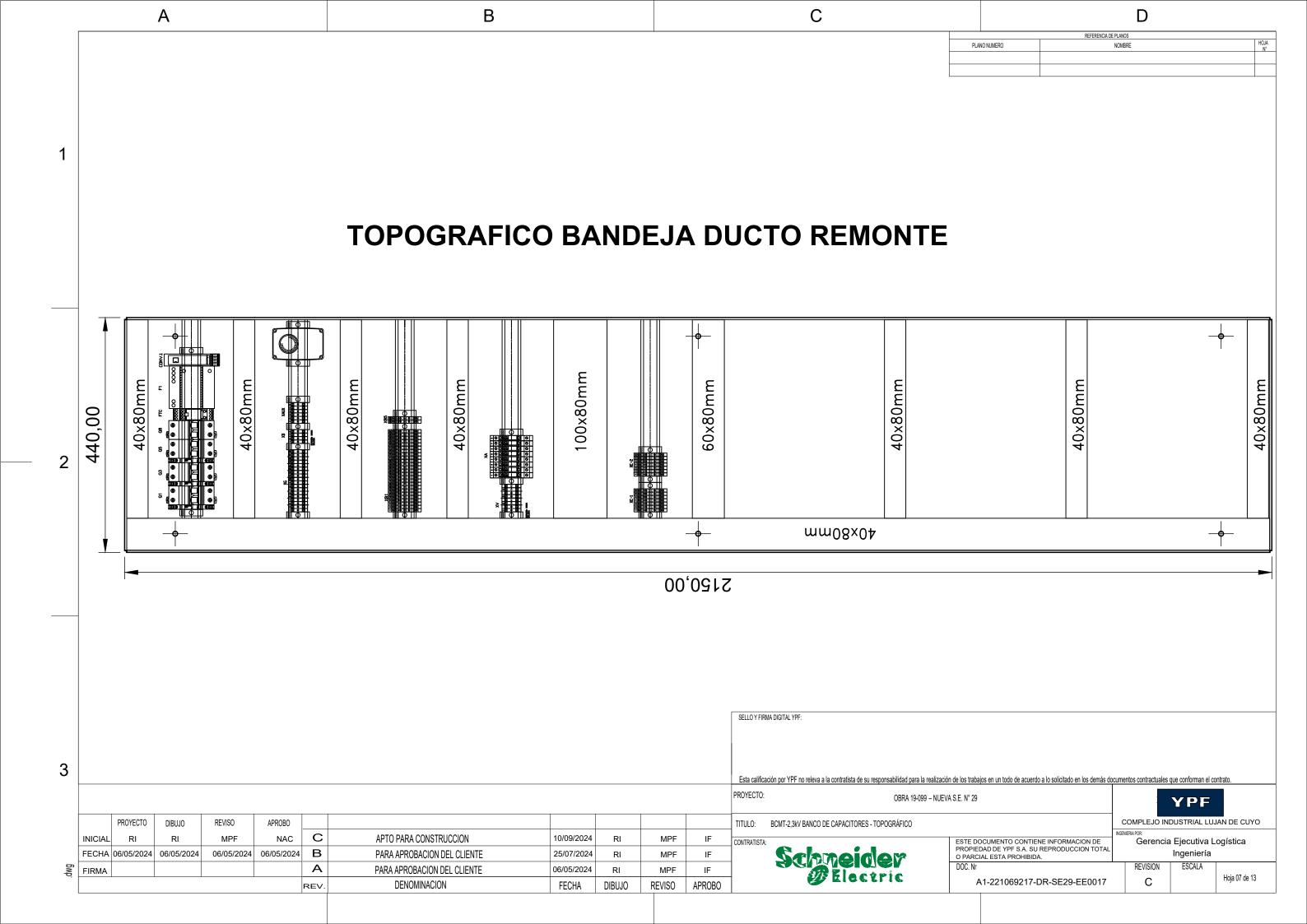


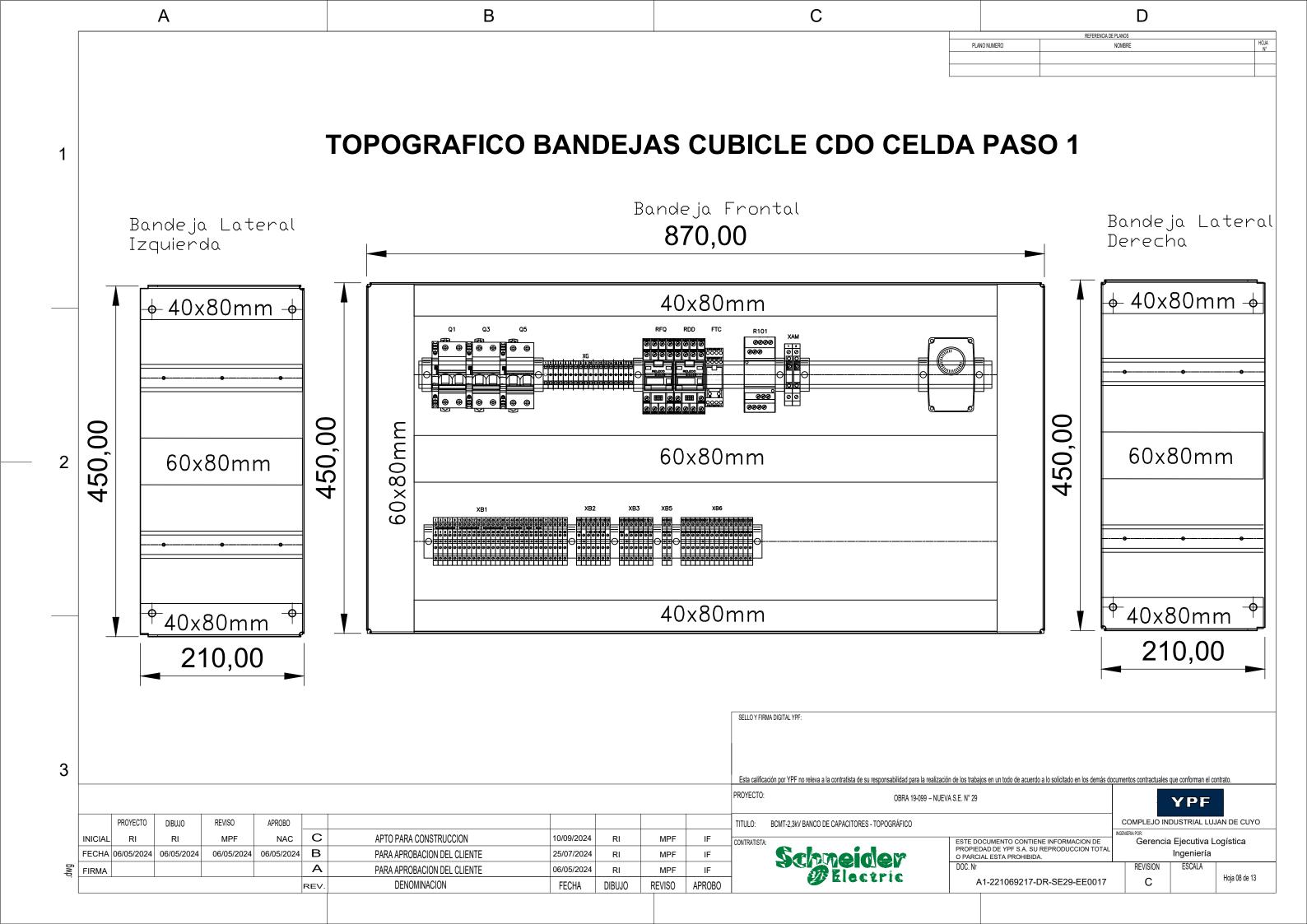


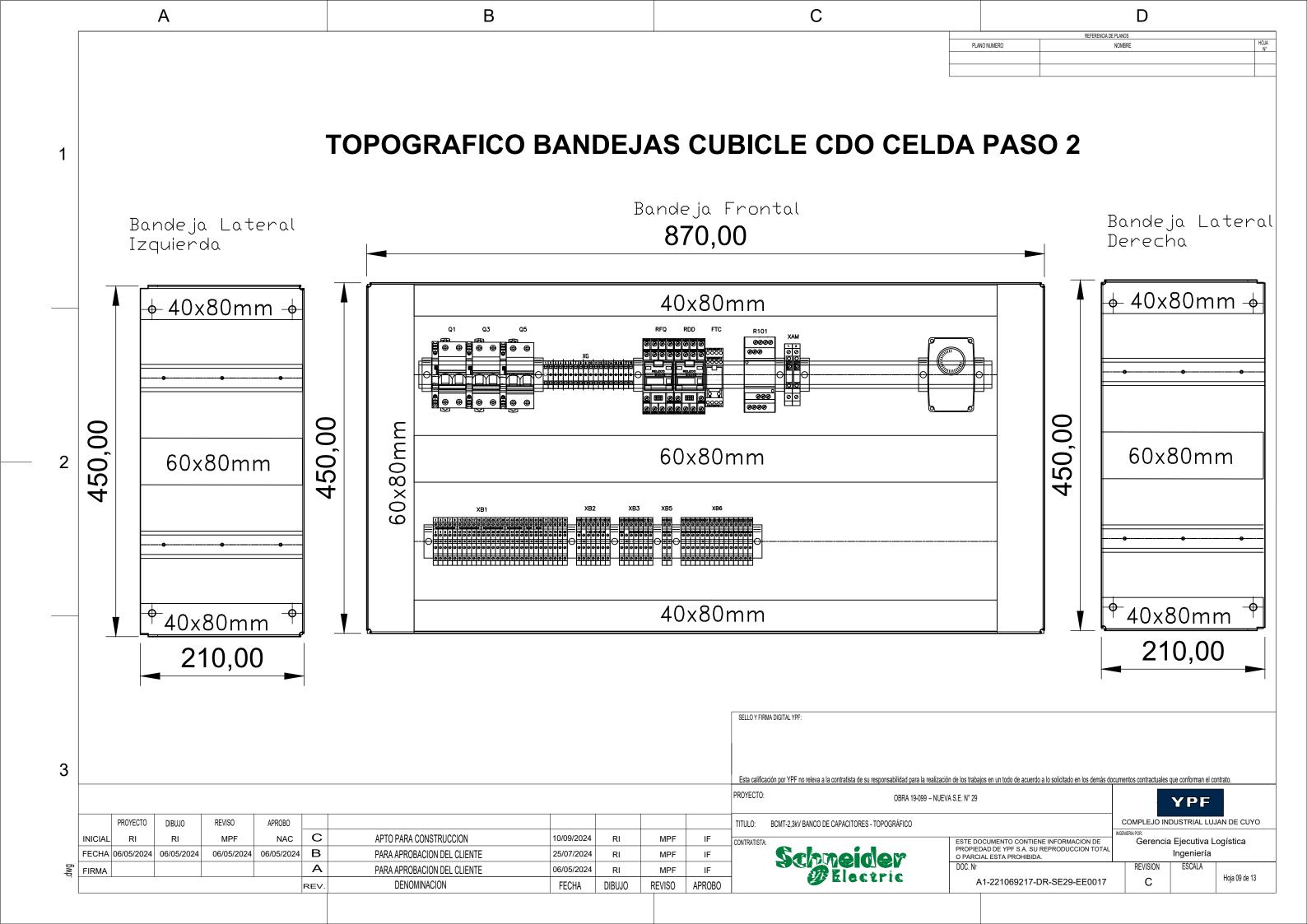












| REFERENCIA DE PLANOS |        |            |  |  |  |  |  |  |  |
|----------------------|--------|------------|--|--|--|--|--|--|--|
| PLANO NUMERO         | NOMBRE | HOJA<br>N° |  |  |  |  |  |  |  |
|                      |        |            |  |  |  |  |  |  |  |
|                      |        |            |  |  |  |  |  |  |  |

|                  |       |        |        | BO     | RNERA X | 5     |              |          |            |
|------------------|-------|--------|--------|--------|---------|-------|--------------|----------|------------|
| Dispositivo1     | Polo1 | Cable1 | Número | Puente | Cable2  | Polo2 | Dispositivo2 | Catálogo | Fabricante |
|                  |       |        | 1      | •      | (PCG)   | 1     | -Q1          | UKM4     | ZOLODA     |
|                  |       |        | 2      |        |         |       |              | UKM4     | ZOLODA     |
|                  |       |        | 3      | •      | (NCG)   | 3     | -Q1          | UKM4     | ZOLODA     |
|                  |       |        | 4      | •      |         |       |              | UKM4     | ZOLODA     |
|                  |       |        | 5      |        |         |       |              | UKM4     | ZOLODA     |
|                  |       |        | 6      |        |         |       |              | UKM4     | ZOLODA     |
|                  |       |        | 7      |        |         |       |              | UKM4     | ZOLODA     |
|                  |       |        | 8      | •      |         |       |              | UKM4     | ZOLODA     |
|                  |       |        | 9      |        | (PSG)   | 1     | -Q3          | UKM4     | ZOLODA     |
| TD-110VCC-SE29   |       |        | 10     | •      |         |       |              | UKM4     | ZOLODA     |
| AUX.DC11-Q11.13> |       |        | 11     |        | (NSG)   | 3     | -Q3          | UKM4     | ZOLODA     |
|                  |       |        | 12     | •      |         |       |              | UKM4     | ZOLODA     |
|                  |       |        |        |        |         |       |              |          |            |
|                  |       |        | 15     | •      | (PICG)  | 1     | -Q5          | UKM4     | ZOLODA     |
| .P-SE29(AUX-01)  |       |        | 16     | •      |         |       |              | UKM4     | ZOLODA     |
| Q11.8            |       |        | 17     | •      | (NICG)  | 3     | -Q5          | UKM4     | ZOLODA     |
