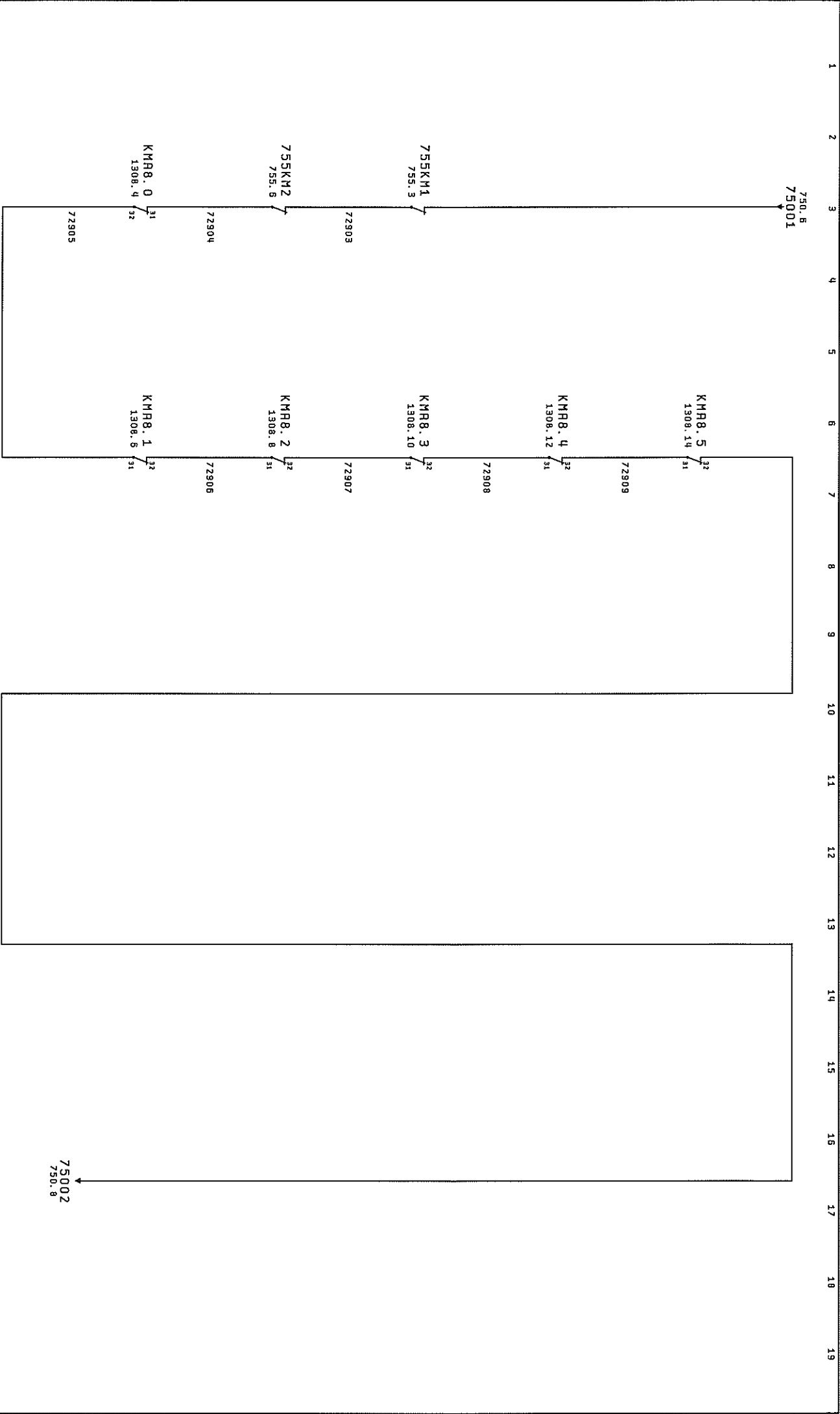
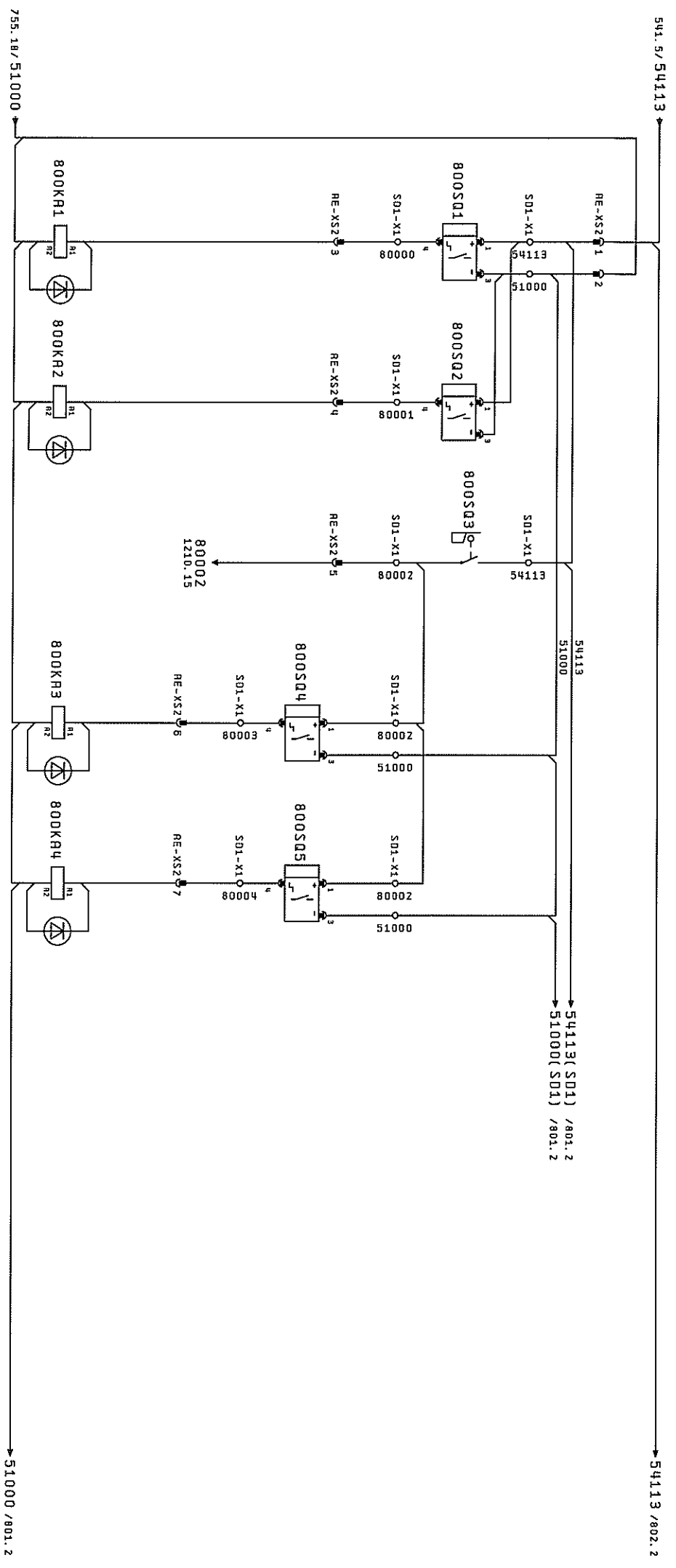




|                    |  |                  |  |                       |  |                        |  |                        |  |                             |  |             |  |           |  |
|--------------------|--|------------------|--|-----------------------|--|------------------------|--|------------------------|--|-----------------------------|--|-------------|--|-----------|--|
| SCHEMA REV. 02     |  | DATA 12.10.2012  |  | FIR                   |  | ENER                   |  | BASAMENTO MOTORE       |  | SICUREZZA MOVIMENTI         |  | 015. N°:    |  | -         |  |
| REVISIONE F00110   |  | DISIGN. TEKNOFLR |  | ENGINE & TRANSMISSION |  | TRI-OP155 LINEA TRASP. |  | TRI-OP155 LINEA TRASP. |  | TRASPORTO CAR./SCAR. FINITI |  | 4562-SEL001 |  | +         |  |
| 01                 |  | VISTO            |  | TEKNOFLR              |  | MANUFACTURING          |  | TR1-OP155 LINEA TRASP. |  | TRASP. FINITI               |  | COMMESSA:   |  | FG. 759   |  |
| VIA G. PANUNZIO, 5 |  | RPR.             |  | EPLAN 5.75            |  | Prato Plant            |  | ASSEMBLY PORTALI OP155 |  |                             |  | 4562        |  | F.S. 800  |  |
| TORINO - ITALIA    |  |                  |  |                       |  |                        |  |                        |  |                             |  |             |  | dt. 10104 |  |



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19



DOSATORE  
DS1  
CHIUSO

DOSATORE  
DS1  
APERTO

TAVOLA  
GIREVOLE  
TG1  
CAMM  
IN FASE

TAVOLA  
GIREVOLE  
TG1  
POSIZ. 0°

TAVOLA  
GIREVOLE  
TG1  
POSIZ. 90°

11 14 1210.3  
21 22 1303.8

11 14 1210.5  
21 22 1303.6

11 14 1210.11  
21 22 1303.16

11 14 1210.13  
21 22 1303.14

|                  |  |                    |  |                            |  |                         |  |                    |  |                    |  |
|------------------|--|--------------------|--|----------------------------|--|-------------------------|--|--------------------|--|--------------------|--|
| SCHEMA REV. 02   |  | DATA 12.10.2012    |  | ENGR ENGINE & TRANSMISSION |  | BASSAMENTO MOTORE       |  | CIRCUITI AUSILIARI |  | Dis. N°:           |  |
| REVISIONE FOGLIO |  | DISEGN. TEKNOLOGIA |  | MANUFACTURING              |  | TRI-DP155 LINEA TRASP.  |  | FINECORSO SU RELE  |  | 4562-SEL001        |  |
| 00               |  | VISTO TEKNOLOGIA   |  | Prato Plant                |  | ASSERVIM. PORTILI DP155 |  |                    |  | Compresso:         |  |
|                  |  | APPR.              |  | EPLAN 5.75                 |  | Matr. 20.277            |  |                    |  | 4562               |  |
|                  |  |                    |  |                            |  |                         |  |                    |  | Fg. 800            |  |
|                  |  |                    |  |                            |  |                         |  |                    |  | F.S. 801 di: 10104 |  |

teknoalfa  
Via G. D'Annunzio, 6  
10092 BERNASCO  
TORINO-ITALIA

FAT  
ENGINE & TRANSMISSION  
MANUFACTURING  
Prato Plant

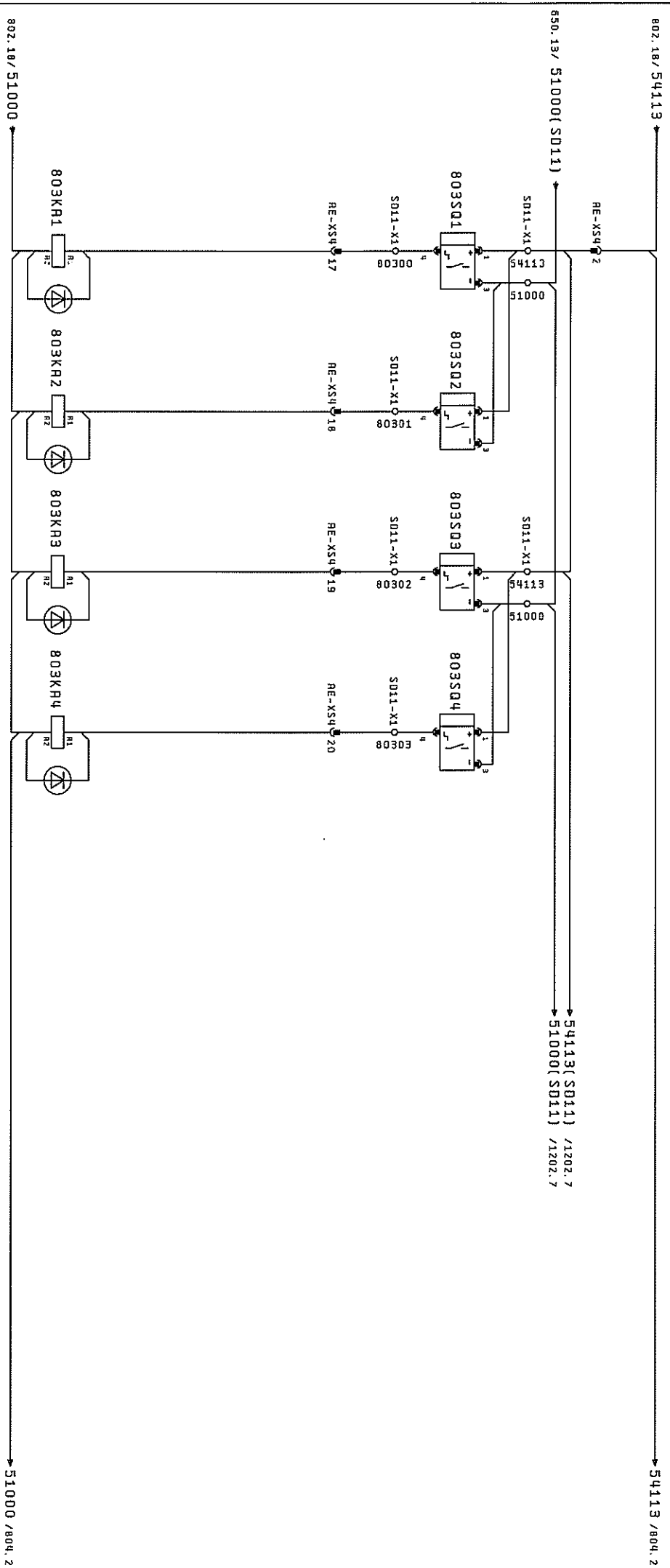
BASSAMENTO MOTORE  
TRI-DP155 LINEA TRASP.  
ASSERVIM. PORTILI DP155

CIRCUITI AUSILIARI  
FINECORSO SU RELE





1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

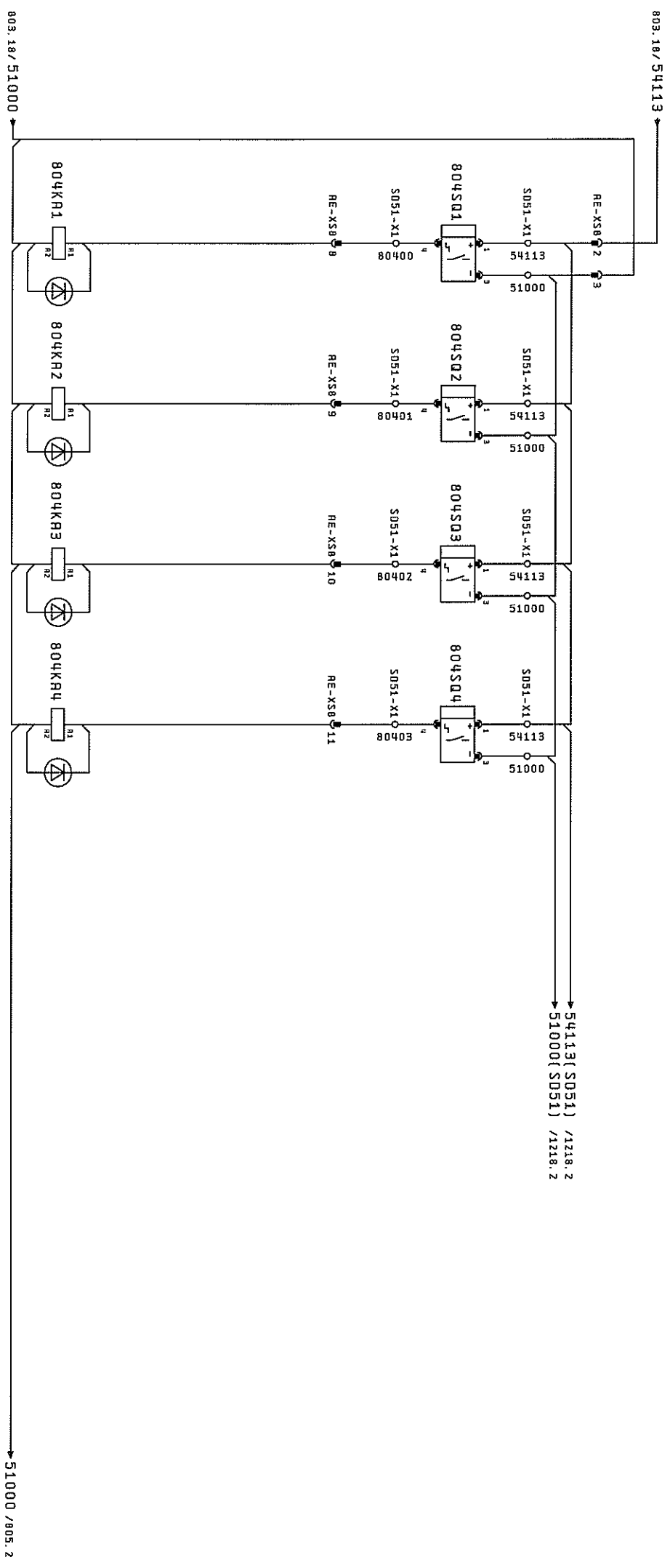


DOSATORE DS2 CHIUso  
DOSATORE DS2 APERTO  
DOSATORE DS4 CHIUso  
DOSATORE DS4 APERTO

11 - 14 1213.9 11 - 14 1213.11 11 - 14 1214.5 11 - 14 1214.7  
21 - 22 1307.8 21 - 22 1307.8 21 - 22 1307.12 21 - 22 1307.10

|                                                    |  |                    |  |                           |  |                                                                  |  |                                       |  |                      |  |                    |  |
|----------------------------------------------------|--|--------------------|--|---------------------------|--|------------------------------------------------------------------|--|---------------------------------------|--|----------------------|--|--------------------|--|
| SCHEMA REV. 02                                     |  | DATA 12.10.2012    |  | FIR ENGINE & TRANSMISSION |  | BASSAMENTO MOTORE TRI-OP155 LINEA TRASP. RASSEVIN. PORTILI OP155 |  | CIRCUITI AUSILIARI FINECORSO SU RELE' |  | Dis. N°: 4562-SEL001 |  | + FG. 803          |  |
| REVISIONE F00G10                                   |  | DESIGN. TEKNOLOGIA |  | MANUFACTURING             |  | TRI-OP155 LINEA TRASP. RASSEVIN. PORTILI OP155                   |  | FINECORSO SU RELE'                    |  | Commissa: 4562       |  | F.S. 804 dt: 10104 |  |
| Via G. DANNUZZIO, 5 10092 BEINASCO TORINO - ITALIA |  | VISTO              |  | TEKNOLOGIA                |  | Prato Plant                                                      |  |                                       |  |                      |  |                    |  |
| RPPA.                                              |  |                    |  | EPLAN 5.75                |  | Matr.                                                            |  | 20.277                                |  |                      |  |                    |  |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19



DOSATORE DS51 CHIUSO

DOSATORE DS51 APERTO

DOSATORE DS52 CHIUSO

DOSATORE DS52 APERTO

11 - 14 1218.3 21 - 22 1308.8

11 - 14 1218.5 21 - 22 1308.8

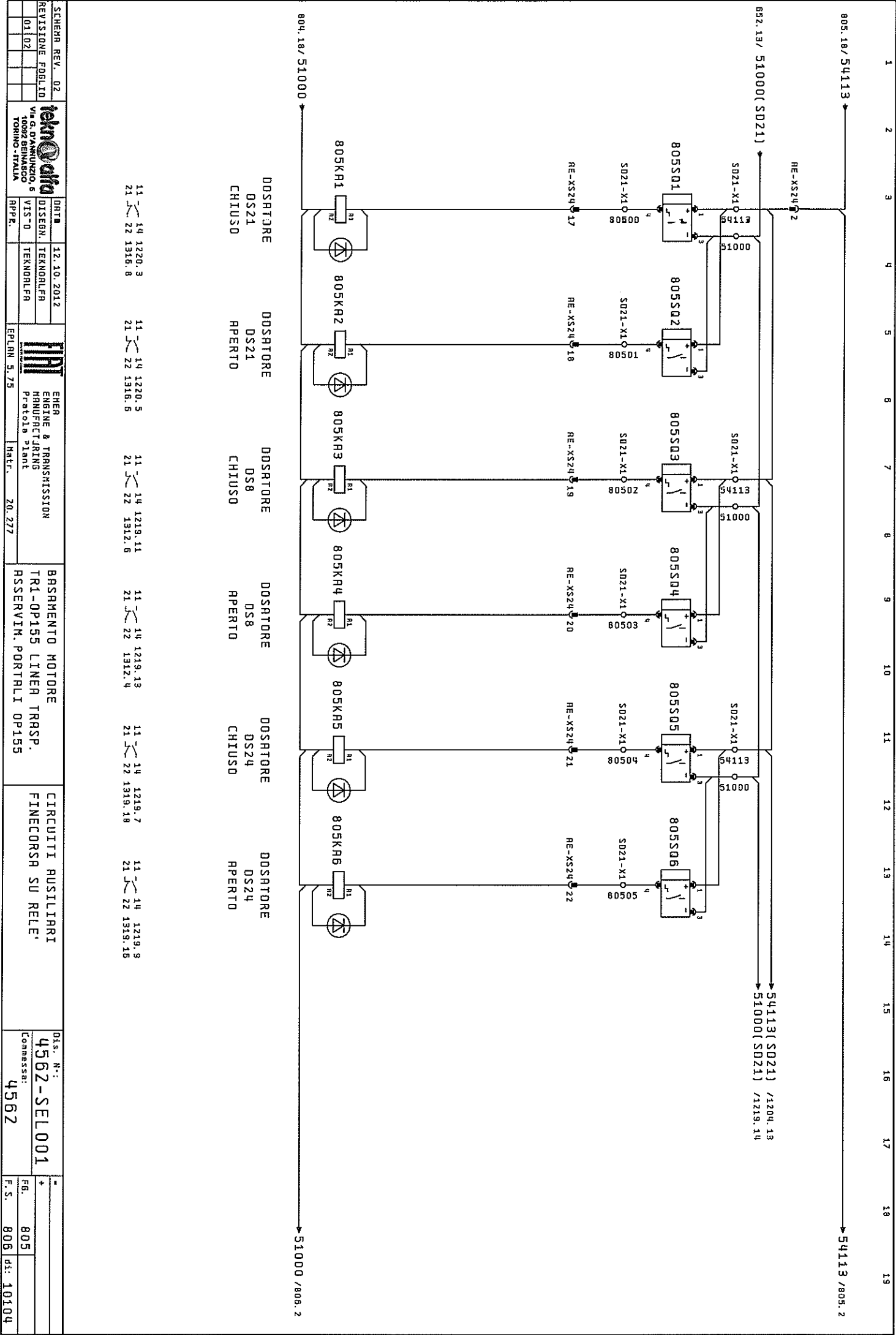
11 - 14 1218.13 21 - 22 1308.14

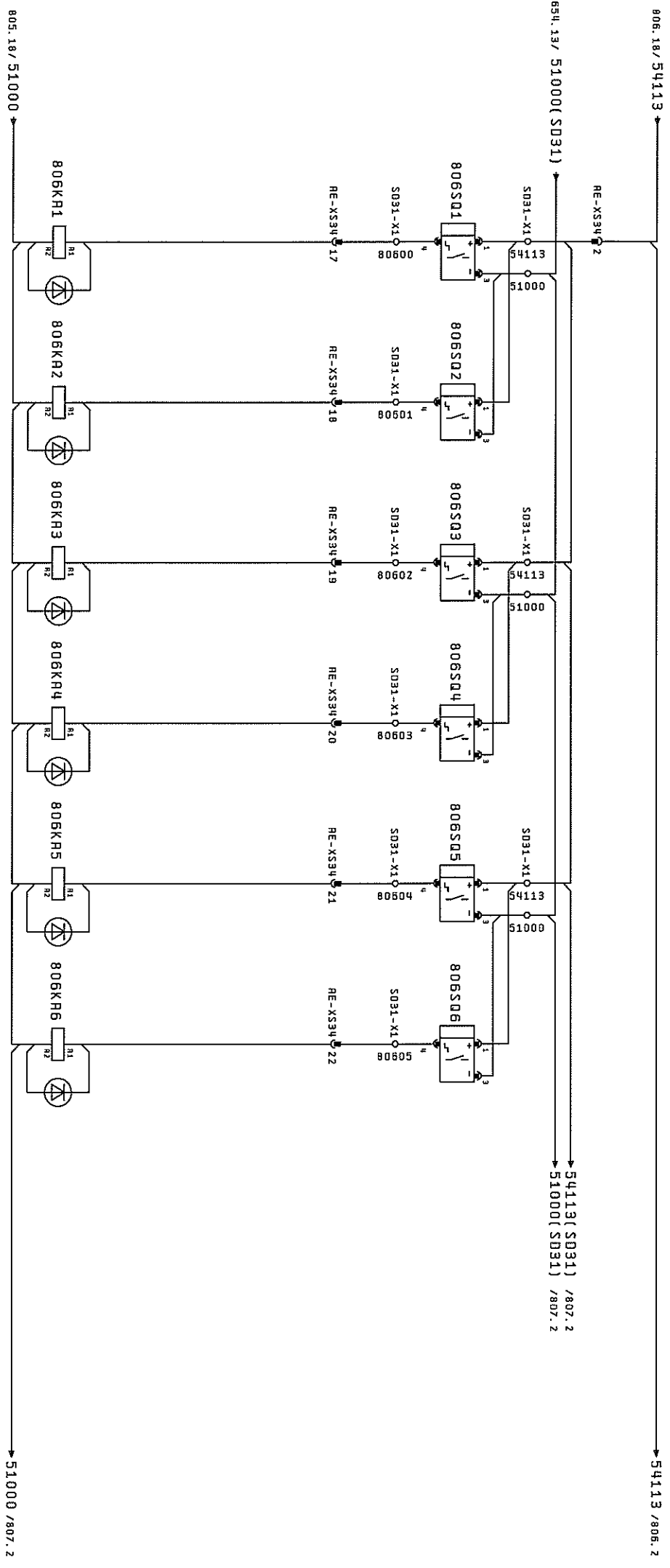
11 - 14 1218.15 21 - 22 1308.12

|                  |  |                    |  |                                                                  |  |                      |  |                    |  |
|------------------|--|--------------------|--|------------------------------------------------------------------|--|----------------------|--|--------------------|--|
| SCHEMA REV. 02   |  | DATA 12.10.2012    |  | BASMAMENTO MOTORE TRI-OP155 LINEA TRASP. BSSERVIM. PORTILI OP155 |  | Dis. N°: 4562-SEL001 |  | -                  |  |
| REVISIONE F00L10 |  | DESIGN. TEKNOLOGIA |  | CIRCUITI AUSILIARI FINECORSIA SU RELE'                           |  | Commissa: 4562       |  | +                  |  |
| 00               |  | VISTO              |  | PRATOIA PLANT                                                    |  | 4562                 |  | Fb. 804            |  |
| 01               |  | RPPR.              |  | MATER. 20.277                                                    |  |                      |  | F.S. 805 dt. 10104 |  |