|                  |       |        | 18     | •      |         |       |              | UKM4     | ZOLODA     |

|                      |  |               | 10          | •  |                |              |                     | UNM4               | ZULUDA               |
|----------------------|--|---------------|-------------|--|----------------|--------------|---------------------|--------------------|----------------------|
|                      |  |               |             |  |                |              |                     |                    |                      |
| Diana - 141 1        | 15.4   |               | Luc         |  | RNERA XI       |              | Di                  | Ca #41 = ==        |                      |
| Dispositivo1<br>-CFP | Polo1<br>110VCC                                  | Cable1<br>PC1 | Número<br>1 | Puente   | Cable2<br>(PC) | Polo2        | Dispositivo2<br>-Q1 | Catálogo<br>BKND04 | Fabricante<br>ZOLODA |
| S1/S2                | 3  | PC2           | 2           | <b>9</b>   | (FC)           |              | -01                 | BKND04             | ZOLODA               |
| -F1                  | +/L  | PC3           | 3           | 1  |                |              |                     |                    | ZOLODA               |
| -r 1                 | +/L  | FUS           | 4           | <del>                                     </del> |                |              |                     | BKND04             | ZOLODA               |
|                      | +  |               | 5           | <b>-</b>   |                |              |                     | BKND04             | ZULUDA               |
|                      | +  |               |             | <u> </u>   |                |              |                     | BKND04             | 701.004              |
| CED                  | 100  | NC1           | 6           | 9  | NC             | 4            | -Q1                 | BKND04             | ZOLODA<br>ZOLODA     |
| -CFP                 | 1  |               | 11          | 9  | NC             | 4            | -WI                 | BKND04             |                      |
| -XB2                 | 110  | K101          | 12          | •  | NC             |              |                     | BKND04             | ZOLODA               |
| -XB5                 | 110  | K102          | 13          | <b>P</b>   | NC(V19)        |              |                     | BKND04             | ZOLODA               |
|                      |  |               | 14          | •  |                |              |                     | BKND04             | ZOLODA               |
|                      |  |               | 15          | •  |                |              |                     | BKND04             | ZOLODA               |
| -F1                  | -/N  | NC2           | 16          |  |                |              |                     | BKND04             | ZOLODA               |
| -XB1                 | 78   | PS1           | 31          | •  | PS             | 2            | -Q3                 | BKND04             | ZOLODA               |
|                      |  |               | 32          |  |                |              |                     | BKND04             | ZOLODA               |
| -XB1                 | 82   | PS2           | 33          | •  |                |              |                     | BKND04             | ZOLODA               |
|                      |  |               | 34          | •  |                |              |                     | BKND04             | ZOLODA               |
|                      |  |               | 35          | •  |                |              |                     |                    |                      |
|                      |  |               | 36          | •  |                |              |                     |                    |                      |
| -H8                  | 0  | (NS1)         | 41          | •  | (2N)           | 4            | -Q3                 | BKND04             | ZOLODA               |
|                      |  | İ             | 42          | •  |                |              |                     | BKND04             | ZOLODA               |
|                      | 1  |               | 43          | <b>6</b>   |                |              |                     | BKND04             | ZOLODA               |
|                      |  |               | 44          | •  |                |              |                     |                    |                      |
|                      |  |               | 45          | •  |                |              |                     |                    |                      |
|                      |  |               | 46          | <u> </u>   |                |              |                     |                    |                      |
| -M1                  | t c  | (PIC1)        | 51          | •  | (PIC)          | 2            | -Q5                 | BKND04             | ZOLODA               |