teknica  
Via G. D'Annunzio, 6  
10092 BEINASCO  
TORINO - ITALIA

ENER ENGINE & TRANSMISSION  
MANUFACTURING  
Pratoia Plant





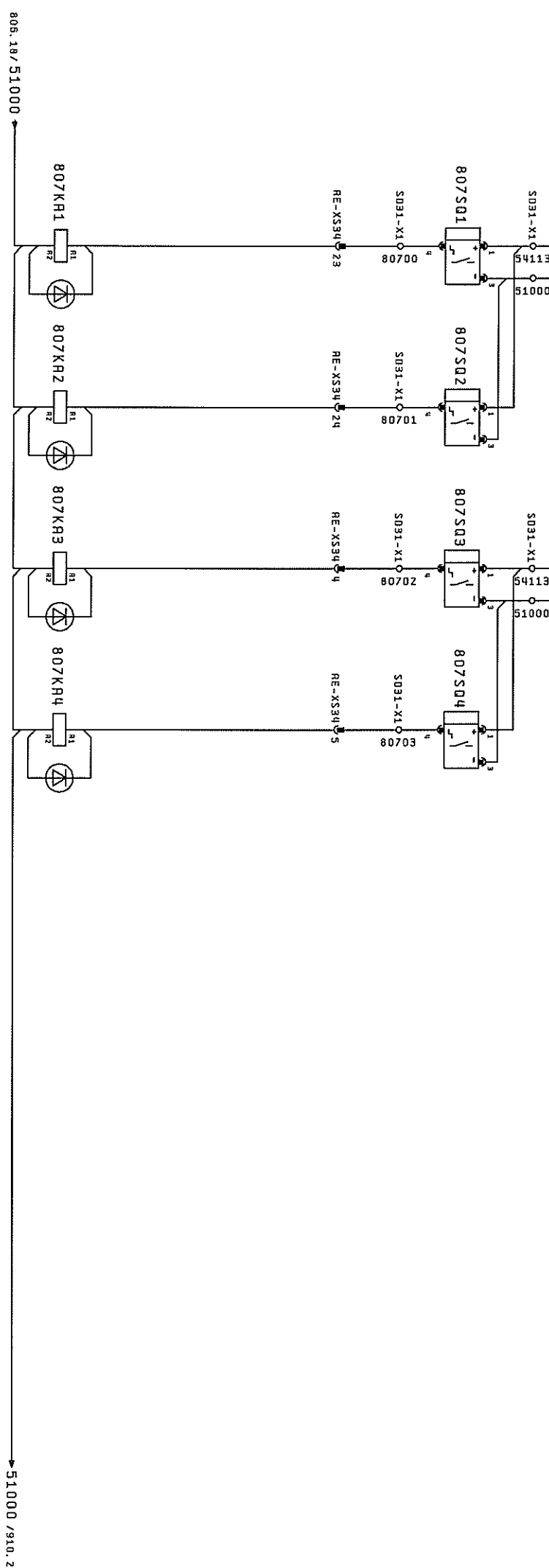
| DOSATORE | DOSATORE | DOSATORE | DOSATORE | DOSATORE | DOSATORE |
|----------|----------|----------|----------|----------|----------|
| DS31     | DS31     | DS33     | DS33     | DS34     | DS34     |
| CHIUSO   | APERTO   | CHIUSO   | APERTO   | CHIUSO   | APERTO   |

|                |                |                |                 |                 |                 |
|----------------|----------------|----------------|-----------------|-----------------|-----------------|
| 11 - 14 1228.3 | 11 - 14 1226.5 | 11 - 14 1230.3 | 11 - 14 1230.5  | 11 - 14 1230.11 | 11 - 14 1230.13 |
| 21 - 22 1320.8 | 21 - 22 1320.6 | 21 - 22 1321.4 | 21 - 22 1320.18 | 21 - 22 1321.8  | 21 - 22 1321.6  |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

807.18/ 54113 → 54113 / 807.2

806.15/ 54113(S031) → 54113(S031) /1224.11  
806.15/ 51000(S031) → 51000(S031) /1228.3



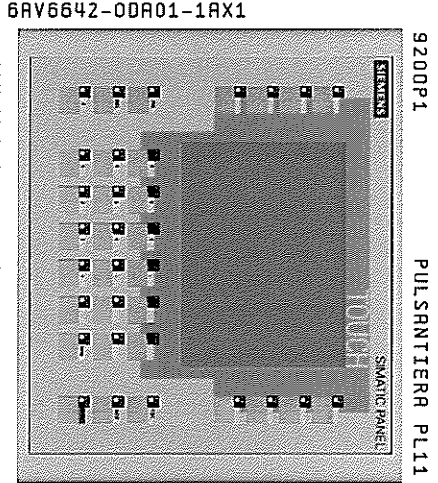
DOSATORE DS35 DOSATORE DS35 DOSATORE DS23 DOSATORE DS23  
CHIUSO APERTO CHIUSO APERTO

11 - 14 1231.3 11 - 14 1231.5 11 - 14 1231.9 11 - 14 1231.11  
21 - 22 1323.14 21 - 22 1323.12 21 - 22 1317.6 21 - 22 1317.4

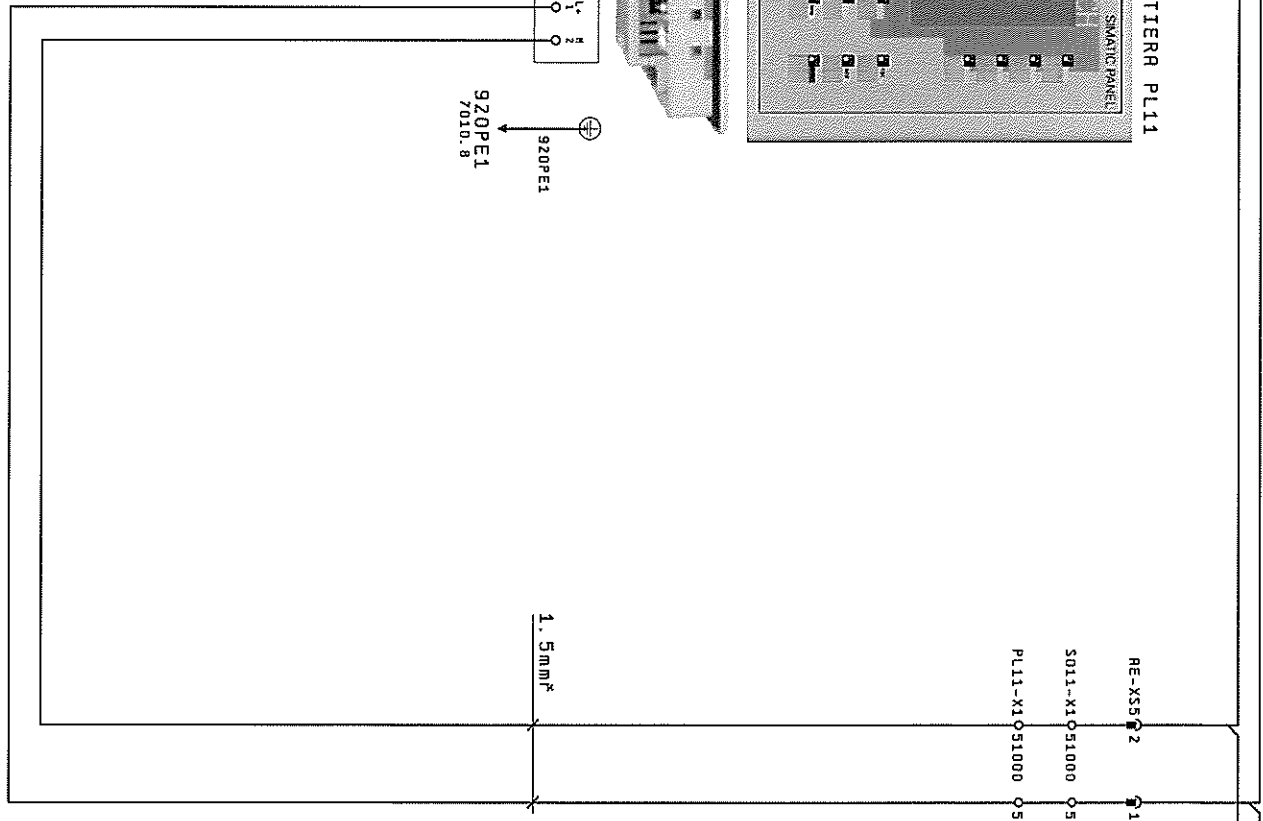
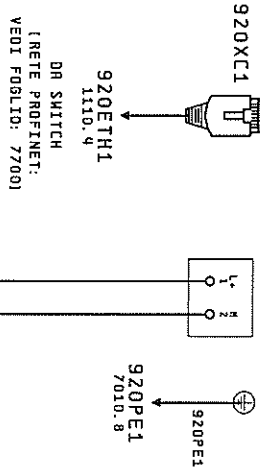
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|------------------|--|--------------------|--|-----------------------|--|-------------------------|--|--------------------|--|-------------|--|-----------|--|
| SCHEM. REV. 02   |  | DATA 12.10.2012    |  | ELEN                  |  | BRASAMENTO MOTORE       |  | CIRCUITI AUSILIARI |  | Dis. N°:    |  | -         |  |
| REVISIONE FOLGLO |  | DISEGN. TEKNOLOGIA |  | ENGINE & TRANSMISSION |  | TR1-OP155 LINER TRASP.  |  | FINECORSO SU RELE' |  | 4562-SEL001 |  | +         |  |
| 02               |  | VISTO TEKNOLOGIA   |  | MANUFACTURING         |  | ASSERVIM. PORTALI OP155 |  |                    |  | Compresso:  |  | F6. 807   |  |
| TEKNOLOGIA       |  | RPR.               |  | Pratoia Plant         |  |                         |  |                    |  | 4562        |  | F.S. 910  |  |
| TORINO - ITALIA  |  |                    |  | EPLAN 5.75            |  | Hafr.                   |  |                    |  | 20.277      |  | di: 10104 |  |



|              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |               |
|--------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|---------------|
| 1            | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19            |
| 910.18/54161 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | 54161 / 930.2 |
| 910.18/51000 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | 51000 / 930.2 |

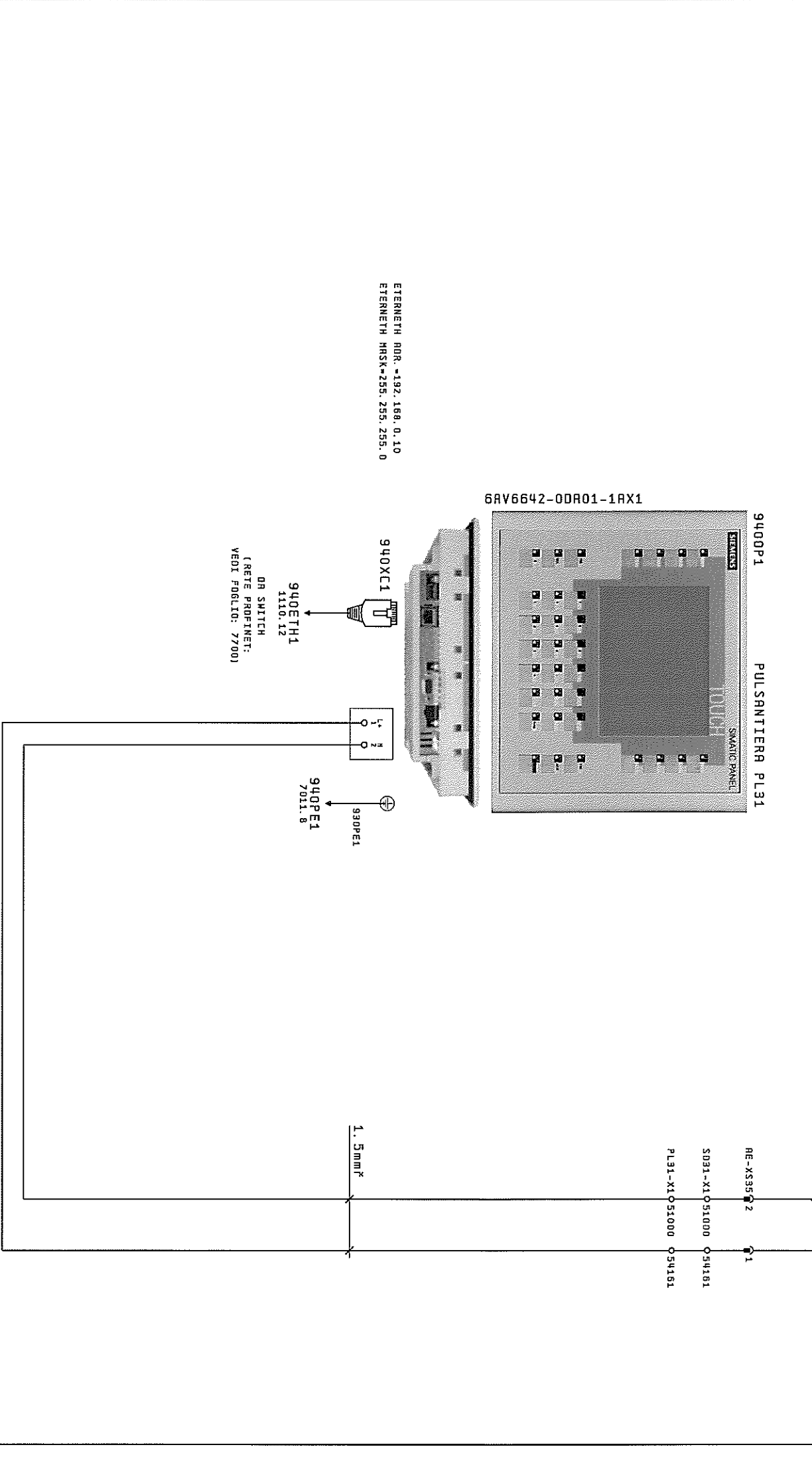


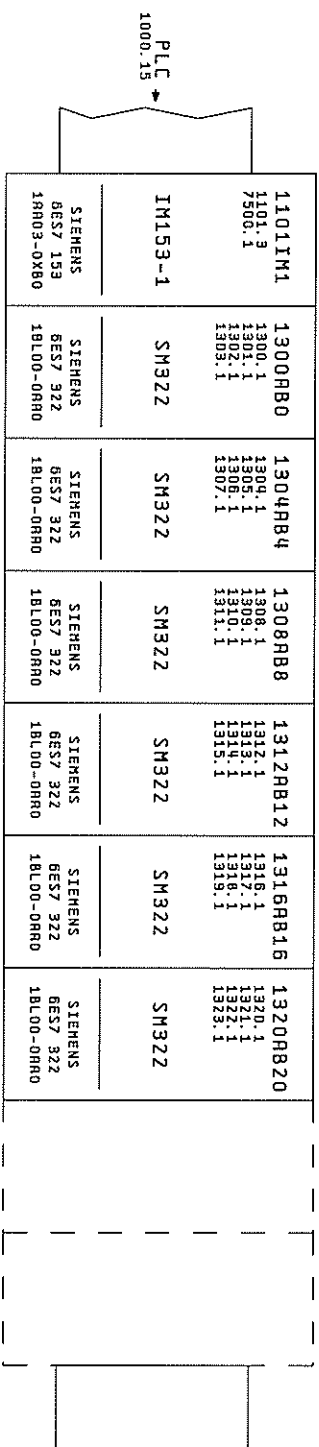
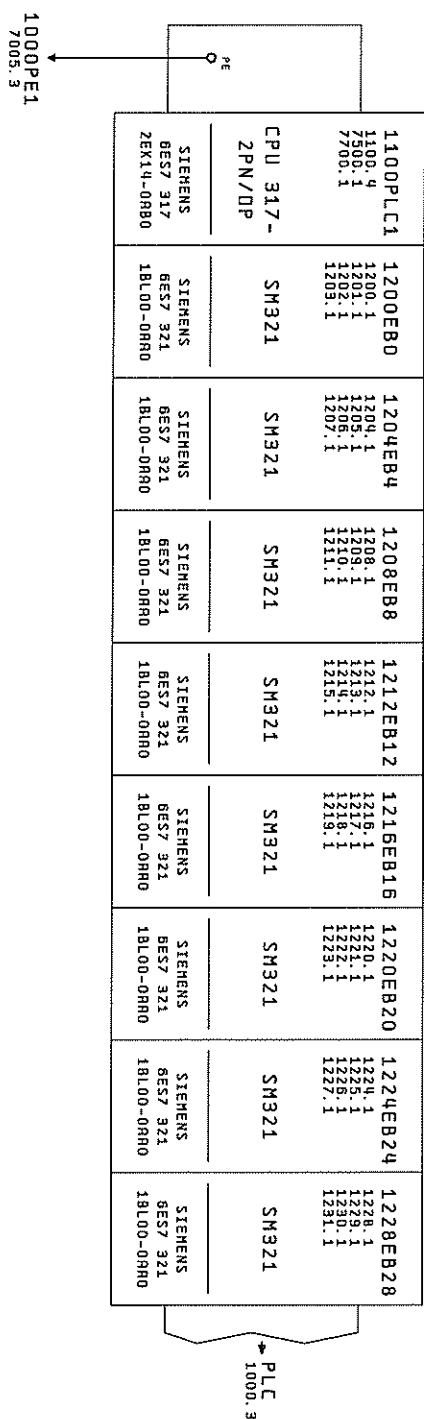
ETHERNET RSR. -192.168.0.10  
ETHERNET MRSK-255.255.0



|                                                                                   |                                               |  |                                                                 |                                        |                                        |                                    |
|-----------------------------------------------------------------------------------|-----------------------------------------------|--|-----------------------------------------------------------------|----------------------------------------|----------------------------------------|------------------------------------|
| SCHEMA REV. 02                                                                    | DATA 12.10.2012                               |  | BASAMENTO MOTORE TR1-OP155 LINEA TRASP. ASSERVIM. PORTALI OP155 | PANNELLO OPERATORE SU PULSANTIERA PL11 | Dis. N°: 4562-SEL001<br>Commessa: 4562 | +<br>F8. 920<br>F.S. 930 dt. 10104 |
| REVISIONE FOGLIO 001<br>Via G. D'Annunzio, 5<br>10092 BEINASCO<br>TORINO - ITALIA | DISSEG. TECNOL.FR<br>VISTO TECNOL.FR<br>RPPR. |  |                                                                 |                                        |                                        |                                    |







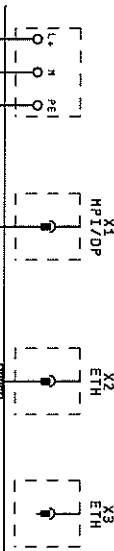
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

1100PLC1  
1000.4

PROFIBUS RDR.-2  
ETHERNETH RDR.-192.168.0.2  
ETHERNETH MRSK-255.255.255.0

CPU SIEMENS 317-2 PN/DP

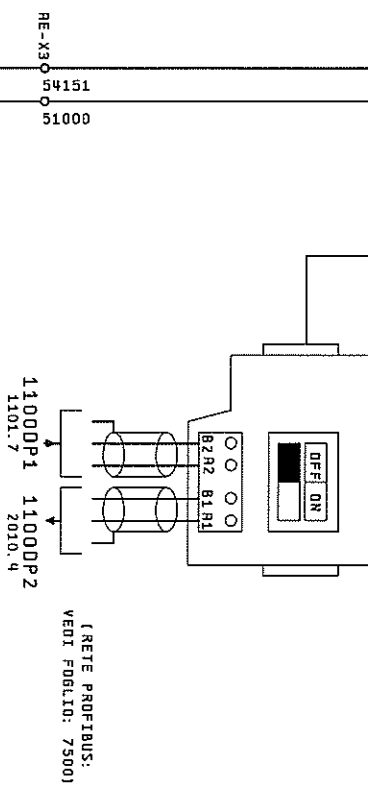
6ES7317-2EK14-0RB0



1100PE1  
7005.4

1100ETH1  
(RETE PROFIBUS:  
VEDI FOGLIO: 7510)  
1110.4

1100XC1



1100P1 1100P2  
1101.7  
(RETE PROFIBUS:  
VEDI FOGLIO: 7500)

RE-X3  
54151  
51000

541.15/54151 → 54151 /1101.2  
940.18/51000 → 51000 /1101.2

|                                                                             |                   |                            |                         |                   |                     |           |
|-----------------------------------------------------------------------------|-------------------|----------------------------|-------------------------|-------------------|---------------------|-----------|
| SCHEMA REV. 02                                                              | DATA 12.10.2012   | EMER ENGINE & TRANSMISSION | BASAMENTO MOTORE        | ALIMENTAZIONE PLC | D.S. N. 4562-SEL001 | +         |
| REVISIONE FOGLIO                                                            | DISEGN. TECNOL.FR | MANUFACTURING              | TRI-OP155 LINER TRASP.  | SIEMENS S7-300    | Commissio: 4562     | FG. 1100  |
| 00 02                                                                       | VISTO TECNOL.FR   | Prato Plant                | ASSERVIM. PORTALI OP155 |                   |                     | F.S. 1101 |
| <b>teknika</b><br>VIA G. D'ANNUNZIO, 5<br>10092 BEINASCO<br>TORINO - ITALIA |                   |                            |                         |                   |                     | dt. 10104 |
| <b>ERT</b><br>EPLAN 5.75                                                    |                   |                            |                         |                   |                     |           |

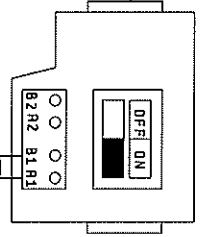
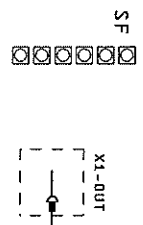
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

1101IM1  
1000.4

IM153-1

(RETE PROFIBUS:  
VEDI FOGLIO: 7500)

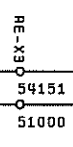
1100XC1



SIEMENS

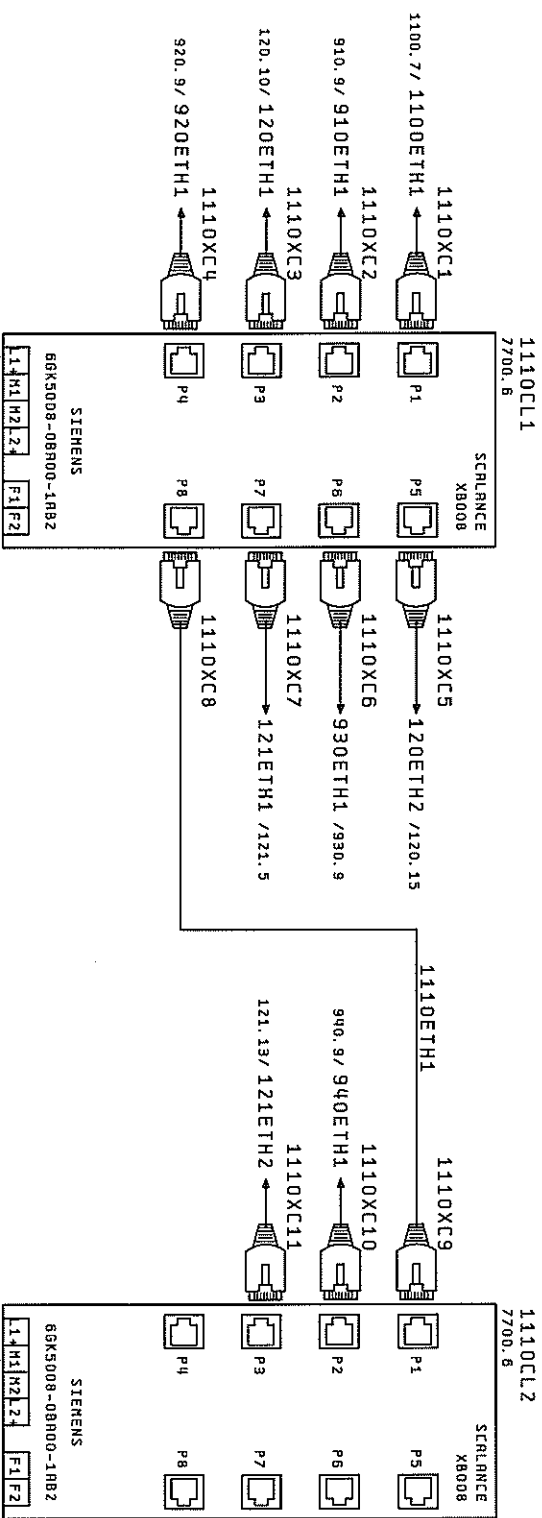
6ES7153-1AA03-0X80

1100DP1  
1100.7  
(RETE PROFIBUS:  
VEDI FOGLIO: 7500)



|                    |                    |                            |                                                                 |                                   |                      |                     |
|--------------------|--------------------|----------------------------|-----------------------------------------------------------------|-----------------------------------|----------------------|---------------------|
| SCHEMA REV. 02     | DATA 12.10.2012    | EMER ENGINE & TRANSMISSION | BASAMENTO MOTORE TRI-OP155 LINEA TRASP. ASSERVIM. PORTALI OP155 | ALIMENTRAZIONE PLC SIEMENS S7-300 | Dis. N°: 4562-SEL001 | +                   |
| REVISIONE FOGLIO   | DISEGN. TEKNOLOGIA | MANUFACTURING              |                                                                 |                                   | Commissa: 4562       | Fg. 1101            |
| 00                 | VISTO TEKNOLOGIA   | Prato Plant                |                                                                 |                                   |                      | F.S. 1110 dt. 10104 |
| TEKNOLOGIA         | RPPL.              | EPLEN 5.75                 | Matr. 20.277                                                    |                                   |                      |                     |
| Via G. PANUNZIO, 6 |                    |                            |                                                                 |                                   |                      |                     |
| 10092 BEINASCIO    |                    |                            |                                                                 |                                   |                      |                     |
| TORINO - ITALIA    |                    |                            |                                                                 |                                   |                      |                     |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19