| 112                  | <del>                                     </del> | (1101)        | 52          | <b>1</b>   | ··· 10/        | -            | 45                  | BKND04             | ZOLODA               |
| -T                   | С  | (PIC3)        | 53          | <b>1</b>   |                |              |                     | BKND04             | ZOLODA               |
|                      | + <del>-</del>                                   | 2007          | 54          | <b>*</b>   |                |              |                     | BKND04             | ZOLODA               |
| -L1                  | +  | (NIC1)        | 61          | •  | (NIC)          | 4            | -Q5                 | BKND04             | ZOLODA               |
| -L1                  | 1  | (14101)       | 62          | <del>                                     </del> | (1110)         | <del></del>  |                     | BKND04             | ZOLODA               |
| -L2                  | +  | (NIC3)        | 63          | <b>-</b>   | (NIC5)         |              | -R2                 | BKND04             | ZOLODA               |
|                      | +  | (NIC3)        | 64          | <del>                                     </del> | (MICO)         | <del> </del> | NL                  | BKND04             | ZOLODA               |
| 055                  | 2  | 2 0 40        | 70          |  | 2              | VDC          | E40/CEL D 44)       | BKND04             | ZDLDDA               |
| -CFP                 |  | 2 (V18)       | 70          | 9  | 2              | — XB6        | 518(CELDA1)         |                    |                      |
| <u>S1</u>            | 4  | 3             | 72          |  | 3              | VDC          | F10/0F( D 40)       | BKND04             | ZOLODA               |
| -CFP                 | 6  | 5 (V18)       | 73          | 9  | 4              | — XB6        | 518(CELDA2)         | BKND04             | ZOLODA               |
| 25                   | 4  | 6             |             | •  | 4              |              |                     | BKND04             | ZOLODA               |
|                      |  |               | 74          |  |                |              |                     |                    |                      |
|                      |  |               | 75          |  |                |              |                     |                    |                      |
|                      |  |               | 76          |  |                |              |                     |                    |                      |