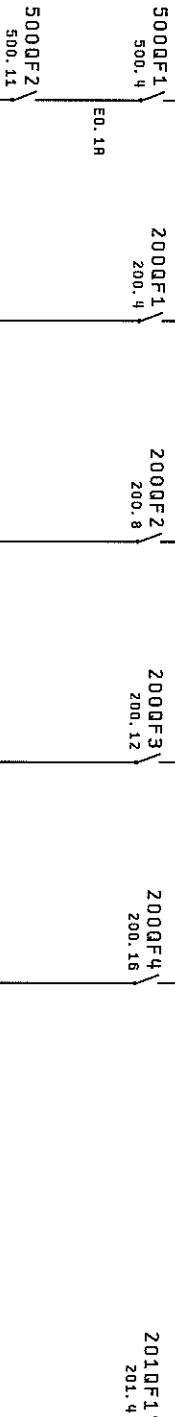
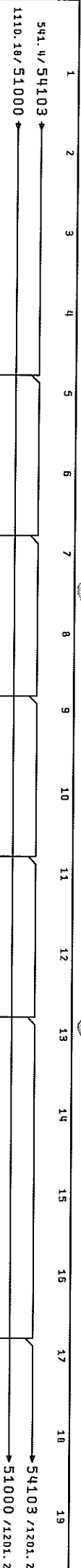
1101.18/54151  
1101.18/51000  
54151 / 2010.2  
51000 / 1200.2

|                  |                    |                         |                 |             |           |
|------------------|--------------------|-------------------------|-----------------|-------------|-----------|
| SCHEMA REV. 02   | DATA 12.10.2012    | BRASAMENTO MOTORE       | ALIMENTAZIONE   | Dis. N°:    | -         |
| REVISIONE FIG.10 | DISEGN. TEKNOLOGIA | TR1-OP155 LINEA TRASP.  | ETHERNET SWITCH | 4562-SEL001 | +         |
| 00 01 02         | VISTO TEKNOLOGIA   | ASSERVIM. PORTALI OP155 |                 | Commissa:   | 1110      |
|                  | RPFR.              |                         |                 | 4562        | F.S. 1199 |
|                  |                    |                         |                 |             | dt. 10104 |

teknologia  
Via S. D'AMUNIZIO, 6  
10092 BEINASSO  
TORINO - ITALIA

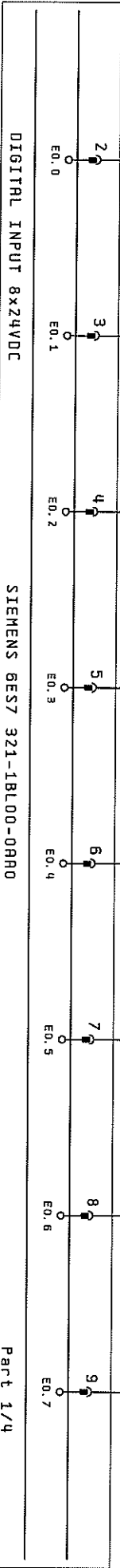
FIAT  
ENGINE & TRANSMISSION  
MANUFACTURING  
Prestola Plant





1199.3  
EO.0

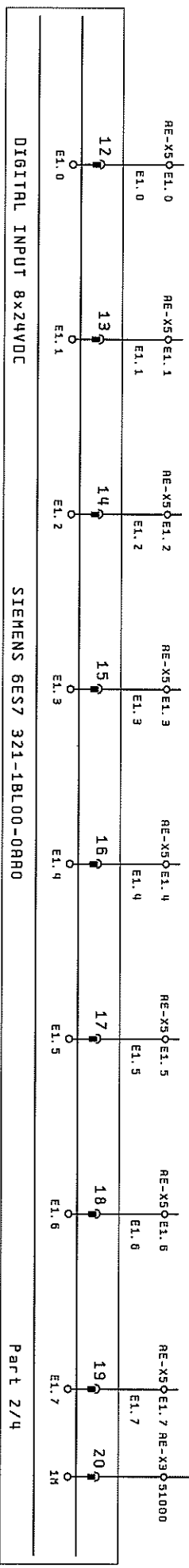
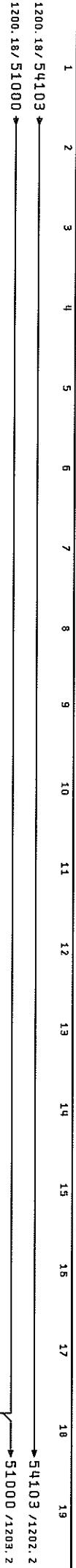
RE-XS  
EO.6



1200EB0  
1000.5

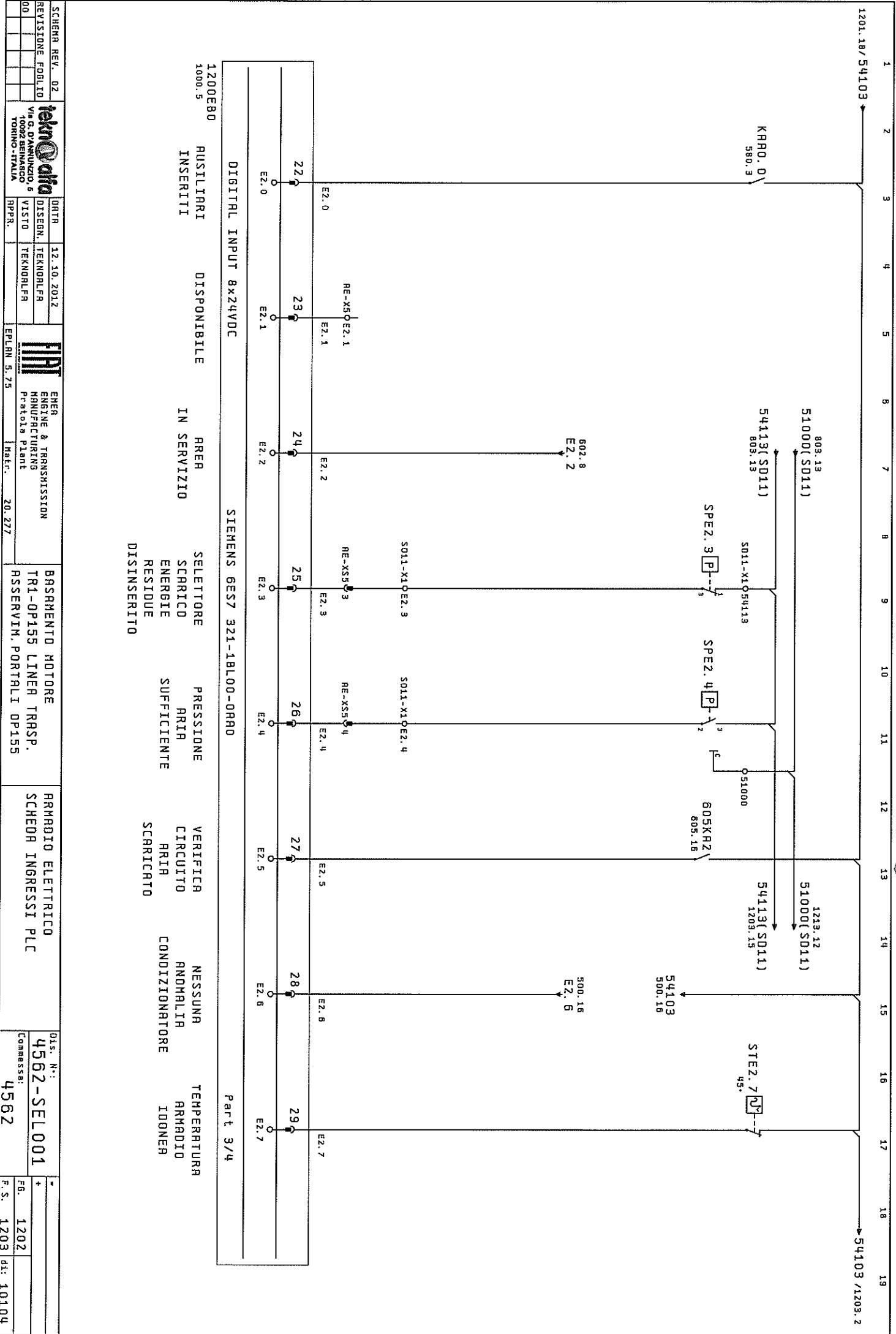
|                 |                 |                |               |               |               |             |               |
|-----------------|-----------------|----------------|---------------|---------------|---------------|-------------|---------------|
| PROTEZIONI      | PROTEZIONI      | ALIMENTAZIONE  | ALIMENTAZIONE | ALIMENTAZIONE | ALIMENTAZIONE | DISPONIBILE | ALIMENTAZIONE |
| MAGNETOTERMICHE | MAGNETOTERMICHE | MOTORI         | MOTORI        | MOTORI        | MOTORI        |             | MOTORI        |
| RIPRISTINATE    | RIPRISTINATE    | TRATTO 1       | TRATTO 1      | GRUPPO "C"    | GRUPPO "D"    |             | TRASPORTO     |
| 24 VCC          | CONDIZIONATORE  | ZONA MAGAZZINO | ZONA CARICO/  |               |               |             | INTR./ESTR.   |
|                 |                 |                | SCARICO       |               |               |             | FINITI        |

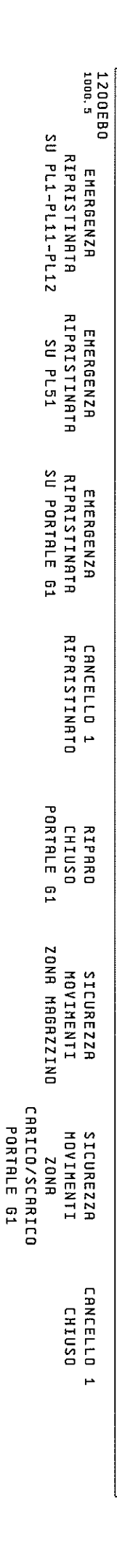
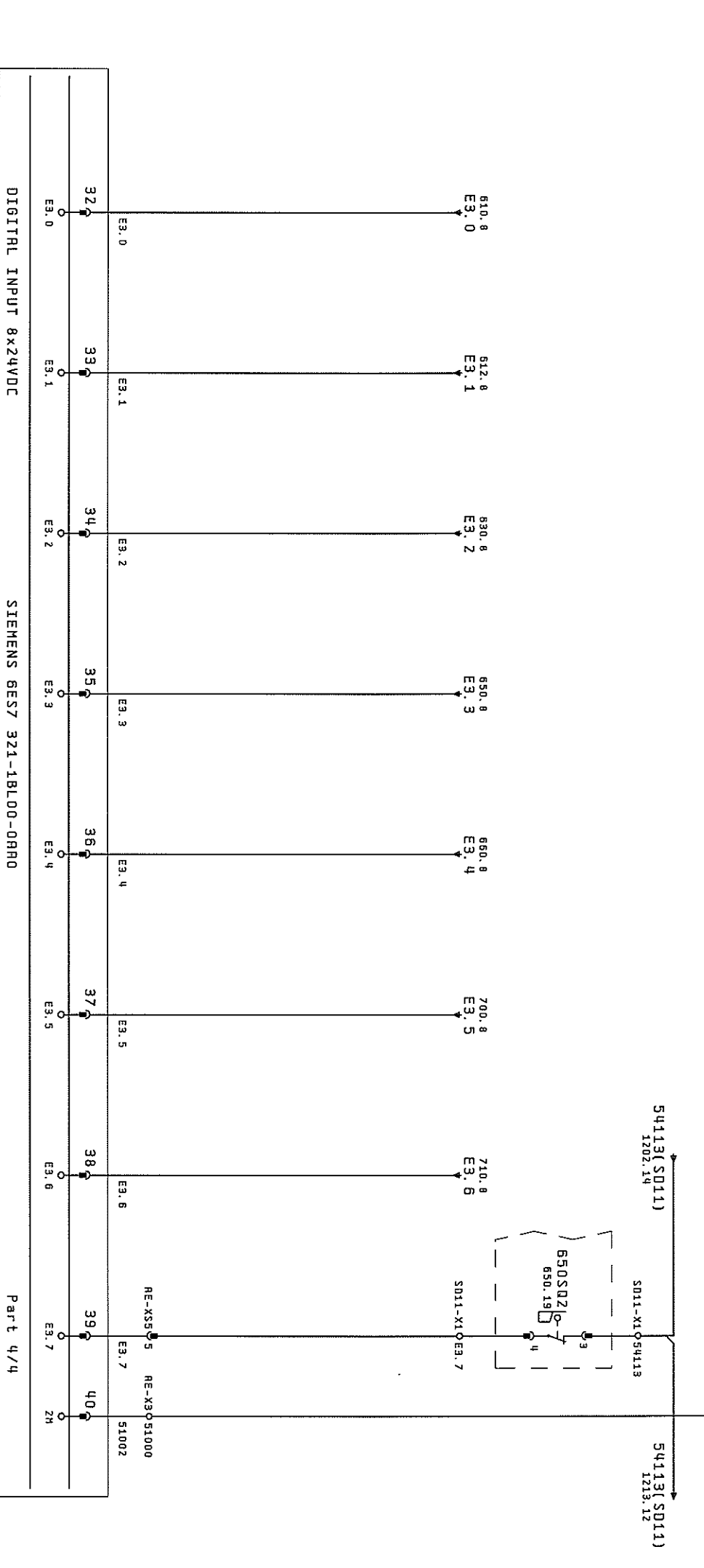
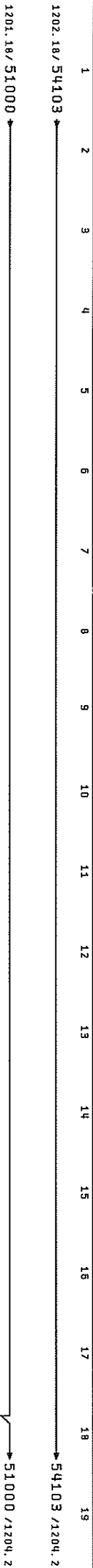
|                  |  |                      |  |               |  |                         |  |                     |  |             |  |            |  |
|------------------|--|----------------------|--|---------------|--|-------------------------|--|---------------------|--|-------------|--|------------|--|
| SCHEMA REV. 02   |  | DATA 12.10.2012      |  | ELENCO        |  | BASSAMENTO MOTORE       |  | ARMADIO ELETTRICO   |  | Diss. N°:   |  | -          |  |
| REVISIONE FOGLIO |  | DISEGN. TEKNOLOGIA   |  | MANUFACTURING |  | TRI-OP155 LINER TRASP.  |  | SCHEDE INGRESSI PLC |  | 4562-SEL001 |  | +          |  |
| 001 01 02        |  | VIA G. D'ANNUNZIO, 5 |  | Prato Plant   |  | ASSERVIM. PORTALI OP155 |  |                     |  | Comessa:    |  | Fg. 1200   |  |
| TEKNOLOGIA       |  | TEKNOLOGIA           |  | Prato Plant   |  |                         |  |                     |  | 4562        |  | F.S. 1201  |  |
| TORINO - ITALIA  |  | RPPR.                |  | Matr.         |  | 20.277                  |  |                     |  |             |  | F.S. 10104 |  |



1200EB0 DISPONIBILE DISPONIBILE DISPONIBILE DISPONIBILE DISPONIBILE DISPONIBILE DISPONIBILE DISPONIBILE

|                  |  |                    |  |                                                          |  |                                                                   |  |                                       |  |                      |  |           |  |
|------------------|--|--------------------|--|----------------------------------------------------------|--|-------------------------------------------------------------------|--|---------------------------------------|--|----------------------|--|-----------|--|
| SCHEMA REV. 02   |  | DATA 12.10.2012    |  | FIR ENEC ENGINE & TRANSMISSION MANUFACTURING Prato Plant |  | BASSAMENTO MOTORE TRI-OP155 LINEAR TRASP. ASSERVIM. PORTALI OP155 |  | ARMADIO ELETTRICO SCHEDA INGRESSI PLC |  | Dis. N°: 4562-SEL001 |  | -         |  |
| REVISIONE FOGLIO |  | DISEGN. TEKNOLOGIA |  | ENGINEERING                                              |  | TRI-OP155 LINEAR TRASP.                                           |  | SCHEDA INGRESSI PLC                   |  | Commissio: 4562      |  | +         |  |
| 10               |  | VISTO TEKNOLOGIA   |  | Prato Plant                                              |  | ASSERVIM. PORTALI OP155                                           |  | SCHEDA INGRESSI PLC                   |  | Fg. 1201             |  | Fg. 1201  |  |
| TORINO-ITALIA    |  | RPR.               |  | EPLAN 5.75                                               |  | Matr. 20.277                                                      |  | ASSERVIM. PORTALI OP155               |  | F.S. 1202            |  | dt: 10104 |  |



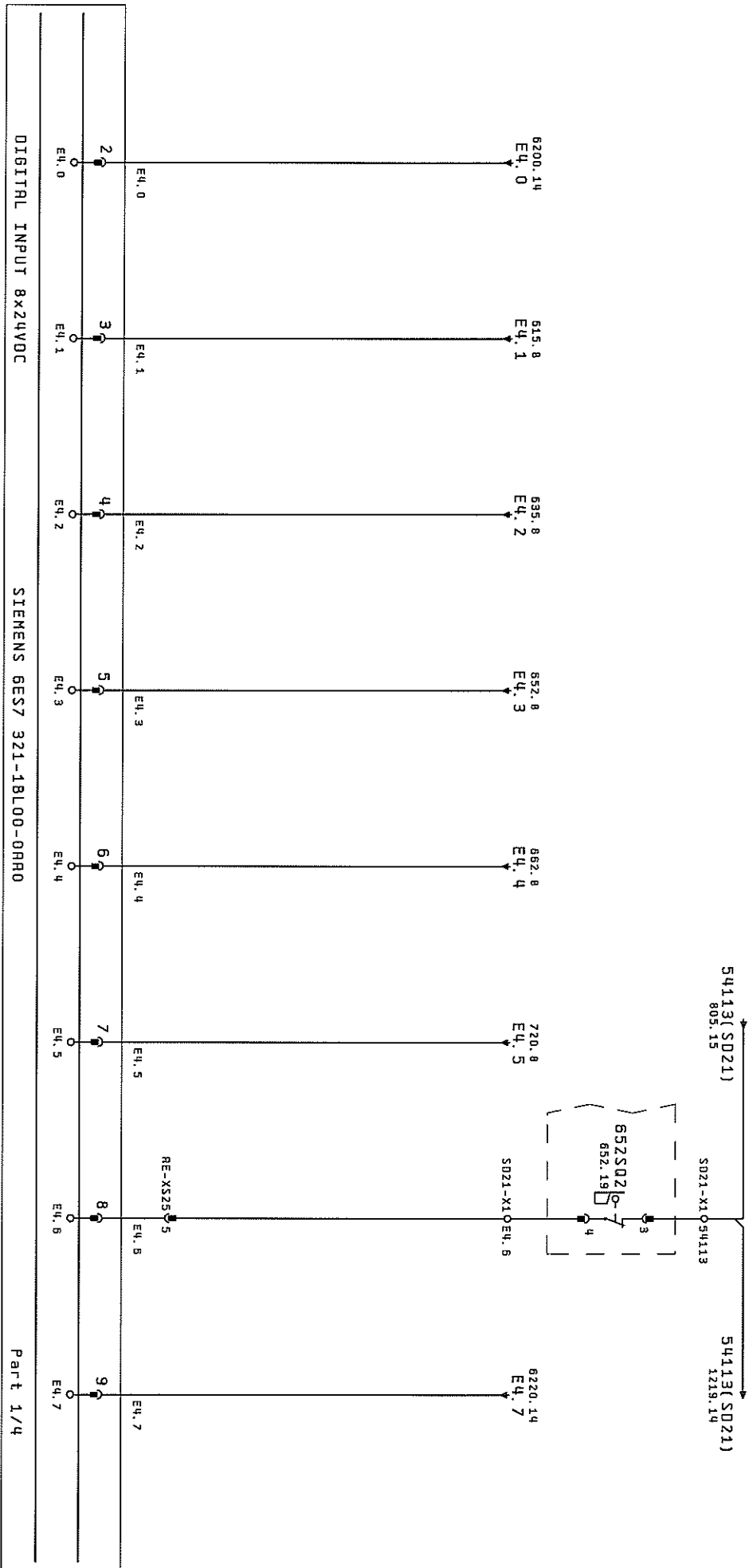


|                      |  |                    |  |                            |  |                     |  |             |  |           |  |
|----------------------|--|--------------------|--|----------------------------|--|---------------------|--|-------------|--|-----------|--|
| SCHEMA REV. 02       |  | DATA 12.10.2012    |  | EHER ENGINE & TRANSMISSION |  | ARMADIO ELETTRICO   |  | Dis. N°:    |  | -         |  |
| REVISIONE F06L10     |  | DISEGN. TEKNOLOGIA |  | MANUFACTURING              |  | SCHEDE INGRESSI PLC |  | 4562-SEL001 |  | +         |  |
| VIA G. D'ANNUNZIO, 5 |  | VISTO              |  | Prato Plant                |  |                     |  | Commissari: |  | F0. 1203  |  |
| 10092 BEINASCIO, 5   |  | TEKNOLOGIA         |  | Prato Plant                |  |                     |  | 4562        |  | F.S. 1204 |  |
| TORINO - ITALIA      |  | RPR.               |  | Metr.                      |  | 20.277              |  |             |  | di: 10104 |  |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

1203.18/ 54103 → 54103 /1205.2

1203.18/ 51000 → 51000 /1205.2



|                  |  |                   |  |                           |  |                         |  |             |  |
|------------------|--|-------------------|--|---------------------------|--|-------------------------|--|-------------|--|
| SCHEMA REV. 02   |  | DATA 12.10.2012   |  | FIR ENGINE & TRANSMISSION |  | BRASAMENTO MOTORE       |  | D.S. N°:    |  |
| REVISIONE Foglio |  | DISEGN. TECNOL.FR |  | MANUFACTURING             |  | TR1-OP155 LINER TRASP.  |  | 4562-SEL001 |  |
| 00 01            |  | VISTO             |  | Prato Plant               |  | ASSEGVIM. PORTALI OP155 |  | Commissari: |  |
| 00 01            |  | TECNOL.FR         |  | 20.277                    |  | SCHEDE INGRESSI PLC     |  | 4562        |  |
| 00 01            |  | RPPR.             |  | EPLAN 5.75                |  | ARMADIO ELETTRICO       |  | F.S. 1204   |  |
| 00 01            |  | EPLAN 5.75        |  | 20.277                    |  | SCHEDE INGRESSI PLC     |  | F.S. 1205   |  |
| 00 01            |  | EPLAN 5.75        |  | 20.277                    |  | SCHEDE INGRESSI PLC     |  | Dt. 10104   |  |

1204EB4

1000. 6

PORTALE G1

FUORI

INGOMBRO

EMERGENZA

RIPRISTINATA

SU PL21-PL22

EMERGENZA

RIPRISTINATA

SU PORTALE G2

CANCELLO 2

RIPARO

CHIUSO

PORTALE G2

SICUREZZA

MOVIMENTI

ZONA

CARICO/SCARICO

PORTALE G2

CANCELLO 2

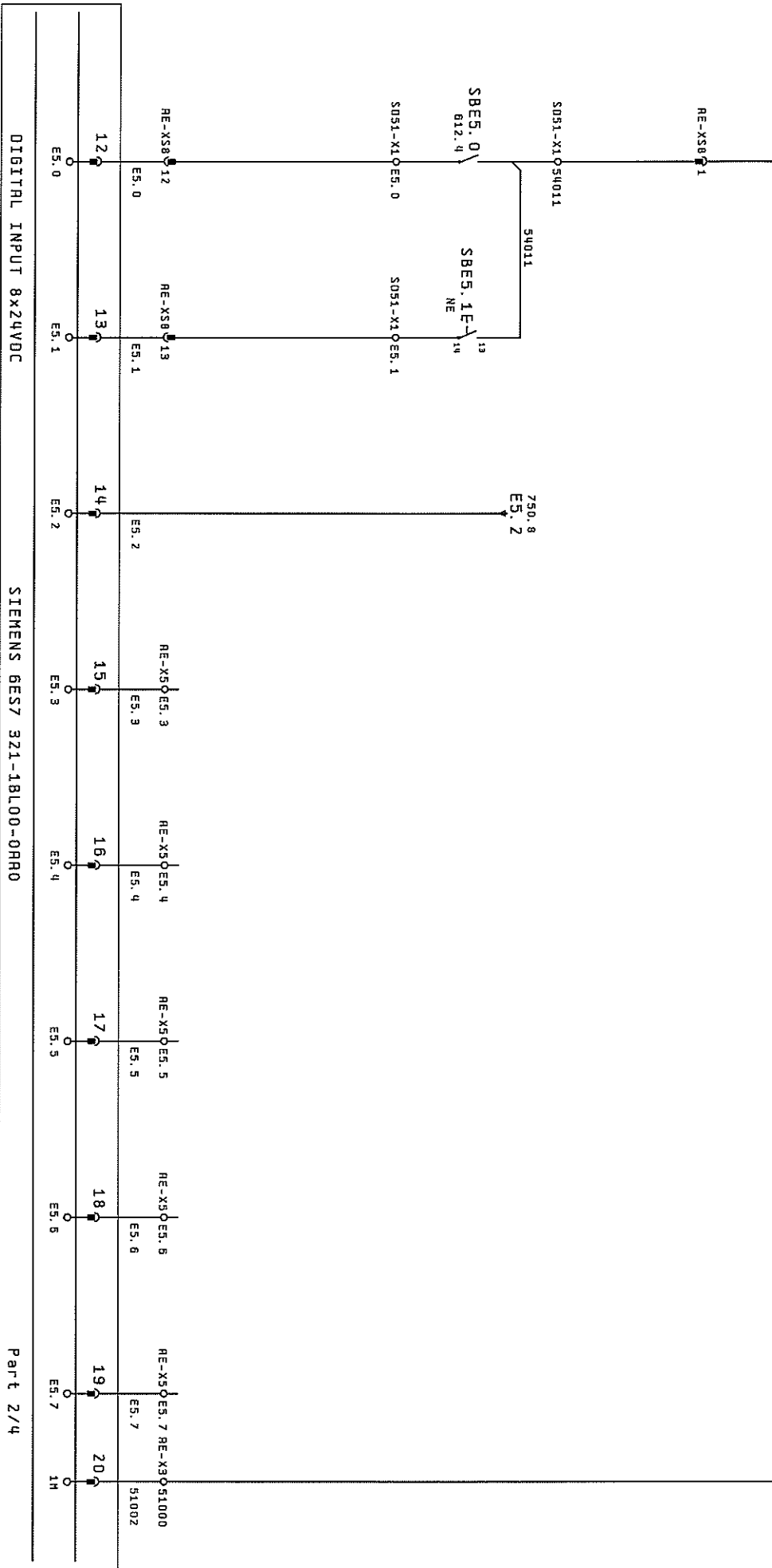
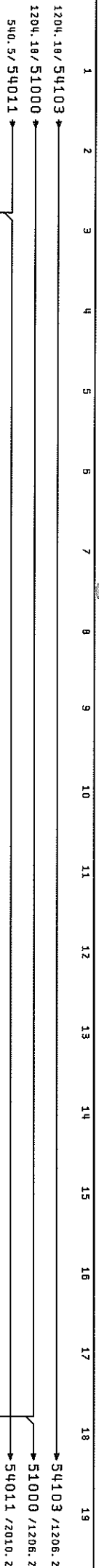
CHIUSO

PORTALE G2

FUORI

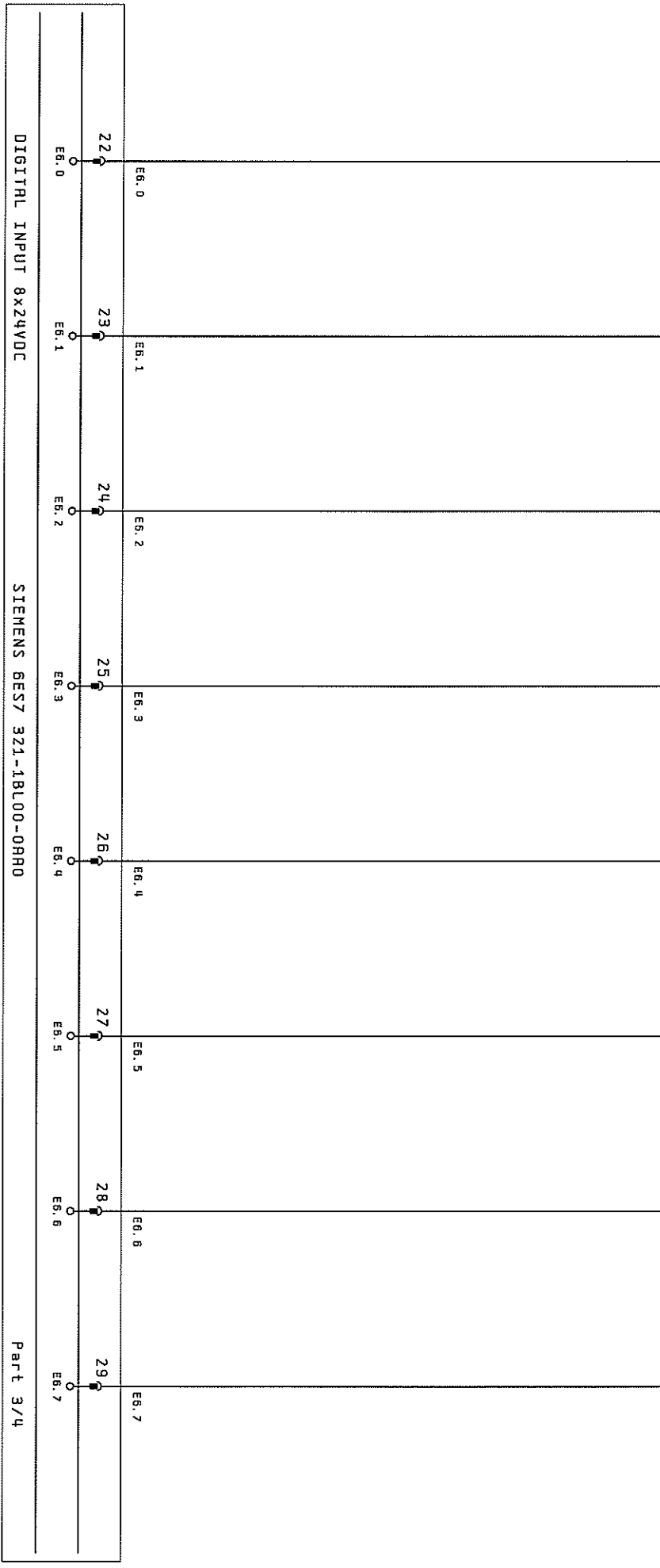
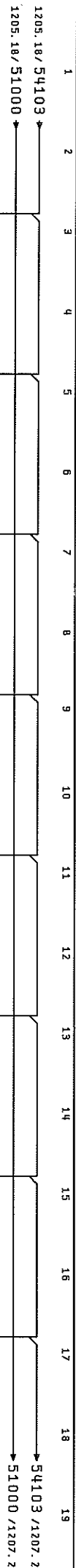
INGOMBRO

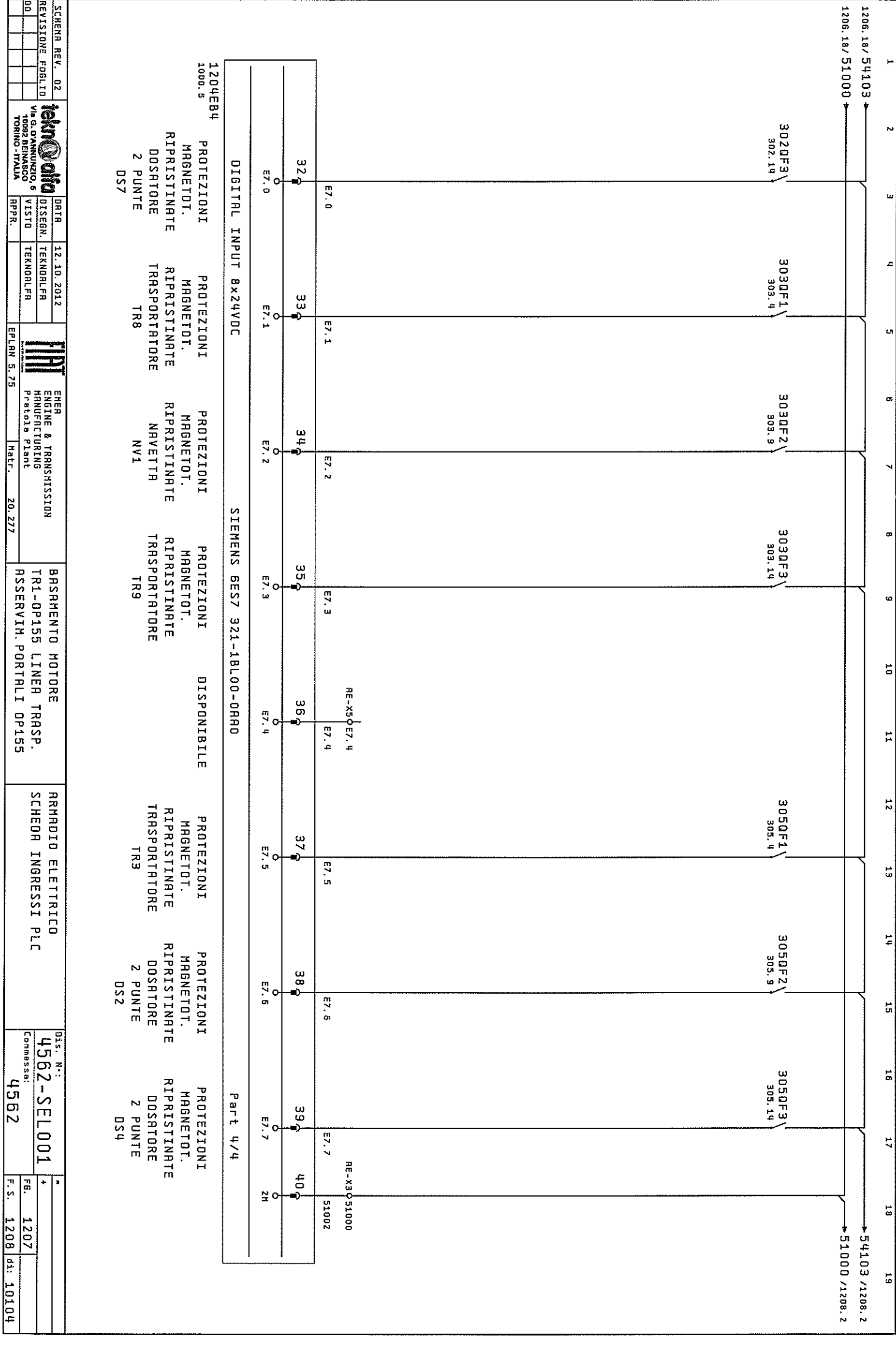
Part 1/4



|         |           |           |                |             |             |             |             |
|---------|-----------|-----------|----------------|-------------|-------------|-------------|-------------|
| 1204EB4 | PULS.     | PULS.     | SICUREZZA      | DISPONIBILE | DISPONIBILE | DISPONIBILE | DISPONIBILE |
| 1000.6  | PL51      | PEZZO     | MOVIMENTI      |             |             |             |             |
|         | EMERGENZA | TRASPORTO | TRASPORTO      |             |             |             |             |
|         | RZIDNMTA  | SCARICATO | CARICO/SCARICO |             |             |             |             |
|         |           |           | FINITI         |             |             |             |             |

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|----------------------------------------------------------|--------------------|---------------|-------------------------|----------|-------------|-----------|
| SCHEMA REV. 02                                           | DATA 12.10.2012    | ENED          | BASAMENTO MOTORE        | Dis. N°: | 4562-SEL001 | -         |
| REVISIONE FORNITO                                        | DISEGN. TEKNOLOGIA | MANUFACTURING | TR1-OP155 LINER TRASP.  | Comessa: | 4562        | +         |
| 001 001                                                  | VISTO TEKNOLOGIA   | Prato Plant   | ASSERVIM. PORTALI OP155 |          |             | Fb. 1205  |
| VIA G. D'ANNUNZIO, 6<br>10092 BEVAIRICO<br>TORINO-ITALIA |                    |               |                         |          |             | F.S. 1206 |
| APPR.                                                    |                    |               |                         |          |             | dt: 10104 |
| EPLAN 5.75                                               |                    |               |                         |          |             |           |
| Matr. 20.277                                             |                    |               |                         |          |             |           |

[illegible]



|                  |                   |                                                         |                                                                   |                                       |                      |           |
|------------------|-------------------|---------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------|----------------------|-----------|
| SCHEMA REV. 02   | DATA 12.10.2012   | ENER ENGINE & TRANSMISSION MANUFACTURING Pretoria Plant | BASAMENTO MOTORE TRI-OP155 LINER TRASP. ASSEVERIAM. PORTALI OP155 | ARMADIO ELETTRICO SCHEDE INGRESSI PLC | Dis. N.: 4562-SEL001 | F.S. 1207 |
| REVISIONE FOGLIO | DISEGN. TECNOL.FR | MANUFACTURING Pretoria Plant                            | TRI-OP155 LINER TRASP. ASSEVERIAM. PORTALI OP155                  | SCHEDE INGRESSI PLC                   | Commissa: 4562       | 1207      |
| 00               | VISTO             | TECNOL.FR                                               | ASSEVERIAM. PORTALI OP155                                         |                                       |                      |           |
| 01               | RPR.              |                                                         |                                                                   |                                       |                      |           |
| 02               |                   |                                                         |                                                                   |                                       |                      |           |
| 03               |                   |                                                         |                                                                   |                                       |                      |           |
| 04               |                   |                                                         |                                                                   |                                       |                      |           |
| 05               |                   |                                                         |                                                                   |                                       |                      |           |
| 06               |                   |                                                         |                                                                   |                                       |                      |           |
| 07               |                   |                                                         |                                                                   |                                       |                      |           |
| 08               |                   |                                                         |                                                                   |                                       |                      |           |
| 09               |                   |                                                         |                                                                   |                                       |                      |           |
| 10               |                   |                                                         |                                                                   |                                       |                      |           |
| 11               |                   |                                                         |                                                                   |                                       |                      |           |
| 12               |                   |                                                         |                                                                   |                                       |                      |           |
| 13               |                   |                                                         |                                                                   |                                       |                      |           |
| 14               |                   |                                                         |                                                                   |                                       |                      |           |
| 15               |                   |                                                         |                                                                   |                                       |                      |           |
| 16               |                   |                                                         |                                                                   |                                       |                      |           |
| 17               |                   |                                                         |                                                                   |                                       |                      |           |
| 18               |                   |                                                         |                                                                   |                                       |                      |           |
| 19               |                   |                                                         |                                                                   |                                       |                      |           |

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1207.18/54103  
1207.18/51000  
54103/1209.2  
51000/1209.2

3060F1  
306.4

3060F2  
306.9

3060F3  
306.14

3070F1  
307.4

3070F2  
307.9

3070F3  
307.14

2

3

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EB.0

EB.1

EB.2

EB.3

EB.4

EB.5

EB.6

EB.7

RE-X5  
EB.6

RE-X5  
EB.7

DIGITAL INPUT 8x24VDC

SIEMENS 6ES7 321-1BL00-0AA0

Part 1/4

1208EB8  
1000.7

| PROTEZIONI    | PROTEZIONI    | PROTEZIONI   | PROTEZIONI    | PROTEZIONI   | DISPONIBILE | DISPONIBILE |
|---------------|---------------|--------------|---------------|--------------|-------------|-------------|
| MAGNETOT.     | MAGNETOT.     | MAGNETOT.    | MAGNETOT.     | MAGNETOT.    |             |             |
| RIPRISTINATE  | RIPRISTINATE  | RIPRISTINATE | RIPRISTINATE  | RIPRISTINATE |             |             |
| TRASPORTATORE | TRASPORTATORE | DOSATORE     | TRASPORTATORE | DOSATORE     |             |             |
| TR4           | TR5           | 2 PUNTE      | TR51          | 2 PUNTE      |             |             |
|               |               | DS8          |               | DS51         |             |             |
|               |               |              |               | DS52         |             |             |

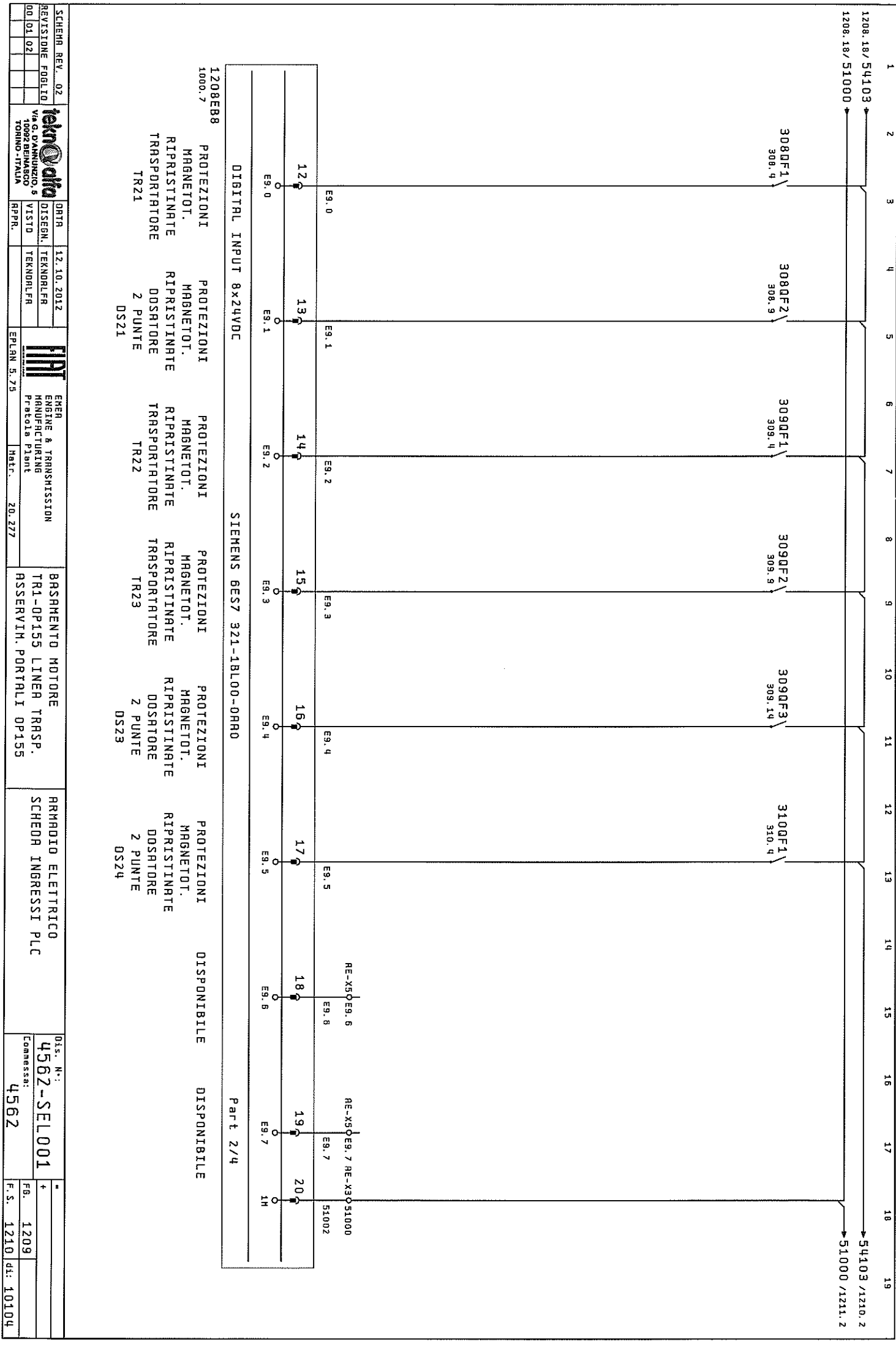
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|------------------|--|-----------------|--|---------------------------|--|------------------------|--|--------------------|--|-------------|--|--------------|--|
| SCHEM. REV. 02   |  | DATA 12.10.2012 |  | FIR ENGINE & TRANSMISSION |  | BASSAMENTO MOTORE      |  | ARMADIO ELETTRICO  |  | Dis. N°:    |  | -            |  |
| REVISIONE Foglio |  | VISTO           |  | MANUFACTURING             |  | TRI-OP155 LINEA TRASP. |  | SCHEM INGRESSI PLC |  | 4562-SEL001 |  | +            |  |
| 00               |  | 02              |  | TEKNOLOGIA                |  | Prato Plant            |  |                    |  | Commissa:   |  | Fg. 1208     |  |
| 01               |  | 01              |  | TEKNOLOGIA                |  | 20.277                 |  |                    |  | 4562        |  | F.S. 1209    |  |
| 02               |  | 02              |  | TEKNOLOGIA                |  |                        |  |                    |  |             |  | dt: 10.10.04 |  |

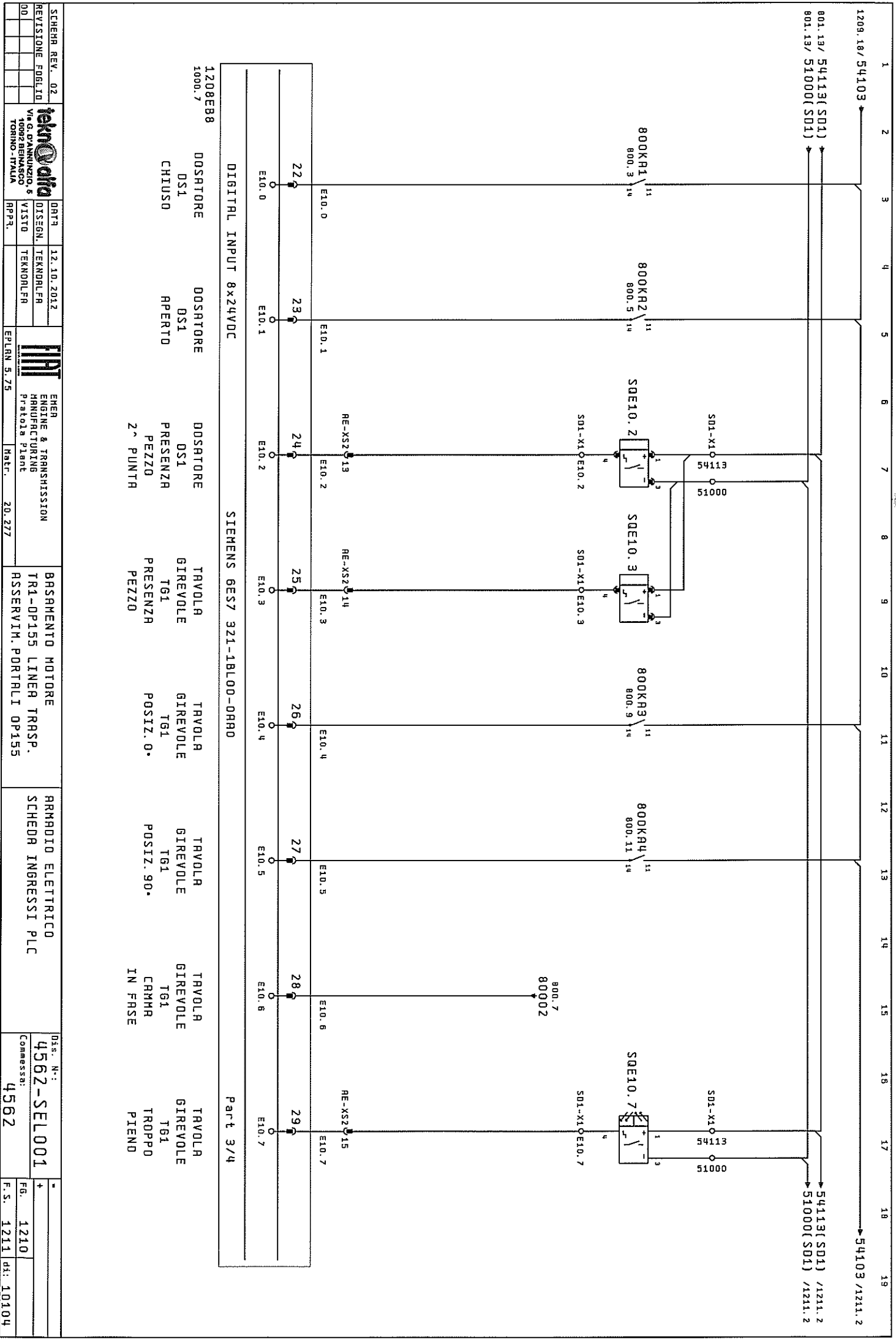
tekno **alfa**  
Via G. DANNUZZIO, 6  
10092 BEINASCO  
TORINO - ITALIA

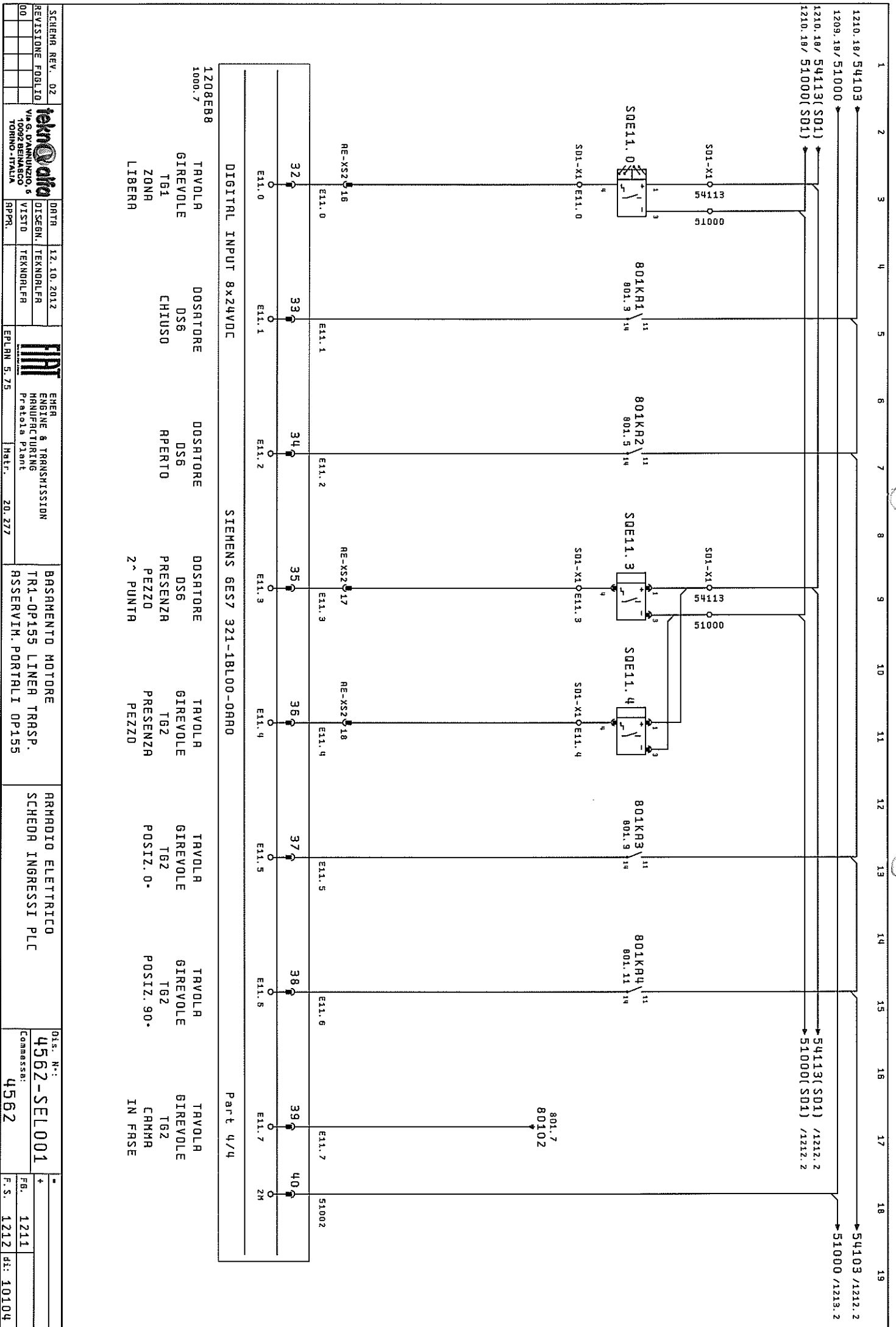
PRPQ.