|                      |  |               | 77          |  |                |              |                     |                    |                      |
| -XB1                 | PS1  | 31            | 78          | •  | 158            | — FTC        | 12                  | BKND04             | ZOLODA               |
| -FTC                 | 11   | 159           | 79          | •  | 159            | Н            | Н8                  | BKND04             | ZOLODA               |
|                      |  |               | 80          |  | 160            | — FTC        | 22                  | BKND04             | ZOLODA               |
| -FTC                 | 21   | 161           | 81          | •  |                |              |                     | BKND04             | ZOLODA               |
|                      |  |               | 82          | <b>P</b>   | 168            | 11           | −Q1                 | BKND04             | ZOLODA               |
|                      |  |               | 83          |  |                | 11           | -Q5                 | BKND04             | ZOLODA               |
| -Q1                  | 12   | 169           | 84          | •  | 169            | 12           | -Q5                 | BKND04             | ZOLODA               |
|                      |  |               | 85          |  | 170            | 11           | -Q3                 | BKND04             | ZOLODA               |
|                      |  |               | 86          | •  | 171            | 12           | -Q3                 | BKND04             | ZOLODA               |
|                      |  |               | 87          | •  |                |              |                     |                    |                      |

| BORNERA XB5   |          |         |        |            |          |          |              |           |            |  |  |
|---|----------|---------|--------|------------|----------|----------|--------------|-----------|------------|--|--|
| Dispositivo1  | Polo1    | Cable1  | Número | Puente     | Cable2   | Polo2    | Dispositivo2 | Catálogo  | Fabricante |  |  |
|   | 1 0.01   |         | 401    | •          |          |          |              | Ť         |            |  |  |
|   |          |         | 402    | •          |          |          |              |           |            |  |  |
| -T  |          | PIC3A   | 403    | Ó          | C404     |          | -R2          | BKND04    | ZOLODA     |  |  |
|   |          |         | 404    | •          |          |          |              | BKND04    | ZOLODA     |  |  |
| BORNERA XV  |          |         |        |            |          |          |              |           |            |  |  |