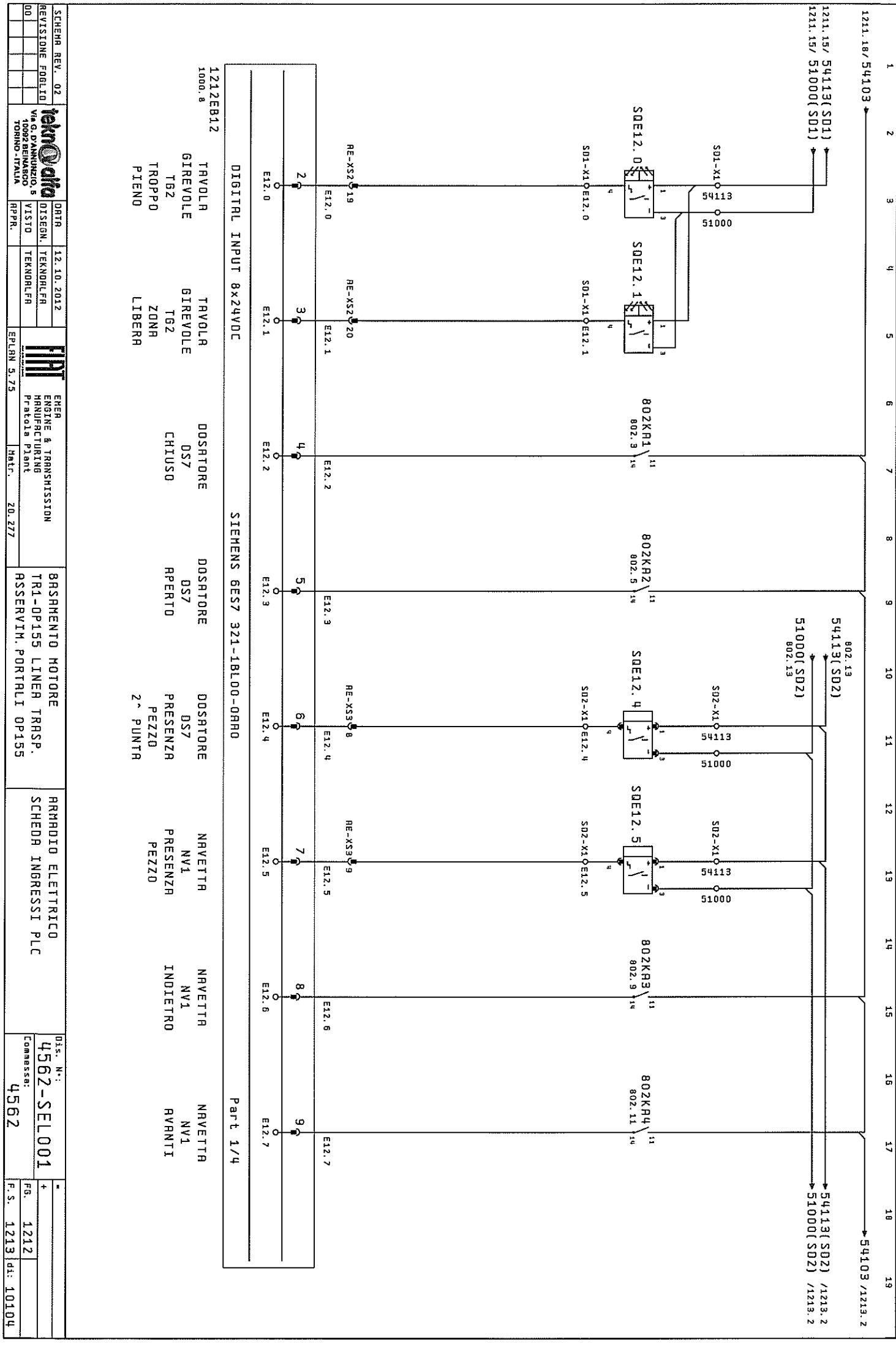
EPLEN 5.75

Matr.

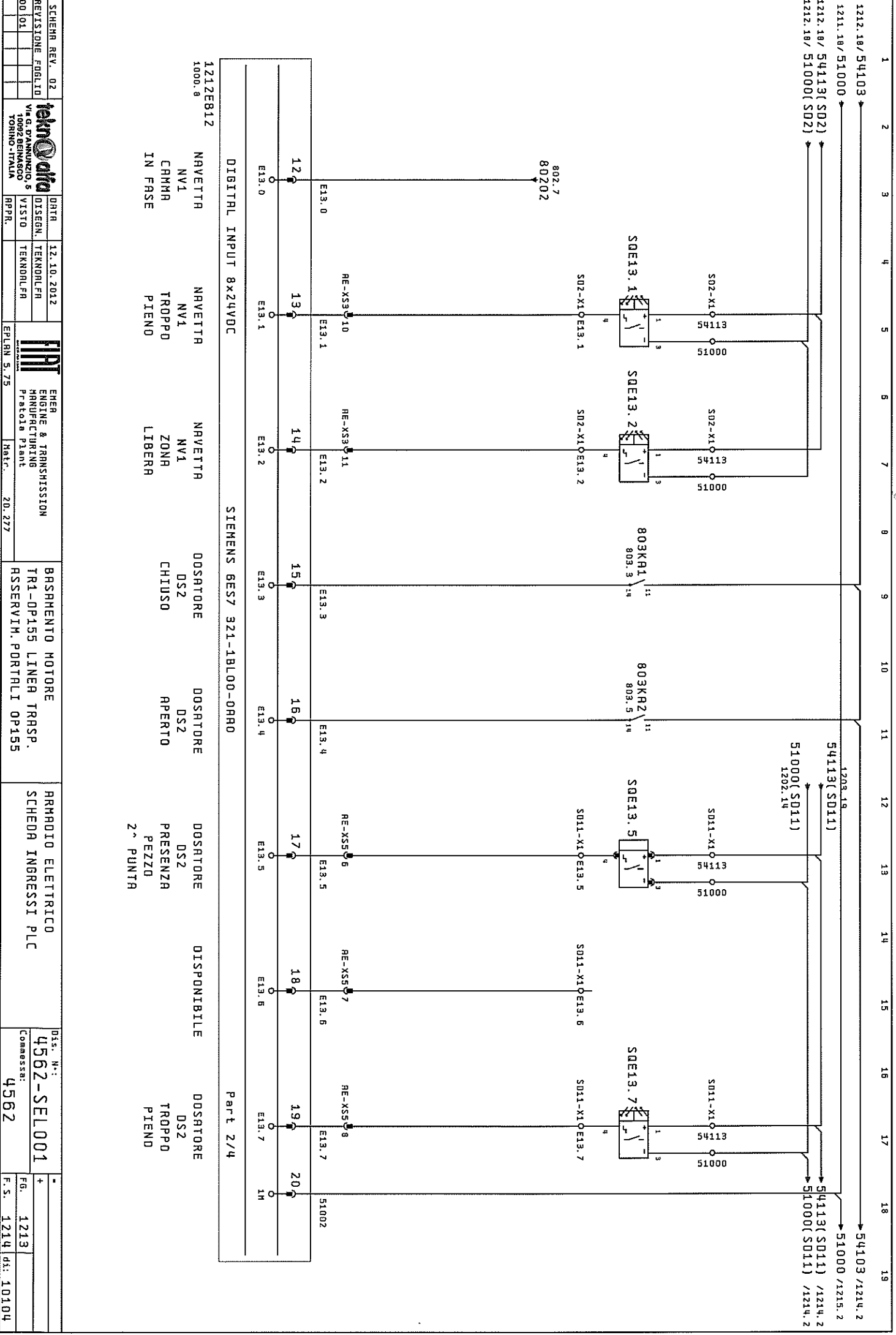


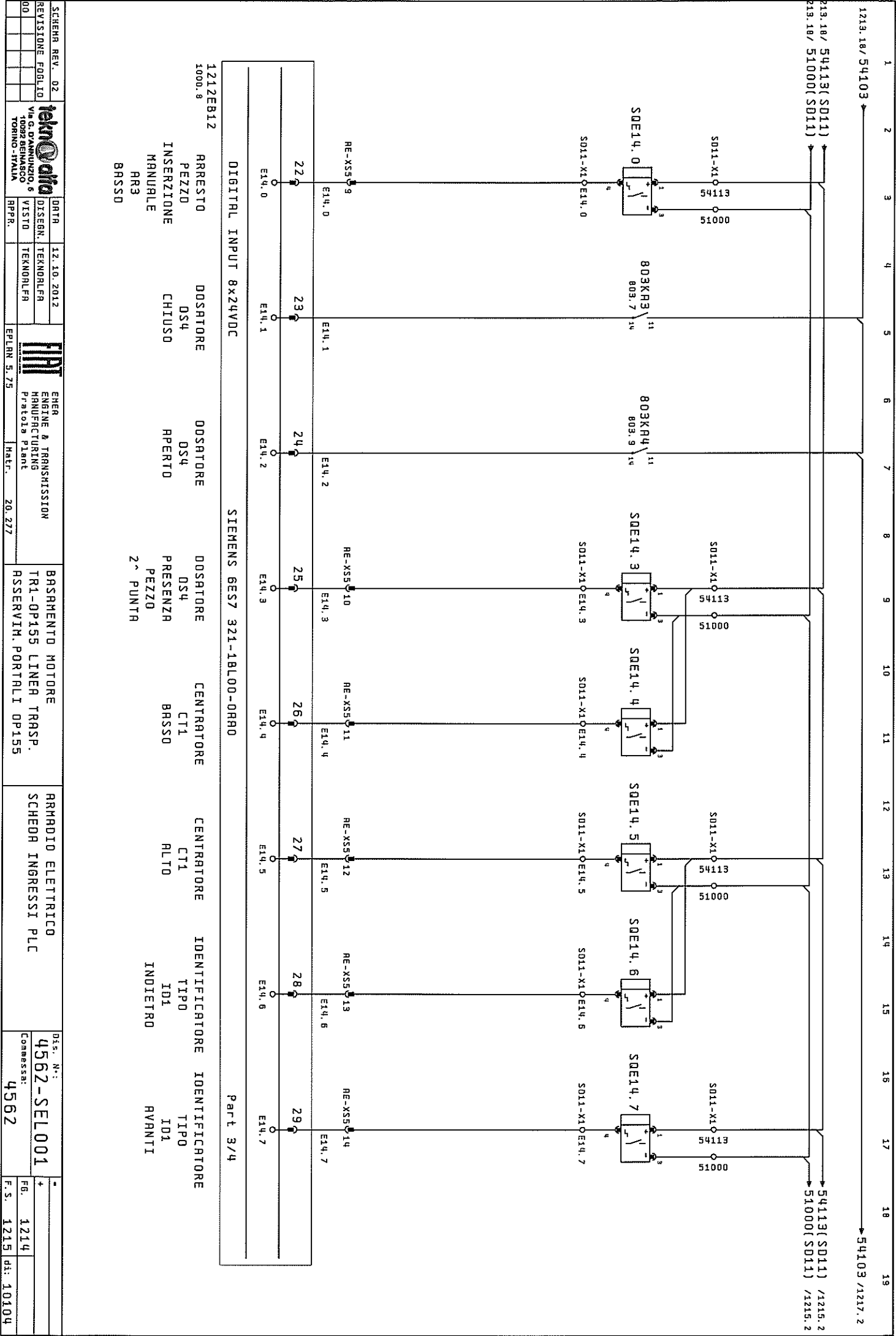






|                     |                                                           |                         |                                                     |          |             |                     |
|---------------------|-----------------------------------------------------------|-------------------------|-----------------------------------------------------|----------|-------------|---------------------|
| SCHEMA REV. 02      | DATA 12.10.2012                                           | ENGINEER & TRANSMISSION | ARMADIO ELETTRICO                                   | Dis. N°: | 4562-SEL001 | +                   |
| REVISIONE Foglio 00 | VIA G. D'AMBRUNDO, 5<br>10092 BRINABAO<br>TORINO - ITALIA | TEKNOLOGIA              | TRI-OP155 LINEAR TRASP.<br>ASSERVIUM. PORTILI OP155 | Compass: | 4562        | F6. 1212            |
|                     | APP.:                                                     | TEKNOLOGIA              |                                                     |          |             | P.S. 1213 dt. 10104 |

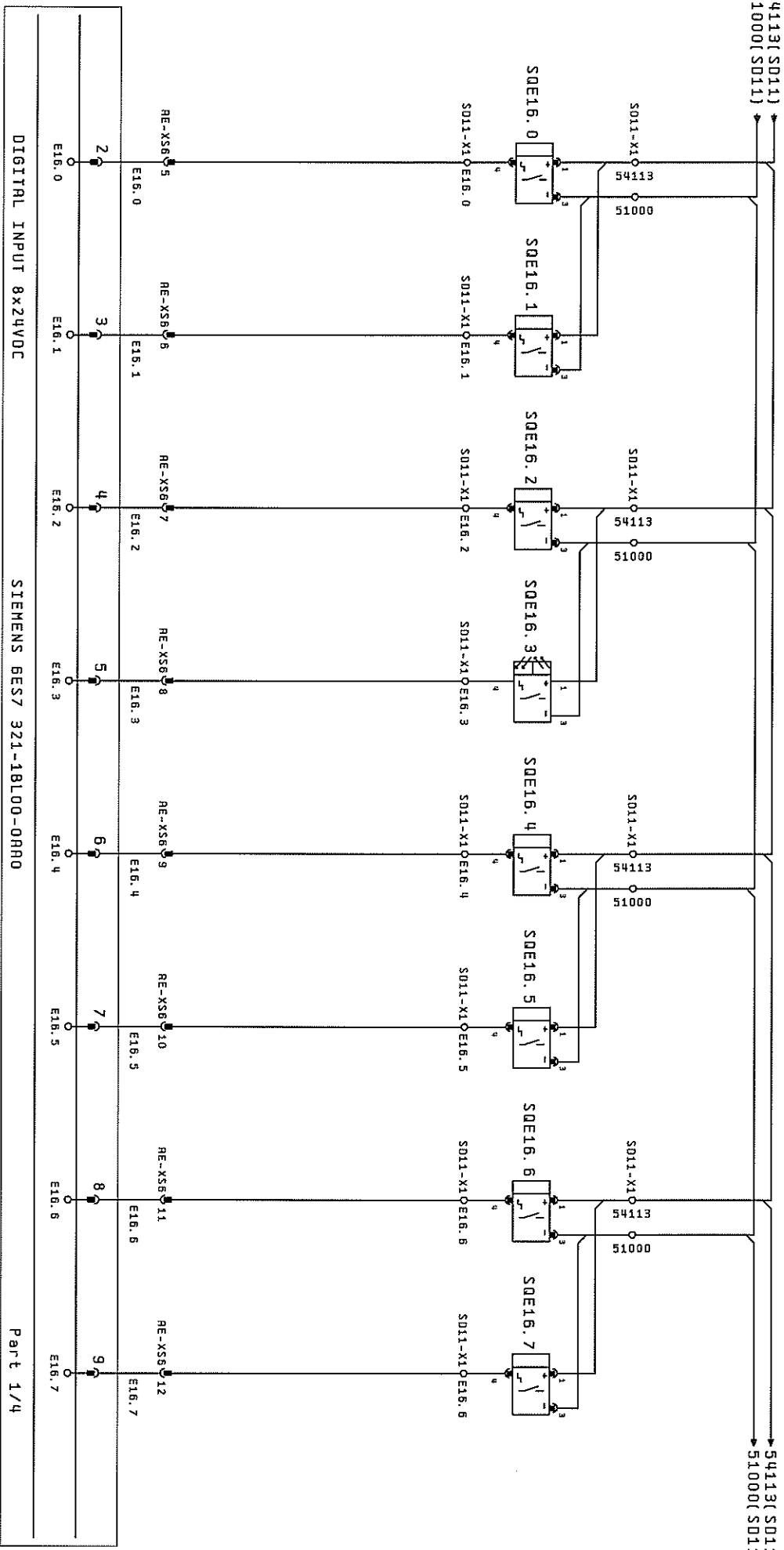




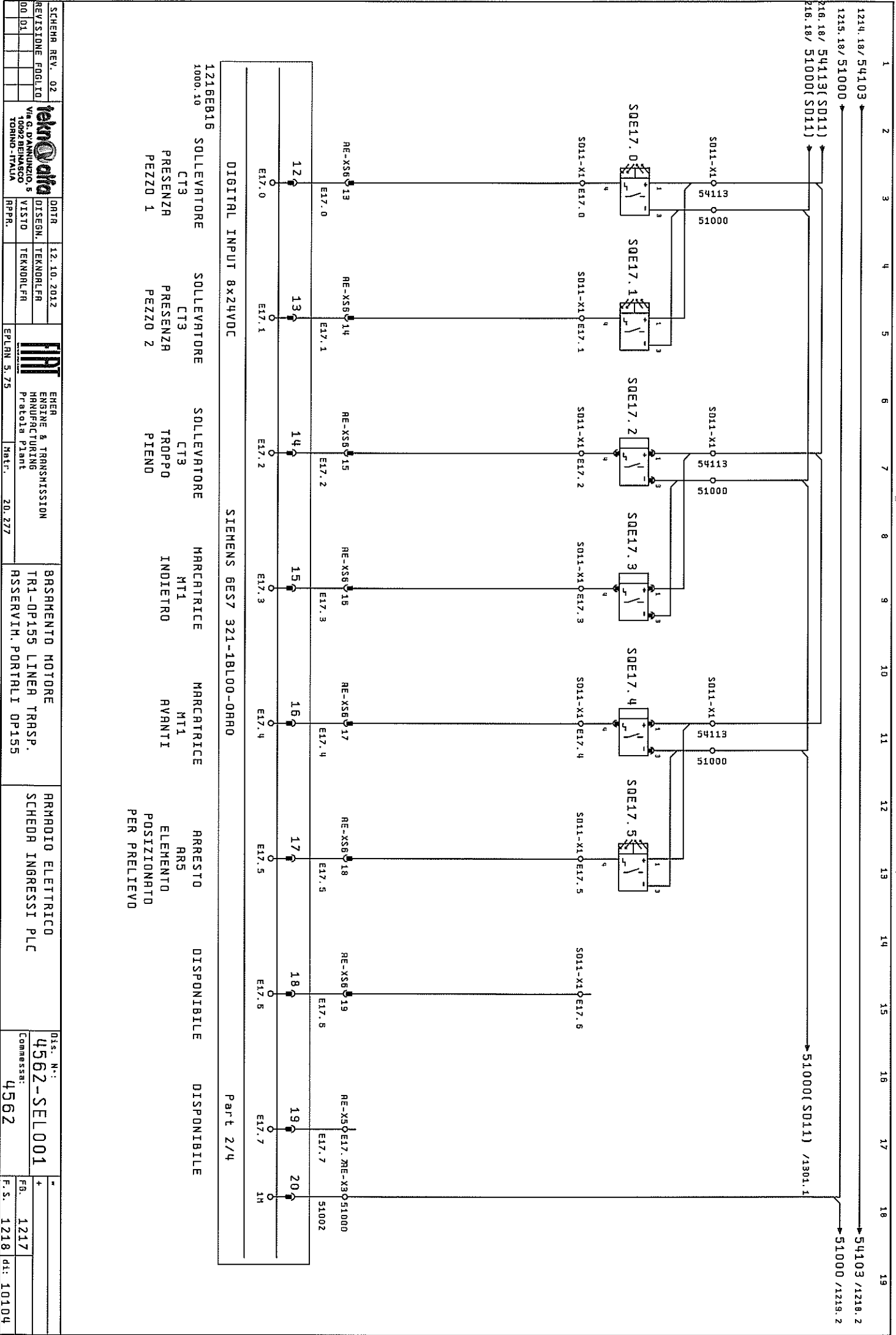


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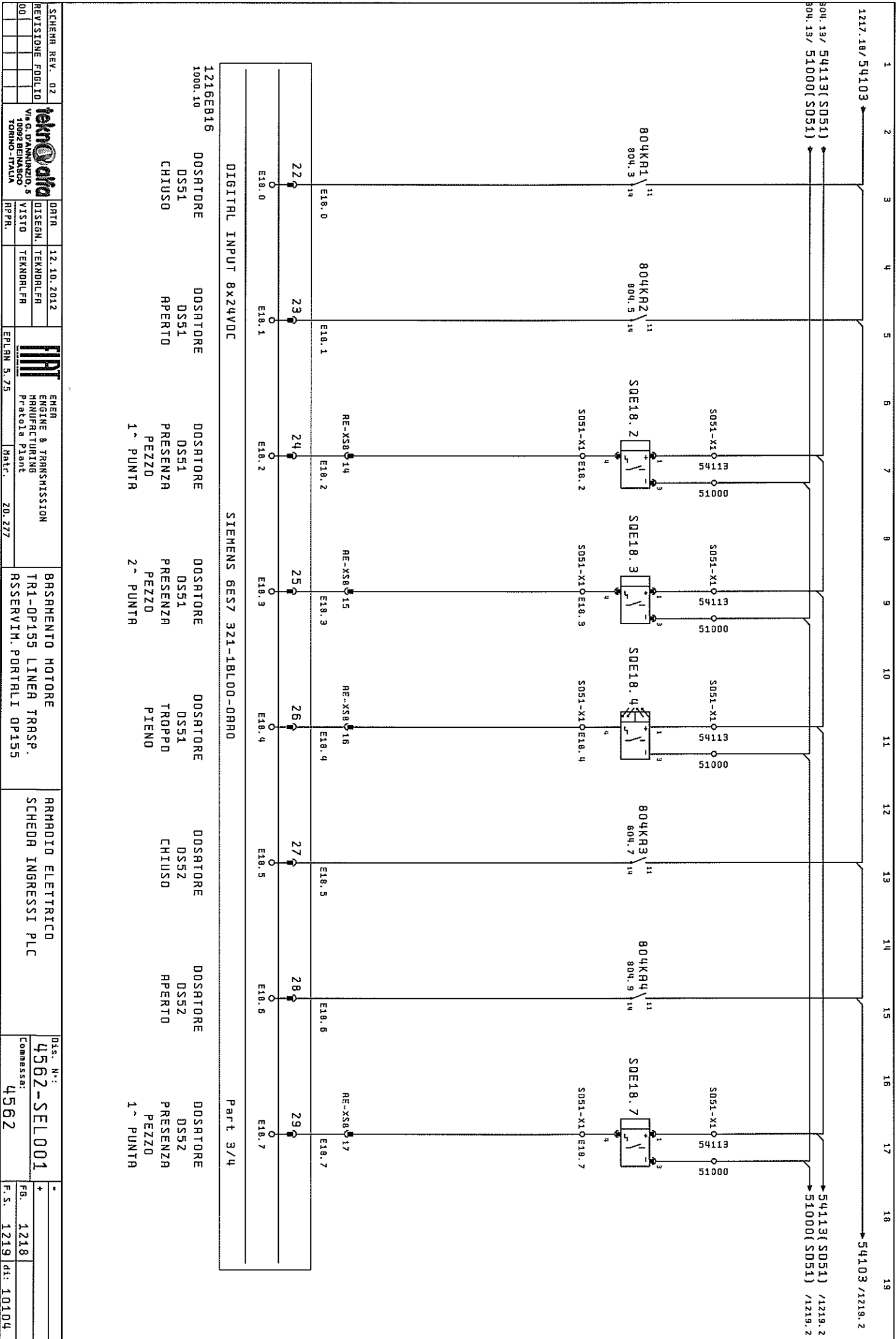
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215.16/ 51000(SD11.1) /1217.2

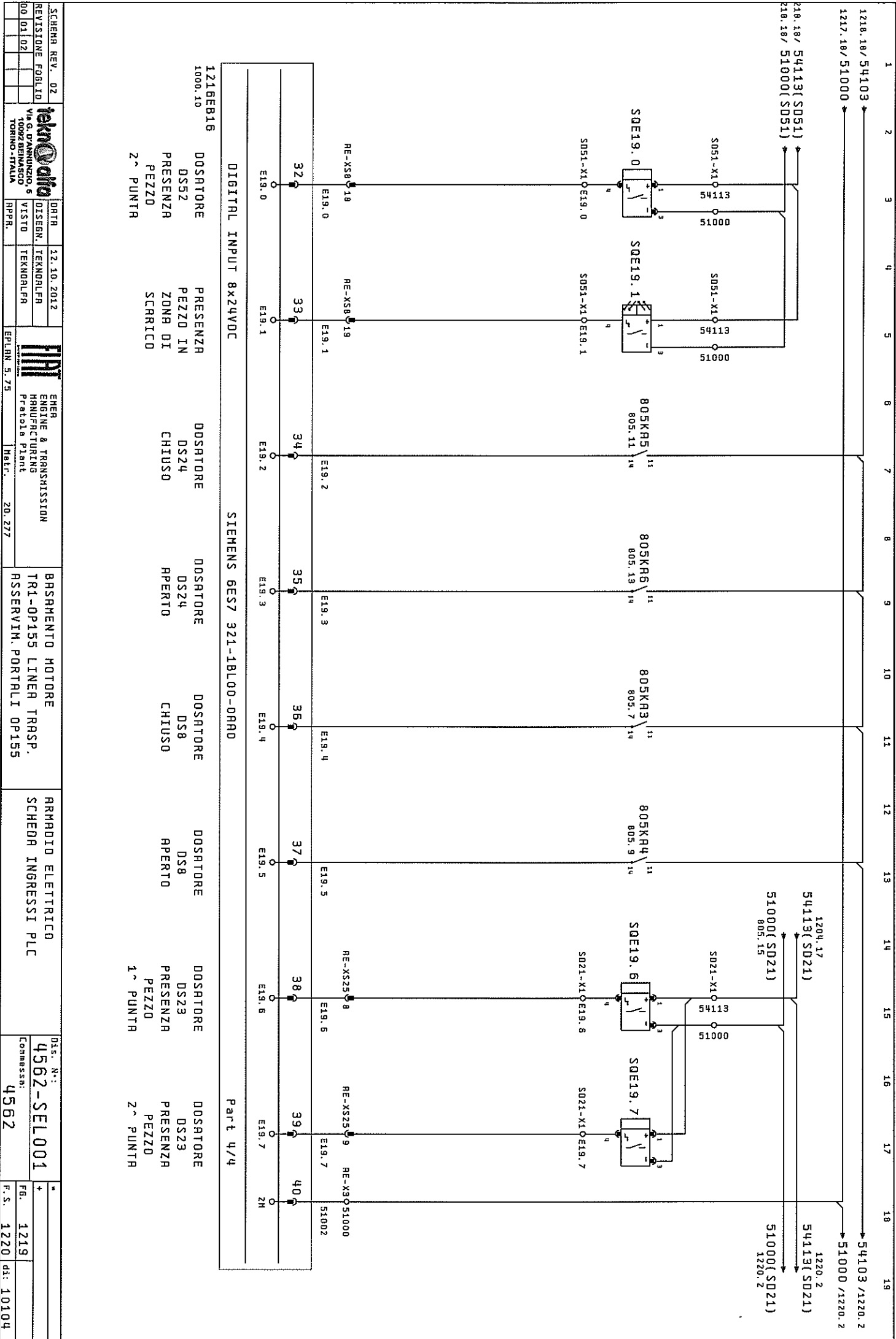


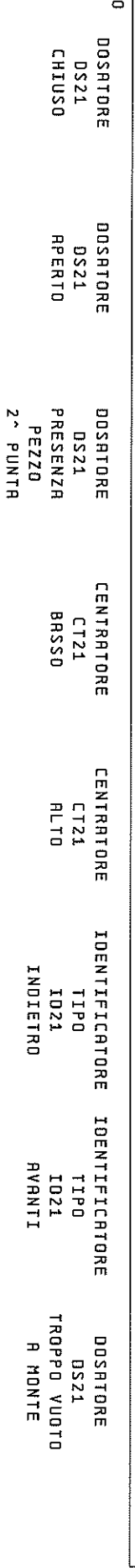
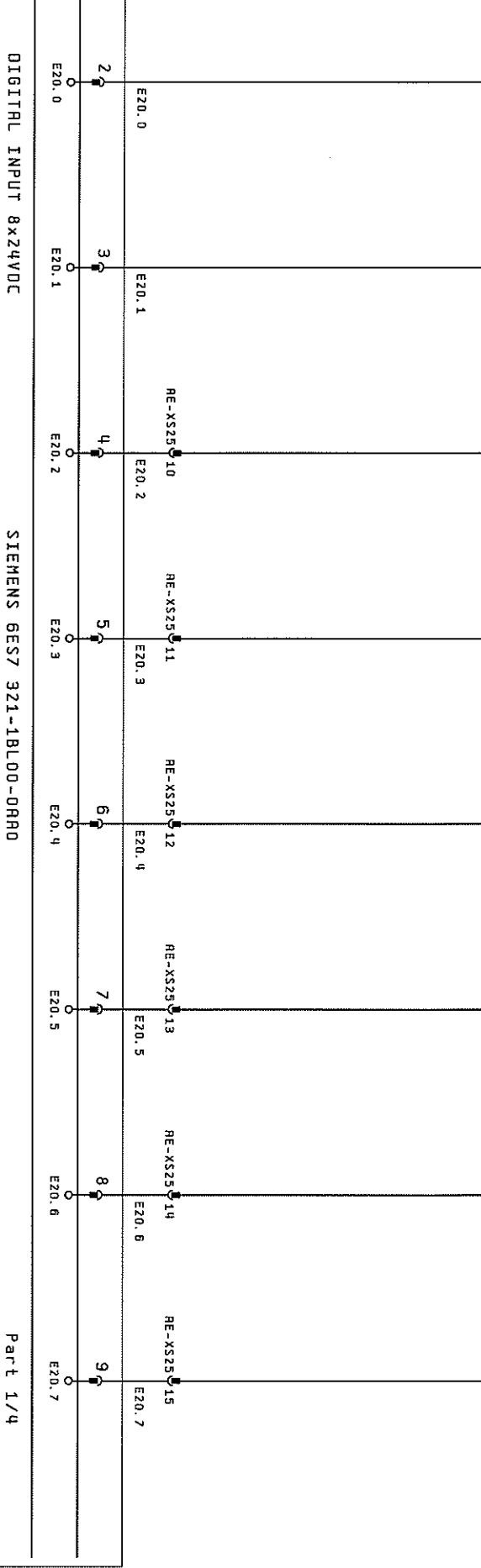
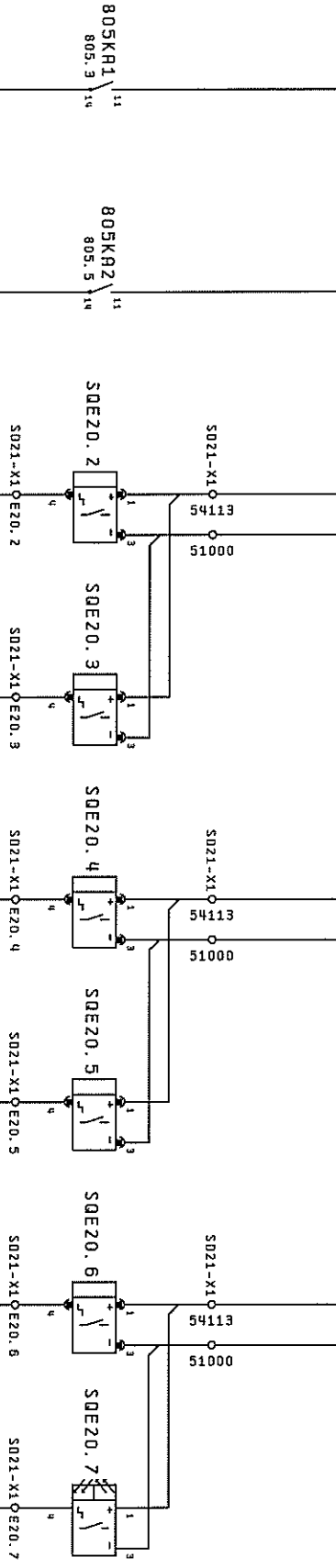
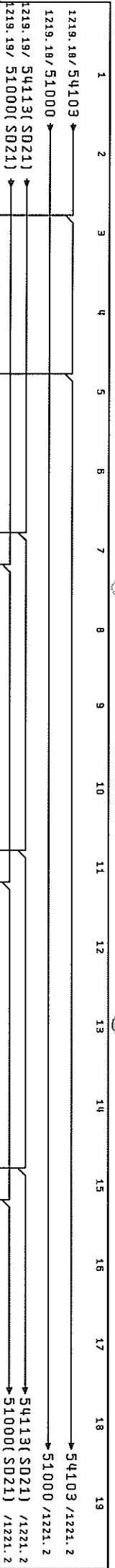
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|----------------------------------------------------|--|---------------------------------------|--|------------------------------------------------------|--|------------------------------------------------------------------|--|---------------------------------------|--|------------------------|--|----------------------|--|
| SCHEMA REV. 02                                     |  | DATA 12.10.2012                       |  | ENER ENGINE & TRANSMISSION MANUFACTURING Prato Plant |  | BASSAMENTO MOTORE TR1-OP155 LINEA TRASP. ASSERVIM. PORTALI OP155 |  | ARMADIO ELETTRICO SCHEDE INGRESSI PLC |  | D.S. N°: 4562-SEL001   |  | F.S. 1216            |  |
| REVISIONE FORNITORE                                |  | DISSEGNA. TECNOL.FLR                  |  | MANUFACTURING Prato Plant                            |  | TR1-OP155 LINEA TRASP. ASSERVIM. PORTALI OP155                   |  | SCHEDE INGRESSI PLC                   |  | Commissari: 4562       |  | F.S. 1217 dt: 10104  |  |
| VIA G. D'ANNUNZIO, 5 10092 BERGAMO TORINO - ITALIA |  | VISTO TECNOL.FLR                      |  | EPLAN 5.7.5                                          |  | Habr. 20.277                                                     |  |                                       |  |                        |  |                      |  |
| 1216EB16 1000.10                                   |  | ARRESTO PEZZO ZONA PORTALE AR5 CHIUSO |  | ARRESTO PEZZO ZONA PORTALE AR5 APERTO                |  | ARRESTO PEZZO ZONA PORTALE AR5 PRESENZA                          |  | CENTRATORE CT2 BRASSO                 |  | SOLLEVATORE CT3 BRASSO |  | SOLLEVATORE CT3 ALTO |  |



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| SCHEMA REV. 02   |  | DATA 12.10.2012    |  | ELENCO                |  | BREVETTO MOTORE         |  | ARMADIO ELETTRICO   |  | Dis. N°:            |  |
| REVISIONE FOG.10 |  | DISEGN. TEKNOLOGIA |  | ENGINE & TRANSMISSION |  | TRI-OP155 LINEA TRASP.  |  | SCHEMA INGRESSI PLC |  | 4562-SEL001         |  |
| 00.01            |  | VIA G. DANZANO, 5  |  | MANUFACTURING         |  | ASSERVIM. PORTALI OP155 |  | Commissa:           |  | F.D. 1217           |  |
|                  |  | 10092 BERNASCO     |  | Pretola Plant         |  |                         |  |                     |  | F.S. 1218 dt. 10104 |  |
|                  |  | TORINO-ITALIA      |  | Matr. 20.277          |  |                         |  |                     |  |                     |  |

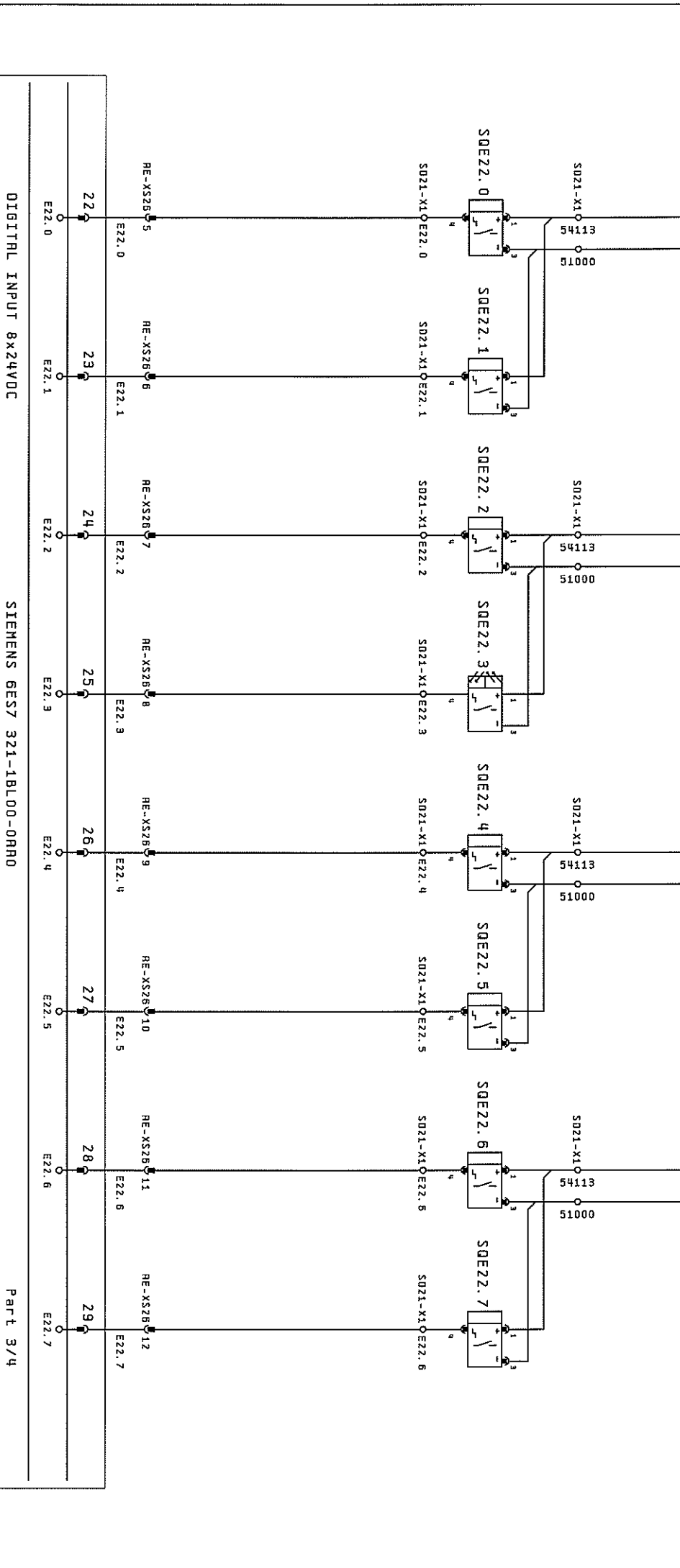
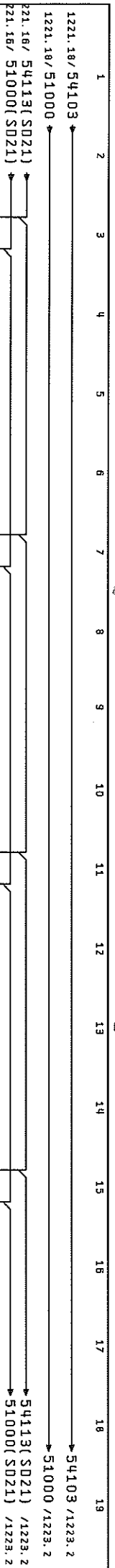




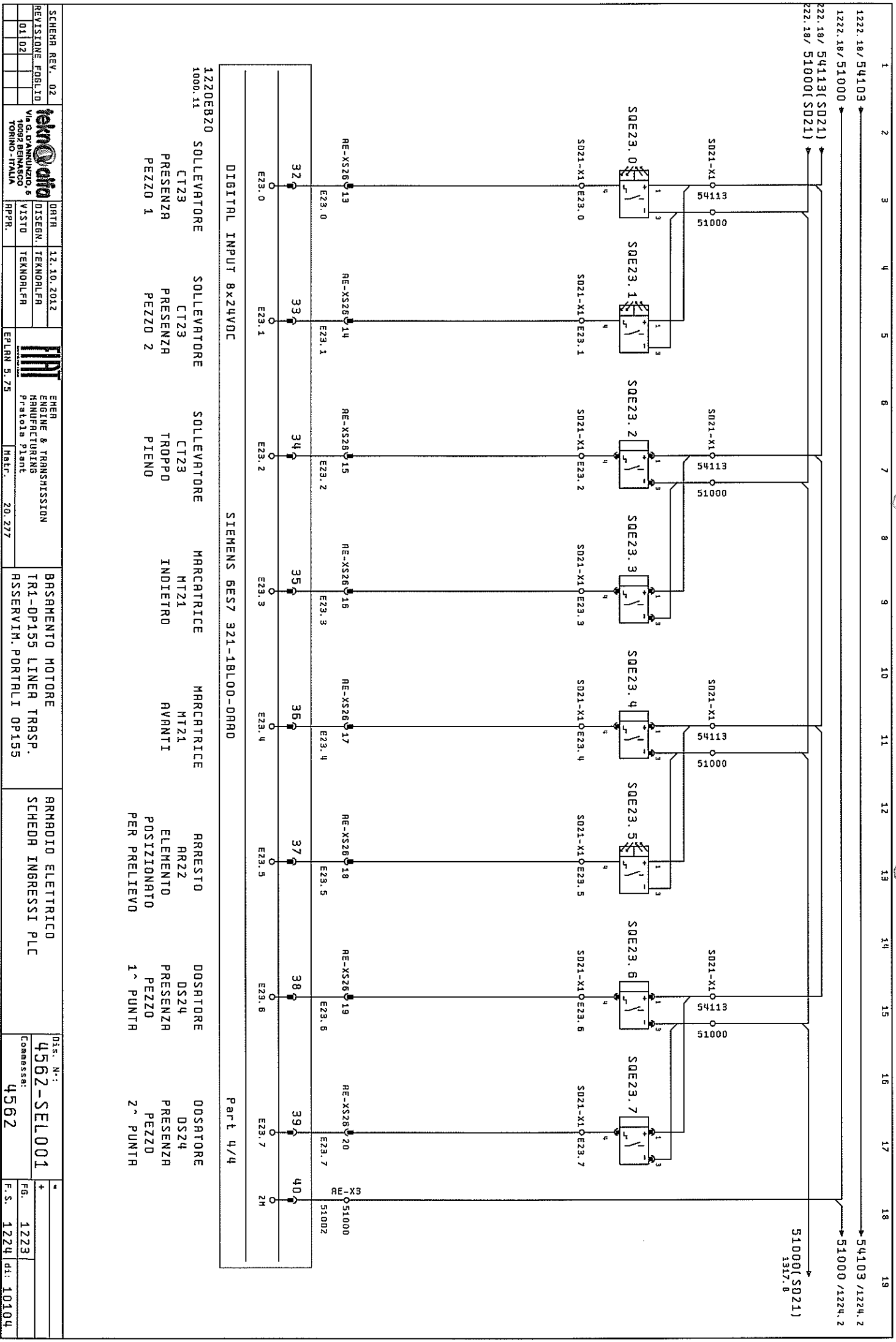


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| SCHEMA REV. 02   | DATA 12.10.2012 | ENER ENGINE & TRANSMISSION MANUFACTURING Plant | BASAMENTO MOTORE TRI-OP155 LINEA TRASP. ASSERVIM. PORTALI OP155 | ARMADIO ELETTRICO SCHEMA INGRESSI PLC | Dis. N°: 4562-SEL001 | +                   |
| REVISIONE F08L10 | 01              | TEKNOLOGIA                                     | TRI-OP155 LINEA TRASP. ASSERVIM. PORTALI OP155                  | SCHEMA INGRESSI PLC                   | Commissa: 4562       | Fg. 1220            |
| 01               | 01              | TEKNOLOGIA                                     | TRI-OP155 LINEA TRASP. ASSERVIM. PORTALI OP155                  | SCHEMA INGRESSI PLC                   | Commissa: 4562       | F.S. 1221 dt: 10104 |





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| 1000.11  |  |         |  |          |  |         |  |         |  |
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| PEZZO    |  | PEZZO   |  | PEZZO    |  | PEZZO   |  | PEZZO   |  |
| ZONA     |  | ZONA    |  | ZONA     |  | ZONA    |  | ZONA    |  |
| PORTALE  |  | PORTALE |  | PORTALE  |  | PORTALE |  | PORTALE |  |
| AR22     |  | AR22    |  | AR22     |  | AR22    |  | AR22    |  |
| CHIUSO   |  | APERTO  |  | PRESENZA |  | TROPPO  |  | PIENO   |  |
|          |  |         |  | PEZZO    |  | A VALLE |  |         |  |
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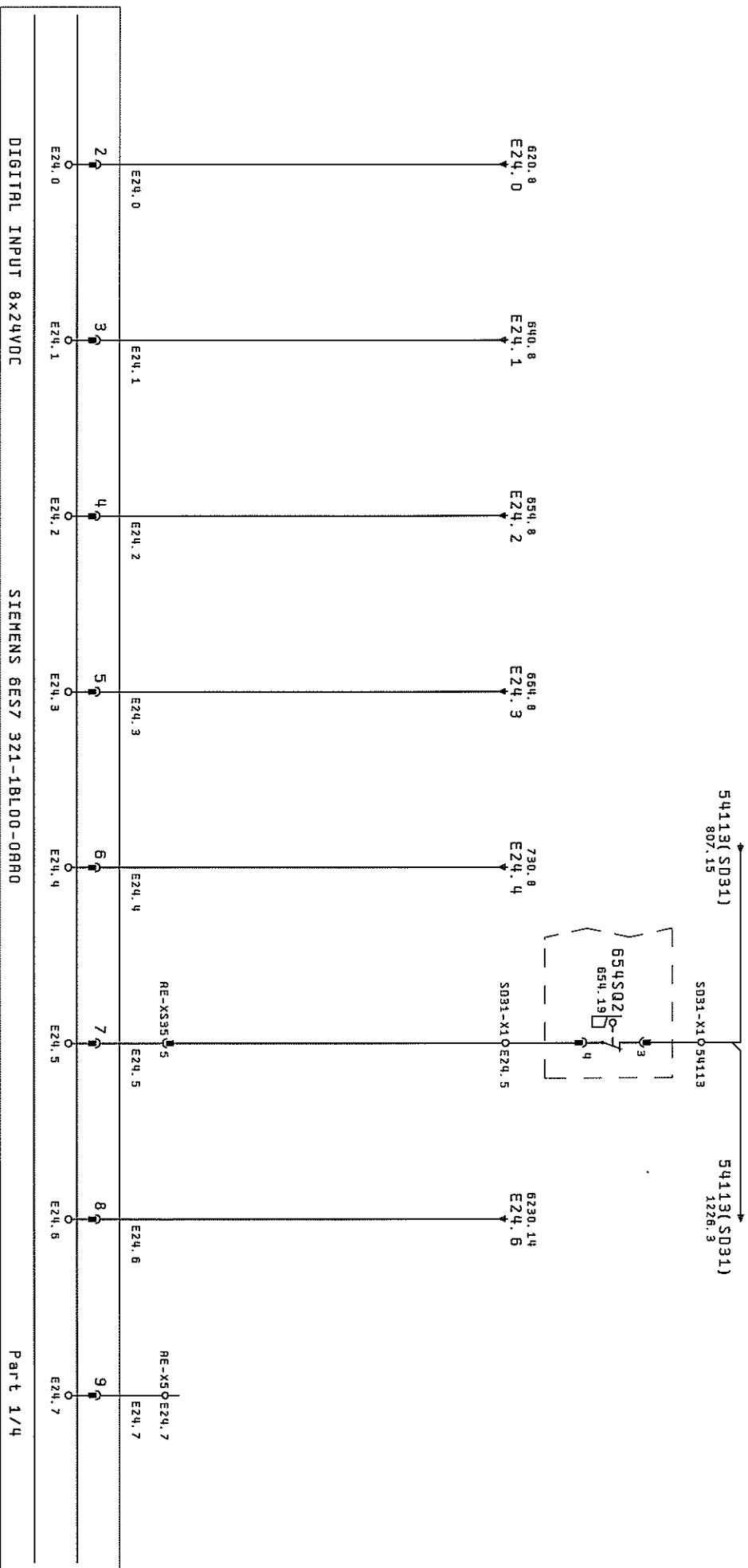
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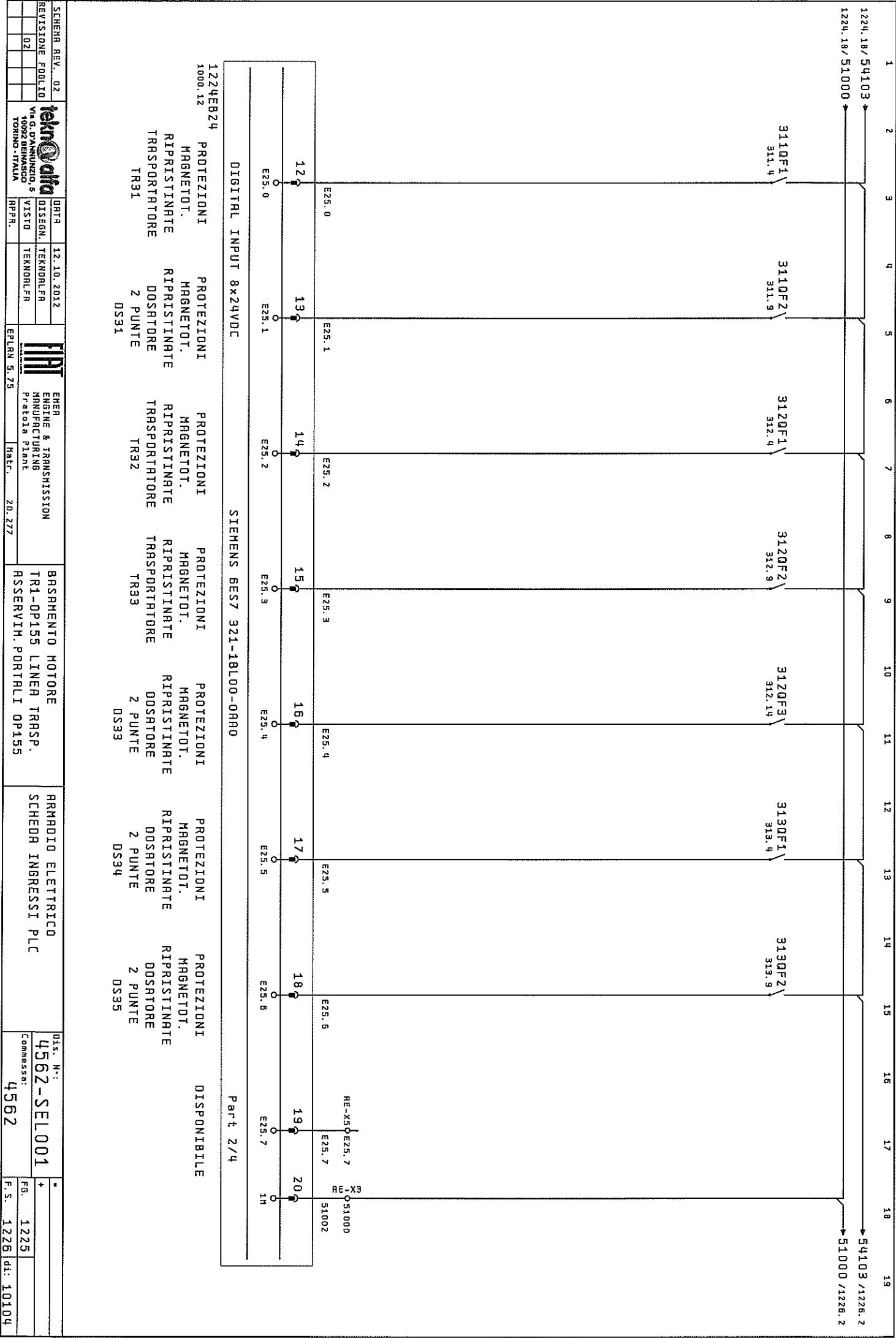
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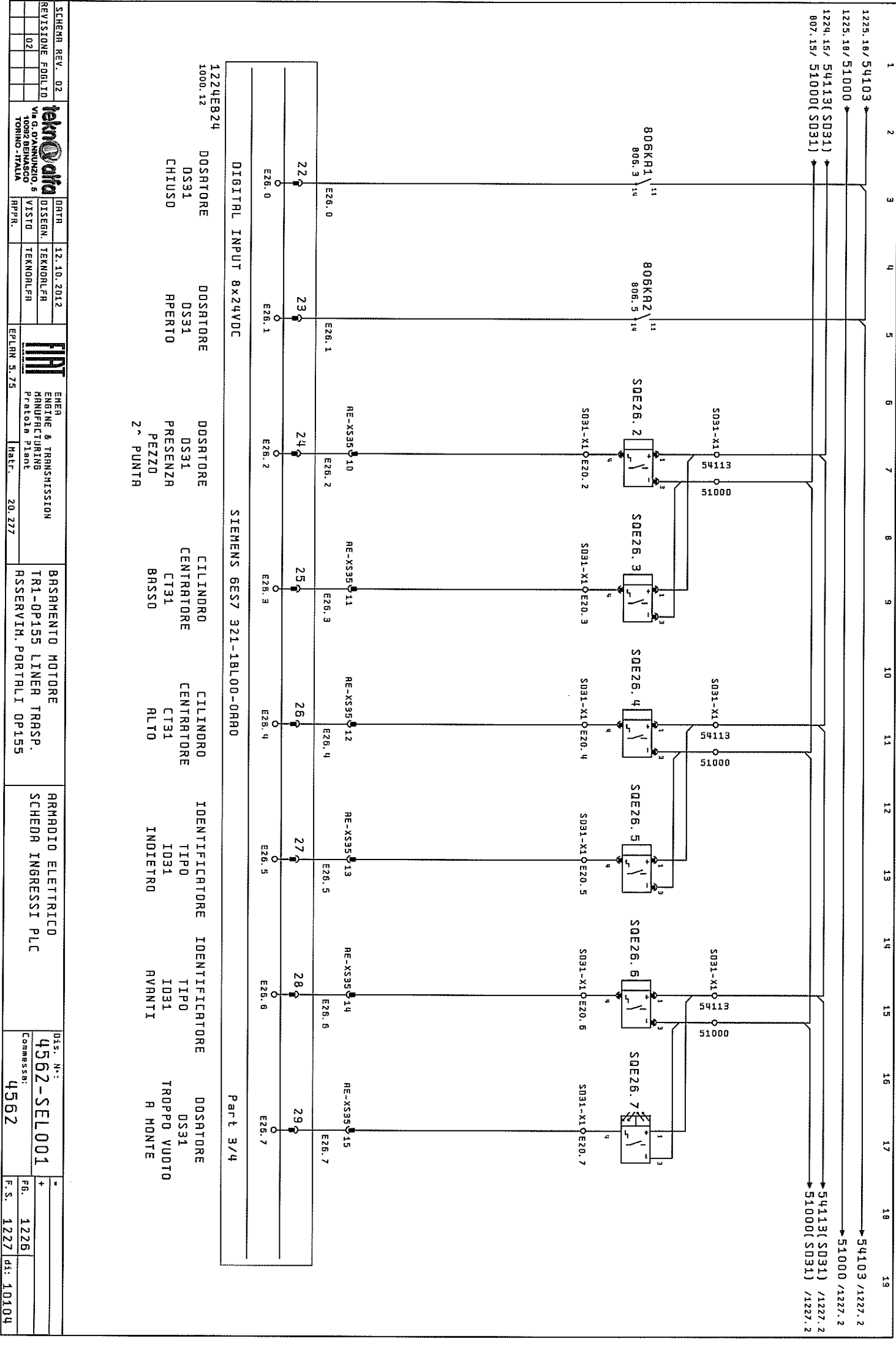
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PEZZO 1  
PUNTA