| Dispositivo1  | Polo1    | Cable1  | Número | Puente     | Cable2   | Polo2    | Dispositivo2 | Catálogo  | Fabricante |  |  |
| '   | 1        |         | 1      | •          | SV1      | 8        | POWER CAP    | UKM4      | ZOLODA     |  |  |
|   |          |         | -      | •          |          |          |              | UKM4      | ZOLODA     |  |  |
|   |          |         | 2      | •          | SV2      | 9        | POWER CAP    | UKM4      | ZOLODA     |  |  |
|   |          |         |        | 4          |          |          |              | UKM4      | ZOLODA     |  |  |
|   |          |         | 3      | Ó          |          |          | :            | UKM4      | ZOLODA     |  |  |
|   |          |         |        | 8          | · ·      | <u> </u> | •            | UKM4      | ZOLODA     |  |  |
|   |          |         | 4      | Ď          |          |          |              | UKM4      | ZOLODA     |  |  |
|   |          |         | '      | •          |          |          |              | UKM4      | ZOLODA     |  |  |
|   | !        |         | ļ.     | <u> </u>   | RNERA X  | <u> </u> |              |           |            |  |  |
| Dispositivo1  | Polo1    | Cable1  | Número | Puente     | Cable2   | Polo2    | Dispositivo2 | Catálogo  | Fabricante |  |  |
| 213203141401  | 1 0.01   | Cubiei  | 1      | ( )        | RI1      | 5        | POWER CAP    | BPSN-CR   | ZOLODA     |  |  |
|   |          |         | 2      | F          | RI2      | 6        | POWER CAP    | BPSN-CR   | ZOLODA     |  |  |
|   |          |         | 3      | l ě        | 1712     |          | I DWLK CHI   | BPSN-CR   | ZOLODA     |  |  |
|   |          |         | 4      | <b>L</b> ě |          |          | •            | BPSN-CR   | ZOLODA     |  |  |
|   |          |         | 5      | l ŏ        |          |          | •            | BPSN-CR   | ZOLODA     |  |  |
|   |          |         | 6      | <b>–</b> ě | <u> </u> | · ·      | •            | BPSN-CR   | ZOLODA     |  |  |
|   |          |         | 7      | H 🎳        |          |          |              | BPSN-CR   | ZOLODA     |  |  |
|   |          |         | 8      |            | TIERRA   |          |              | BPSN-CR   | ZOLODA     |  |  |
|   |          |         |        | PUD        | NERA XAL | IV       |              | DI SIV CK | 2020311    |  |  |
| Dispositivo1  | Polo1    | Cable1  | Número | Puente     | Cable2   | Polo2    | Dispositivo2 | Catálogo  | Fabricante |  |  |
| EXEMYS  | 1 1      | TRa+    | 1      | <b>®</b>   |          |          | POWER CAP    | BKND04    | ZOLODA     |  |  |
| EXEMYS  | 4        | TRa-    | ż      | ě          |          |          | POWER CAP    | BKND04    | ZOLODA     |  |  |
| EXEMYS  | <u> </u> |         | 3      | ě          | TIERRA   |          | POWER CAP    | BKND04    | ZOLODA     |  |  |
| EXEMYS  | 9        | RX(2)   | 4      | ě          |          |          | . Luzk om    | BKND04    | ZOLODA     |  |  |
| EXEMYS  | 10       | TX(3)   | 5      | ě          | <u> </u> |          |              | BKND04    | ZOLODA     |  |  |
| EXEMYS  | 8        | GND     | 6      | <u> </u>   | <u> </u> |          |              | BKND04    | ZOLODA     |  |  |
| BORNERA XD  |          |         |        |            |          |          |              |           |            |  |  |
| Dispositivo1   Polo1   Cable1   Número   Puente   Cable2   Polo2   Dispositivo2   Catálogo   Fabricante |          |         |        |            |          |          |              |           |            |  |  |
| 2.3003.41401  | 1 0001   | CUDICEL | 1      | • •        | 1DU      | 1        | H1           | UKM4      | ZOLODA     |  |  |
|   | <b>-</b> |         | 2      | •          | 1DV      | 1        | H2           | UKM4      | ZOLODA     |  |  |
|   | <b> </b> |         | 4      | •          | 1DV      | 1        | H3           | UKM4      | ZOLODA     |  |  |
|   | <b> </b> |         | 5      | 6          | 1DX      | 5        | H1/H2/H3     | UKM4      | ZOLODA     |  |  |
|   |          |         |        | Ÿ          | עתז ו    |          | חז/חב/ח3     | UNIT      | LULUDA     |  |  |

## **CELDA DE CAPACITORES DUCTO REMONTE**

Esta calificación por YPF no releva a la contratista de su responsabilidad para la realización de los trabajos en un todo de acuerdo a lo solicitado en los demás documentos contractuales que conforman el contrato PROYECTO: OBRA 19-099 - NUEVA S.E. N° 29 YPF COMPLEJO INDUSTRIAL LUJAN DE CUYO PROYECTO DIBUJO **REVISO** APROBO TITULO: BCMT-2,3kV BANCO DE CAPACITORES - TOPOGRÁFICO C APTO PARA CONSTRUCCION 10/09/2024 INICIAL MPF NAC RI MPF IF ESTE DOCUMENTO CONTIENE INFORMACION DE PROPIEDAD DE YPF S.A. SU REPRODUCCION TOTAL O PARCIAL ESTA PROHIBIDA. CONTRATISTA: Gerencia Ejecutiva Logística Schneider Electric В FECHA 06/05/2024 06/05/2024 06/05/2024 06/05/2024 PARA APROBACION DEL CLIENTE 25/07/2024 Ingeniería REVISION Α PARA APROBACION DEL CLIENTE 06/05/2024 IF MPF FIRMA Hoja 10 de 13 A1-221069217-DR-SE29-EE0017 DENOMINACION FECHA DIBUJO **REVISO APROBO** 

SELLO Y FIRMA DIGITAL YPF:

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