**DOSATORE**  
DS24  
PRESENZA  
PEZZO 2  
PUNTA



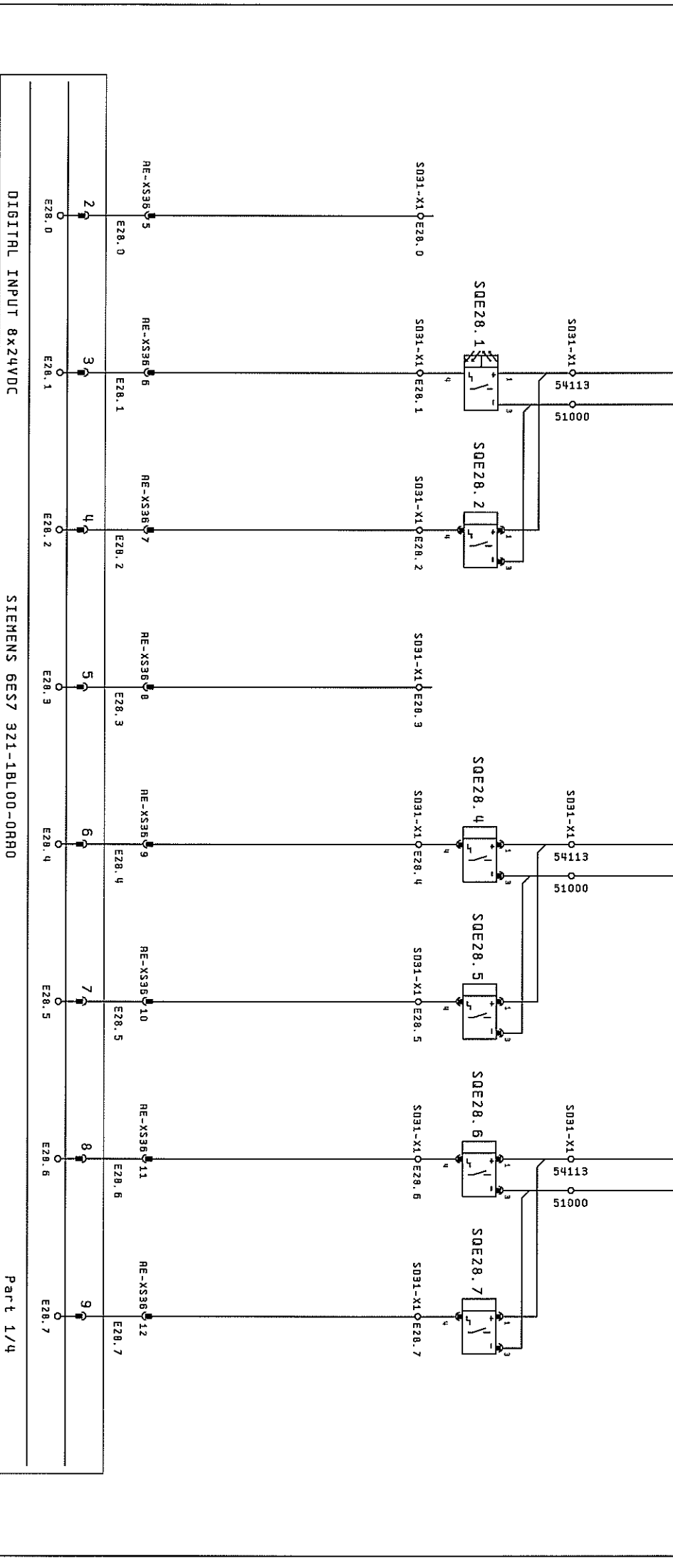
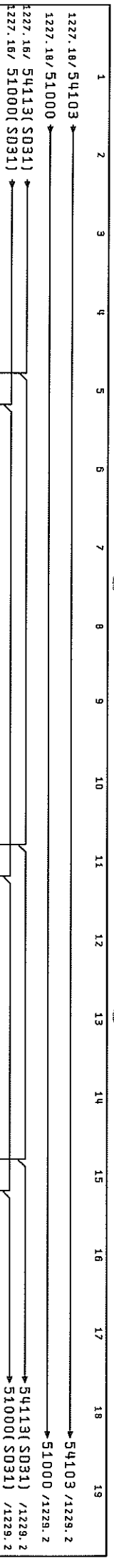
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| SCHEMA REV. 02  |  | DATA 12.10.2012   |  | ENER ENGINE & TRANSMISSION |  | ARMADIO ELETTRICO   |  | Dis. N°:            |  |
| REVISIONE FODLO |  | DISEGN. TEKNOPLFR |  | MANUFACTURING              |  | SCHEDE INGRESSI PLC |  | 4562-SEL001         |  |
| 02              |  | VISTO TEKNOPLFR   |  | Pratoletta Plant           |  |                     |  | + FG. 1224          |  |
|                 |  | RPRR.             |  | EPRN 5.75                  |  |                     |  | Comessato: 4562     |  |
|                 |  |                   |  | Matr. 20.277               |  |                     |  | F.S. 1225 dt: 10104 |  |
|                 |  |                   |  | BOSAMENTO MOTORE           |  |                     |  |                     |  |
|                 |  |                   |  | TR1-OP155 LINER TRASP.     |  |                     |  |                     |  |
|                 |  |                   |  | RASSERVIM. PORTALI OP155   |  |                     |  |                     |  |





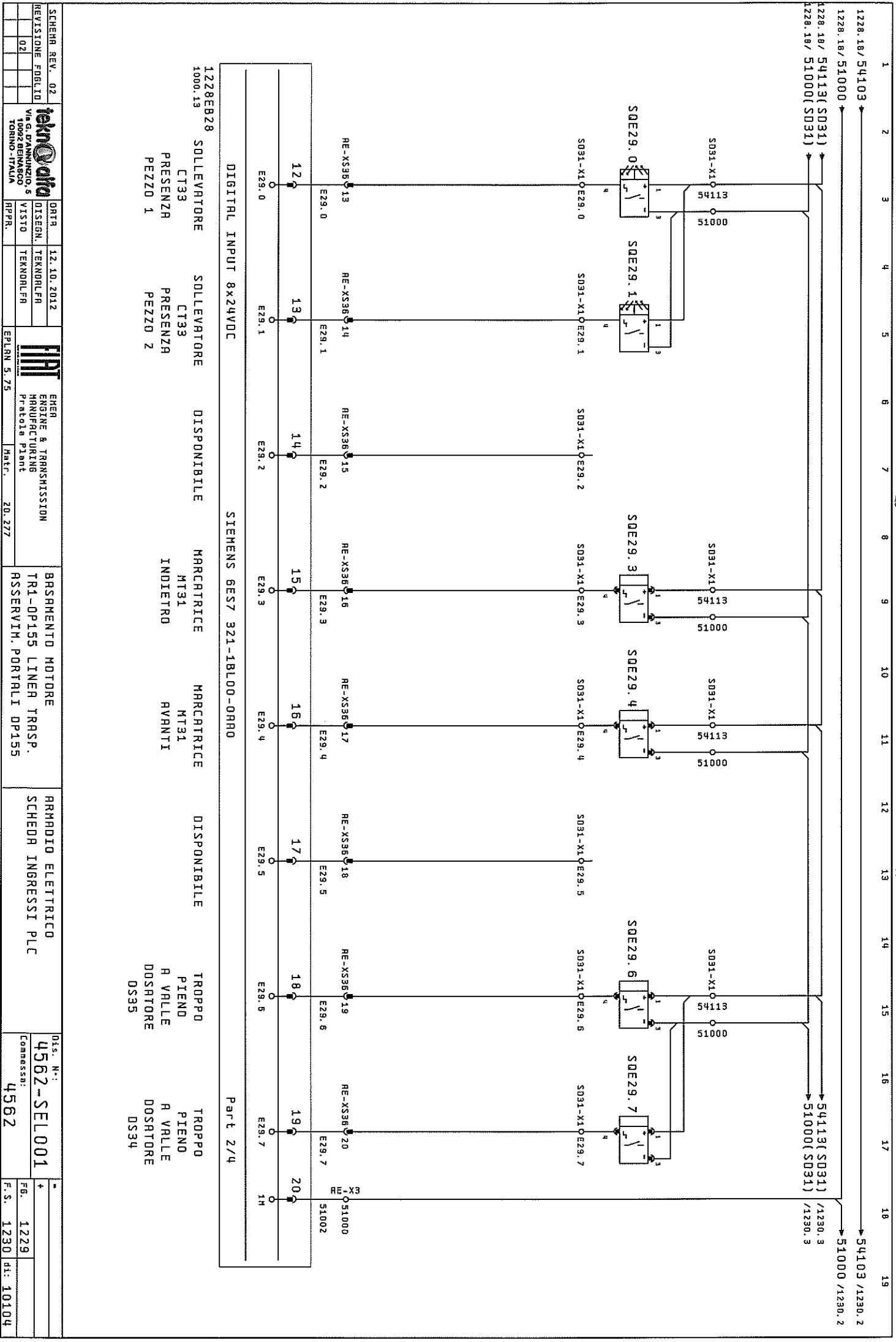
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| SCHEM. REV. 02   |  | DATA 12.10.2012    |  | ELEN. 20.277           |  |
| REVISIONE Foglio |  | DISEGN. TEKNOLOGIA |  | BASPAMENTO MOTORE      |  |
| 02               |  | VIA G. PANUNZIO, 5 |  | TRI-OP155 LINEA TRASP. |  |
|                  |  | 10092 DENNASCO     |  | ARMAIO ELETTRICO       |  |
|                  |  | TORINO-ITALIA      |  | SCHEDE INGRESSI PLC    |  |
|                  |  | RPR.               |  | Dis. N°:               |  |
|                  |  |                    |  | 4562-SEL001            |  |
|                  |  |                    |  | Commissio:             |  |
|                  |  |                    |  | 4562                   |  |
|                  |  |                    |  | F.S. 1227              |  |
|                  |  |                    |  | dt: 10104              |  |



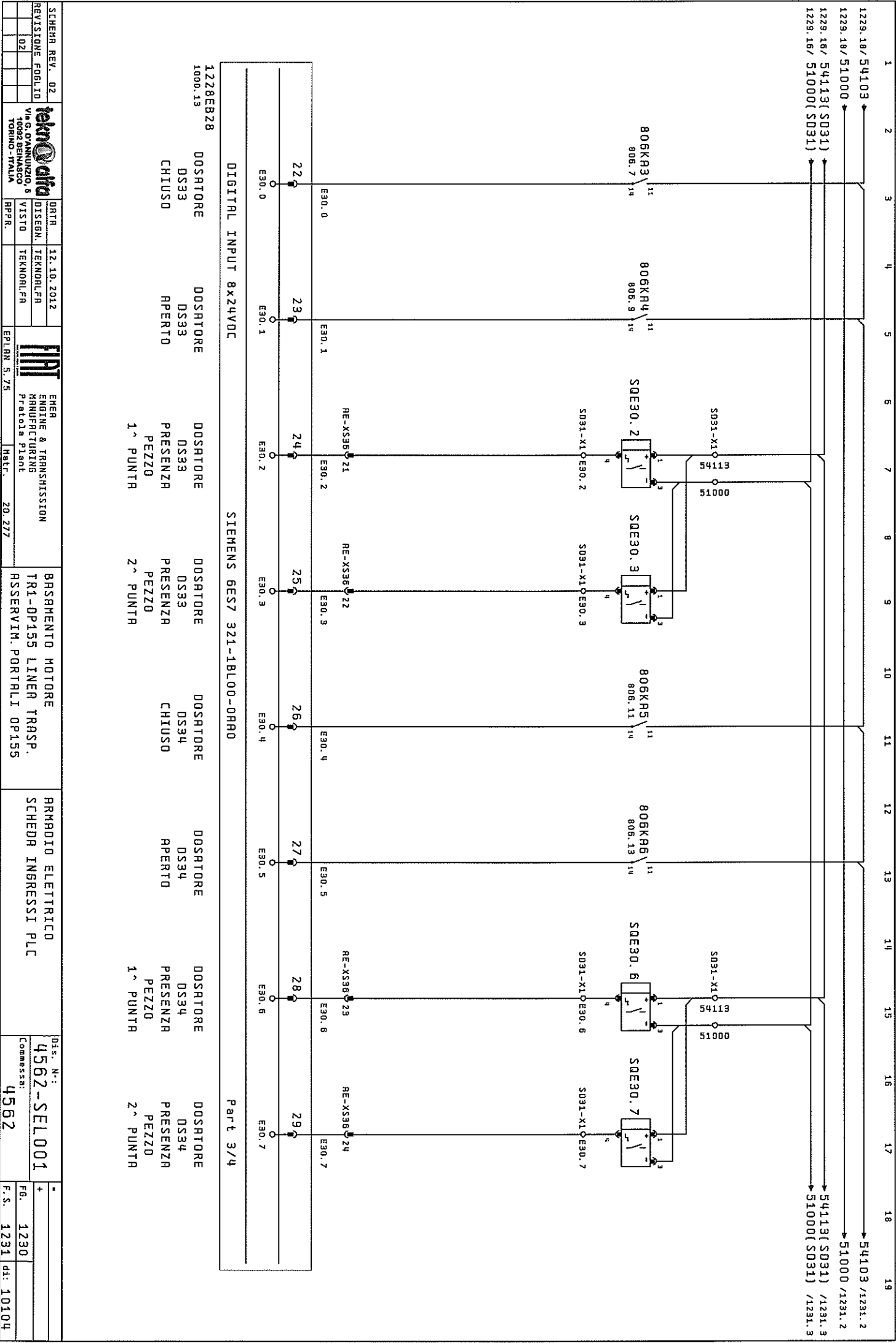


|          |             |                      |                   |             |                 |                 |                  |                  |
|----------|-------------|----------------------|-------------------|-------------|-----------------|-----------------|------------------|------------------|
| 1228EB28 | DISPONIBILE | ARRESTO PEZZO        | ARRESTO PEZZO     | DISPONIBILE | CENTRATORE CT32 | CENTRATORE CT32 | SOLLEVATORE CT33 | SOLLEVATORE CT33 |
| 1000.13  |             | ZONA PORTALE G3      | ZONA PORTALE G3   |             | BRASSO          | ALTO            | BRASSO           | ALTO             |
|          |             | ELEMENTO POSIZIONATO | ELEMENTO PRESENZA |             |                 |                 |                  |                  |
|          |             | PER PRELIEVO         |                   |             |                 |                 |                  |                  |

|                      |                   |                      |                         |             |           |
|----------------------|-------------------|----------------------|-------------------------|-------------|-----------|
| SCHEMA REV. 02       | DATA 12.10.2012   | ENGIN & TRANSMISSION | Dis. N°:                | 4562-SEL001 | +         |
| REVISIONE Foglio     | DISSEG. TECNOL.FR | ENGINEERING          | Compassa:               | 4562        | Fg. 1228  |
| 02                   | VISTO             | TECNOL.FR            |                         |             | F.S. 1229 |
| Via G. D'ANNUNZIO, 6 |                   | Prato Plant          | ARMADIO ELETTRICO       |             | dt. 10104 |
| 10092 BEINACCO       |                   |                      | TRI-OP155 LINER TRASP.  |             |           |
| TORINO - ITALIA      |                   |                      | ASSERVIM. PORTALI OP155 |             |           |
| APPF.                |                   | Modr.                | 20.277                  |             |           |

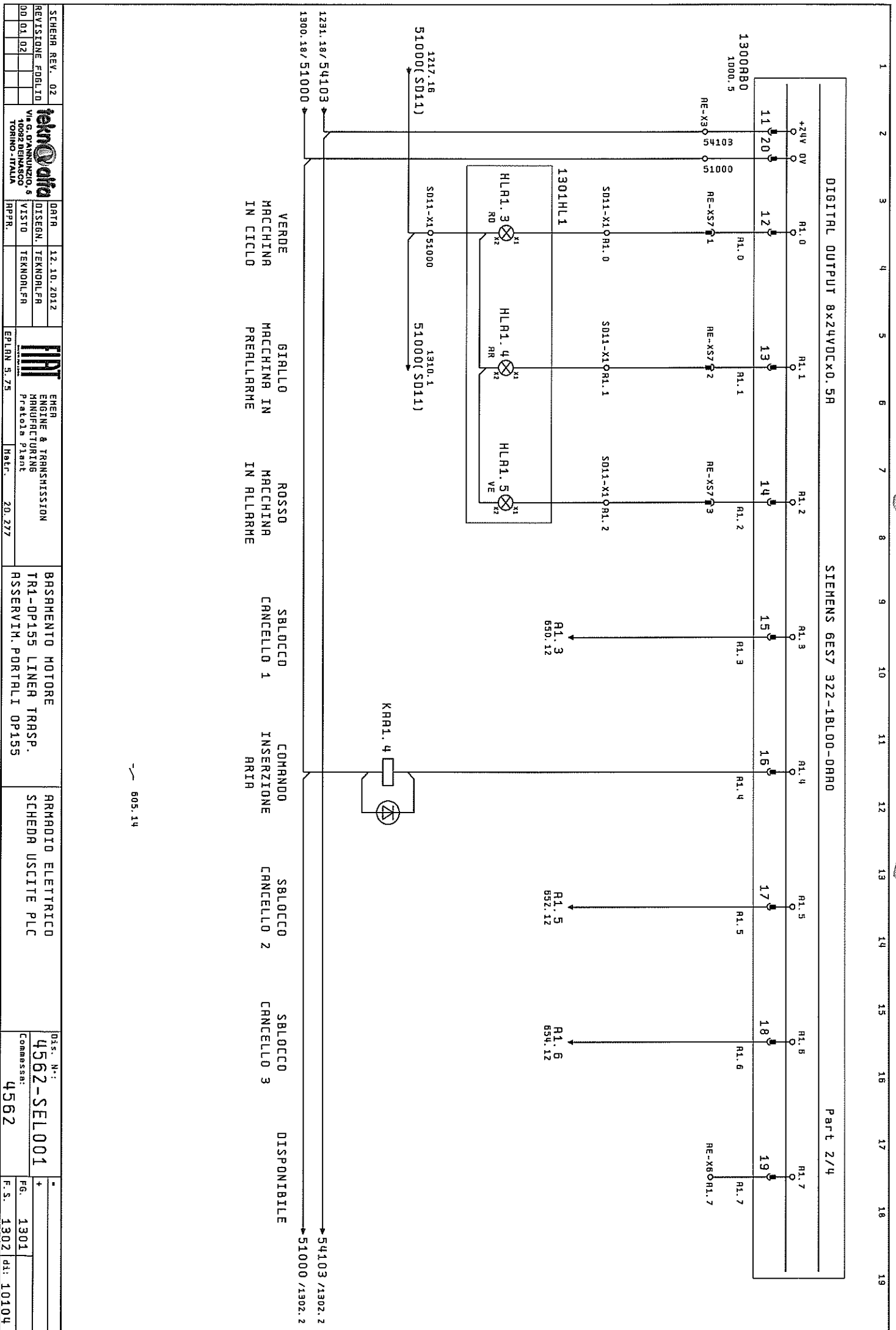


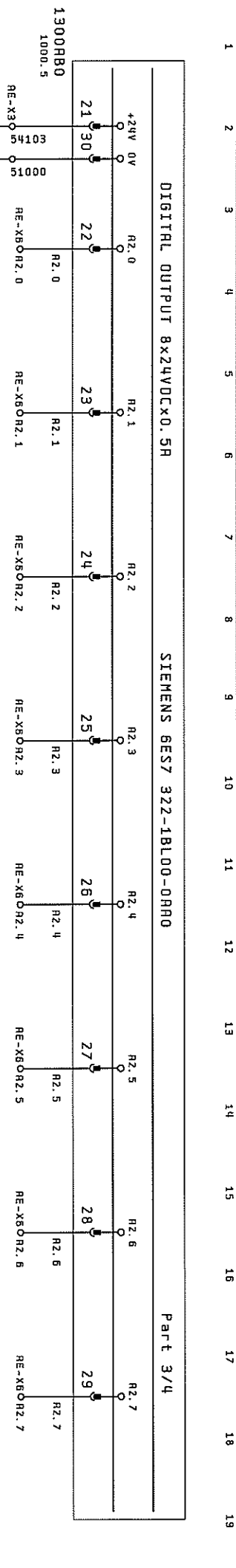
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|---------------------|--------------------|-----------------------------|------------------------------------------------|-----------|-------------|-----------|
| SCHEMA REV. 02      | DATA 12.10.2012    | ENTER ENGINE & TRANSMISSION | ARMADIO ELETTRICO                              | Dis. N°:  | 4562-SEL001 | F.S. 1229 |
| REVISIONE F006.10   | DISSEG. TEKNOLOGIA | MANUFACTURING               | SCHEDA INGRESSI PLC                            | Commissa: | 4562        | F.S. 1230 |
| 02                  | VISTO              | Prato Plant                 | TRI-OP155 LINER TRASP. ASSERVIM. PORTILI OP155 |           |             | dt: 10104 |
| TEKNOLOGIA          | TEKNOLOGIA         | Prato Plant                 |                                                |           |             |           |
| Via G. D'ANNUNZIO 6 | 10092 BENASCO      | Prato Plant                 |                                                |           |             |           |
| TORINO - ITALIA     | RPFR.              | Matr. 20.277                |                                                |           |             |           |











DISPONIBILE    DISPONIBILE    DISPONIBILE    DISPONIBILE    DISPONIBILE    DISPONIBILE    DISPONIBILE    DISPONIBILE

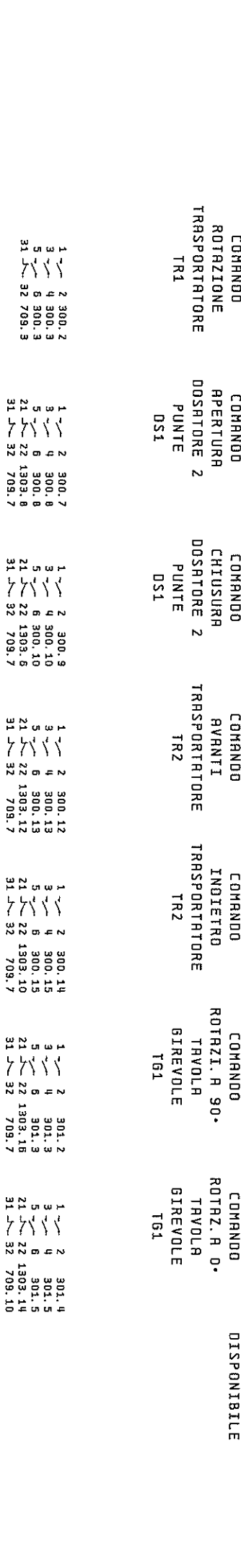
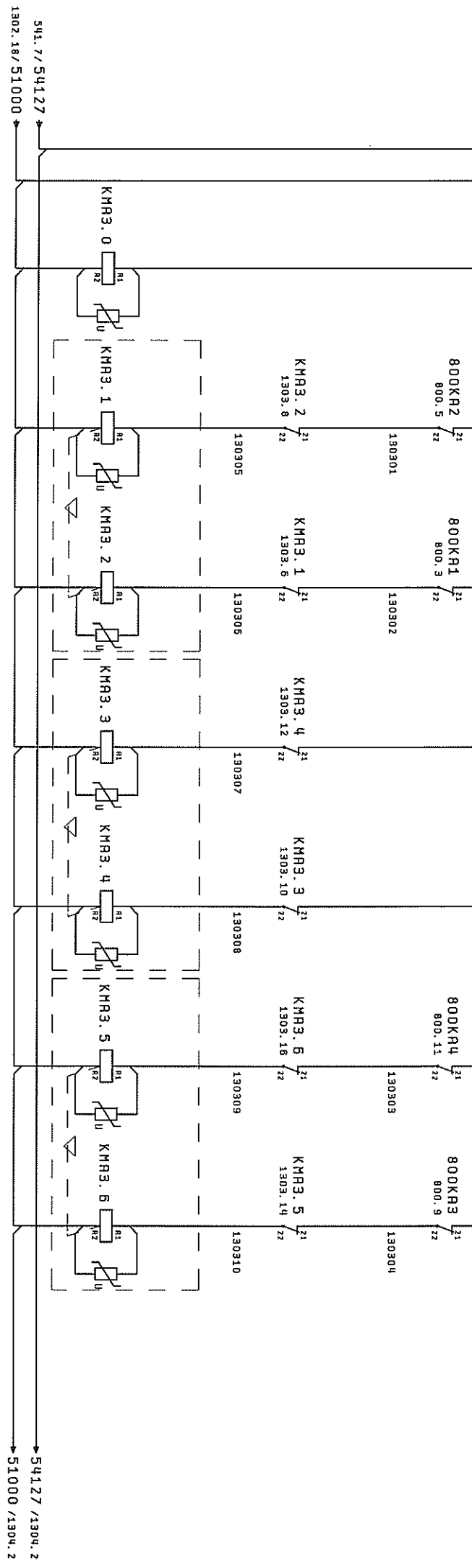
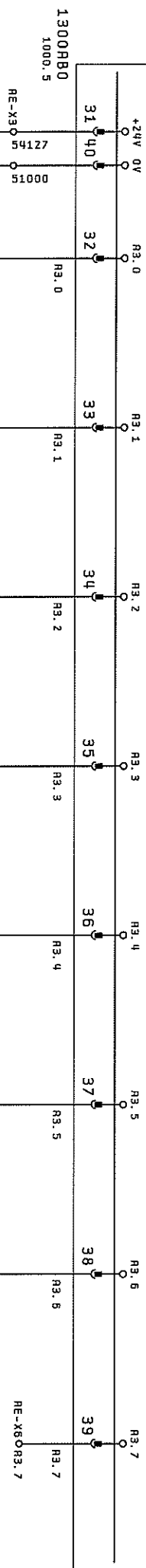
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|-------------------|--|--------------------|--|-------------------------|--|-------------------|--|----------------------|--|---|--|
| SCHEMA REV. 02    |  | DATA 12.10.2012    |  | BRASAMENTO MOTORE       |  | ARMADIO ELETTRICO |  | Dis. N.: 4562-SEL001 |  | - |  |
| REVISIONE FOR. 10 |  | DISSEG. TEKNOLOGIA |  | TRI-OP155 LINER TRASP.  |  | SCHEDA USCITE PLC |  | Compass: 4562        |  | + |  |
| 00                |  | VISTO              |  | ASSERVIM. PORTALI OP155 |  |                   |  | F.B. 1302            |  |   |  |
| TEKNOLOGIA        |  | TEKNOLOGIA         |  |                         |  |                   |  | F.S. 1303            |  |   |  |
| 10092 BENINAGGIO  |  | EPLN 5.75          |  | Matr. 20.277            |  |                   |  | dt: 10104            |  |   |  |
| TORINO - ITALIA   |  |                    |  |                         |  |                   |  |                      |  |   |  |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

DIGITAL OUTPUT 8x24VDCx0.5A

SIEMENS 6ES7 322-1B100-0AA0

Part 4/4

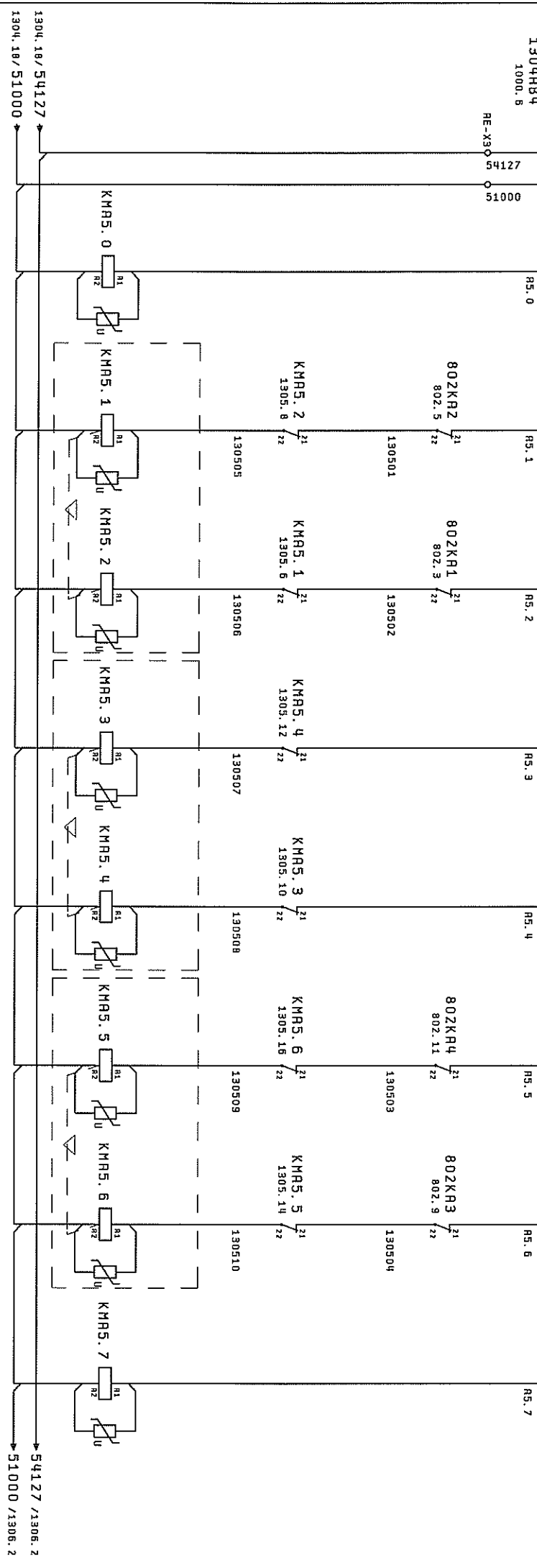
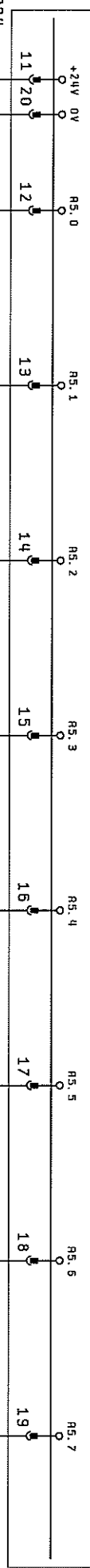


|                   |                    |                             |                         |                   |                 |                     |
|-------------------|--------------------|-----------------------------|-------------------------|-------------------|-----------------|---------------------|
| SCHEMA REV. 02    | DATA 12.10.2012    | ENGIN ENGINE & TRANSMISSION | BASAMENTO MOTORE        | ARMADIO ELETTRICO | Dis. N°:        | +                   |
| REVISIONE F001.10 | DISSEG. TEKNOLOGIA | MANUFACTURING               | TR1-OP155 LINER TRASP.  | SCHEDA USCITE PLC | 4562-SEL001     | F6. 1303            |
| 00                | VISTO TEKNOLOGIA   | Prato Plant                 | ASSERVIM. PORTALI OP155 |                   | Compressi: 4562 | F.S. 1304 dt: 10104 |
|                   | APP. R.            | Matr. 20.277                |                         |                   |                 |                     |



DISPONIBILE

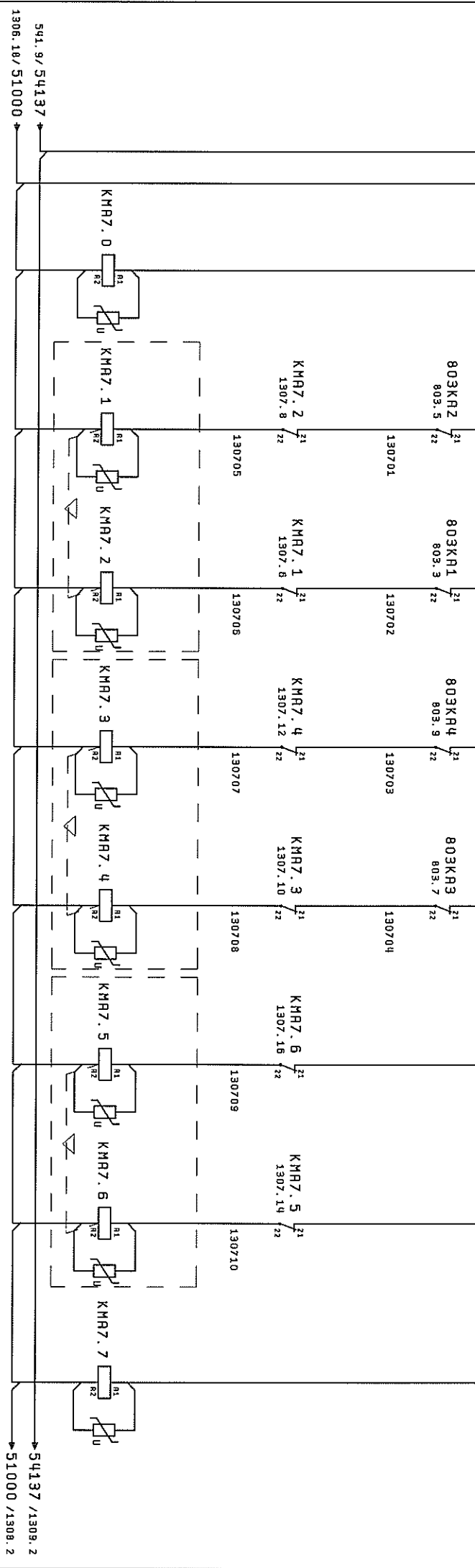
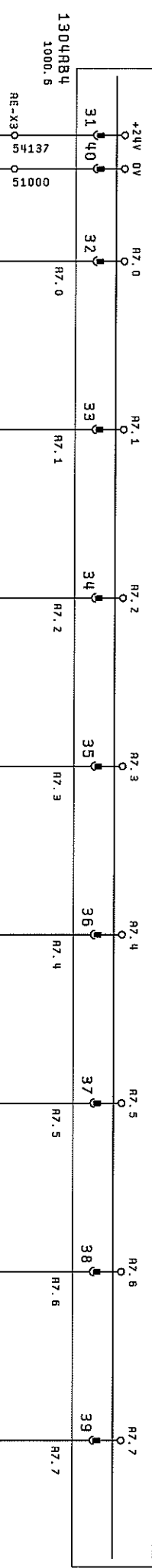
DIGITAL OUTPUT 8x24VDCx0.5A SIEMENS 6ES7 322-1BL00-0AA0 Part 2/4



- |    |    |        |    |    |        |    |    |        |    |    |         |    |    |         |    |    |         |    |    |         |    |    |        |
|----|----|--------|----|----|--------|----|----|--------|----|----|---------|----|----|---------|----|----|---------|----|----|---------|----|----|--------|
| 1  | 2  | 302.7  | 1  | 2  | 302.12 | 1  | 2  | 302.14 | 1  | 2  | 303.2   | 1  | 2  | 303.4   | 1  | 2  | 303.7   | 1  | 2  | 303.9   | 1  | 2  | 303.12 |
| 3  | 4  | 302.8  | 3  | 4  | 302.13 | 3  | 4  | 302.15 | 3  | 4  | 303.3   | 3  | 4  | 303.5   | 3  | 4  | 303.6   | 3  | 4  | 303.10  | 3  | 4  | 303.13 |
| 5  | 6  | 302.8  | 5  | 6  | 302.13 | 5  | 6  | 302.15 | 5  | 6  | 303.3   | 5  | 6  | 303.5   | 5  | 6  | 303.8   | 5  | 6  | 303.10  | 5  | 6  | 303.13 |
| 31 | 32 | 709.13 | 21 | 22 | 1305.8 | 21 | 22 | 1305.8 | 21 | 22 | 1305.12 | 21 | 22 | 1305.10 | 21 | 22 | 1305.16 | 21 | 22 | 1305.14 | 31 | 32 | 709.17 |
| 31 | 32 | 709.13 | 31 | 32 | 709.13 | 31 | 32 | 709.13 | 31 | 32 | 709.17  | 31 | 32 | 709.17  | 31 | 32 | 709.17  | 31 | 32 | 709.17  | 31 | 32 | 709.17 |



DIGITAL OUTPUT 8x24VDCx0.5A SIEMENS 6ES7 322-1BL00-0AA0 Part 4/4



| COMANDO       | COMANDO    | COMANDO    | COMANDO    | COMANDO    | COMANDO       | COMANDO       | COMANDO       |
|---------------|------------|------------|------------|------------|---------------|---------------|---------------|
| ROTAZIONE     | APERTURA   | CHIUSURA   | APERTURA   | CHIUSURA   | AVANTI        | INDIETRO      | ROTAZIONE     |
| TRASPORTATORE | DOSATORE 2 | DOSATORE 2 | DOSATORE 2 | DOSATORE 2 | TRASPORTATORE | TRASPORTATORE | TRASPORTATORE |
| TR3           | PUNTE      | PUNTE      | PUNTE      | PUNTE      | TR4           | TR4           | TR5           |
| DS2           | DS2        | DS4        | DS4        | DS4        |               |               |               |

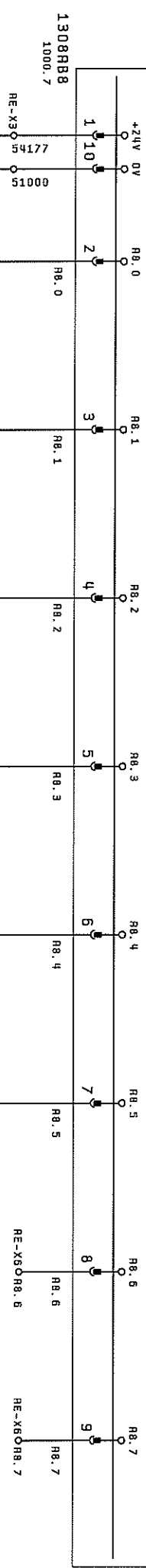
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|-------------|--------------|-------------|---------------|-------------|---------------|--------------|
| 1 305.2     | 2 305.7      | 1 305.9     | 2 305.12      | 1 306.2     | 2 306.5       | 1 306.7      |
| 3 305.3     | 4 305.8      | 3 305.10    | 4 305.13      | 3 306.3     | 4 306.5       | 3 306.8      |
| 5 305.3     | 6 305.8      | 5 305.10    | 6 305.13      | 5 306.3     | 6 306.5       | 5 306.8      |
| 31 32 719.3 | 21 22 1307.8 | 31 32 719.7 | 21 22 1307.12 | 31 32 719.7 | 21 22 1307.16 | 31 32 719.10 |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

DIGITAL OUTPUT 8x24VDCx0.5A

SIEMENS 6ES7 322-1BL00-0AA0

Part 1/4



54L13/54177  
1307.18/51000  
51000/13009.2

| COMANDO       | COMANDO       | COMANDO    | COMANDO    | COMANDO    | COMANDO    | DISPONIBILE | DISPONIBILE |
|---------------|---------------|------------|------------|------------|------------|-------------|-------------|
| AVANTI        | INDIETRO      | APERTURA   | CHIUSURA   | APERTURA   | CHIUSURA   |             |             |
| TRASPORTATORE | TRASPORTATORE | DOSATORE 2 | DOSATORE 2 | DOSATORE 2 | DOSATORE 2 |             |             |
| TR51          | TR51          | PUNTE      | PUNTE      | PUNTE      | PUNTE      |             |             |
|               |               | DS51       | DS51       | DS52       | DS52       |             |             |

| 1         | 2         | 3         | 4         | 5         | 6          | 7          | 8          | 9          | 10         | 11         | 12         | 13         | 14         | 15         | 16         | 17         | 18         | 19         |
|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1         | 2         | 3         | 4         | 5         | 6          | 7          | 8          | 9          | 10         | 11         | 12         | 13         | 14         | 15         | 16         | 17         | 18         | 19         |
| 307.2     | 307.3     | 307.4     | 307.5     | 307.6     | 307.7      | 307.8      | 307.9      | 307.10     | 307.11     | 307.12     | 307.13     | 307.14     | 307.15     | 307.16     | 307.17     | 307.18     | 307.19     | 307.20     |
| 22 1308.5 | 22 1308.6 | 22 1308.7 | 22 1308.8 | 22 1308.9 | 22 1308.10 | 22 1308.11 | 22 1308.12 | 22 1308.13 | 22 1308.14 | 22 1308.15 | 22 1308.16 | 22 1308.17 | 22 1308.18 | 22 1308.19 | 22 1308.20 | 22 1308.21 | 22 1308.22 | 22 1308.23 |
| 31        | 32        | 31        | 32        | 31        | 32         | 31         | 32         | 31         | 32         | 31         | 32         | 31         | 32         | 31         | 32         | 31         | 32         | 31         |

|                      |                    |                            |                         |                   |            |             |                     |
|----------------------|--------------------|----------------------------|-------------------------|-------------------|------------|-------------|---------------------|
| SCHEMA REV. 02       | DATA 12.10.2012    | EMER ENGINE & TRANSMISSION | BASAMENTO MOTORE        | ARMADIO ELETTRICO | Dis. N°:   | 4562-SEL001 | +                   |
| REVISIONE Foglio     | DISEGN. TEKNOLOGIA | MANUFACTURING              | TRI-DP155 LINEA TRASP.  | SCHEDA USCITE PLC | Commissio: | 4562        | Fg. 1308            |
| 00 01                | VISTO              | Prato Plant                | ASSERVIM. PORTILI OP155 |                   |            |             | F.S. 1309 dt. 10104 |
| teknologia           |                    | FMI                        |                         |                   |            |             |                     |
| Via G. D'Annunzio, 5 |                    | Prato Plant                |                         |                   |            |             |                     |
| 10092 DENNASCO       |                    |                            |                         |                   |            |             |                     |
| TORINO - ITALIA      |                    |                            |                         |                   |            |             |                     |
| APPR.                |                    | EPLAN 5.75                 |                         |                   |            |             |                     |
|                      |                    | Matr.                      |                         |                   |            |             |                     |
|                      |                    | 20.277                     |                         |                   |            |             |                     |

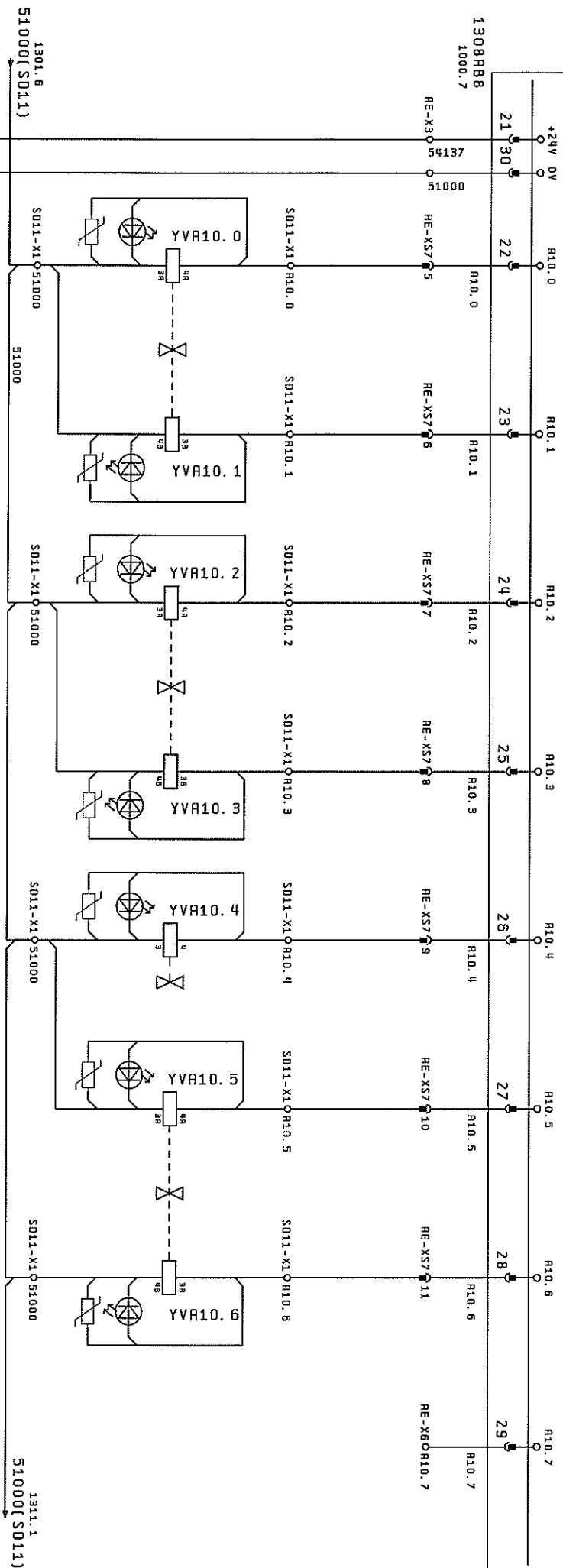


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DIGITAL OUTPUT 8x24VDCx0.5A

SIEMENS 6ES7 322-1BL00-0AA0

Part 3/4



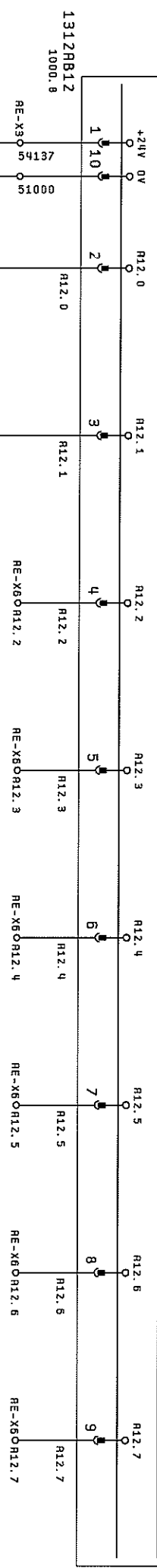
CENTRATORE CT1  
SALITA  
CENTRATORE CT1  
DISCESA  
IDENTIFICATORE ID1  
AVANZAMENTO  
IDENTIFICATORE ID1  
RITORNO  
IDENTIFICATORE ID1  
ABILITA  
MOVIMENTO  
ARRESTO PEZZO AR5  
ARRESTO PEZZO AR5  
DISPONIBILE

|                                                   |  |                  |  |                                                       |  |                                                                  |  |                                     |  |                      |  |           |  |
|---------------------------------------------------|--|------------------|--|-------------------------------------------------------|--|------------------------------------------------------------------|--|-------------------------------------|--|----------------------|--|-----------|--|
| SCHEMA REV. 02                                    |  | DATA 12.10.2012  |  | FAT                                                   |  | BASSAMENTO MOTORE TRI-OP155 LINEA TRASP. ASSERVIM. PORTALI OP155 |  | ARMADIO ELETTRICO SCHEDE USCITE PLC |  | Dis. N°: 4562-SEL001 |  | F.S. 1310 |  |
| REVISIONE Foglio                                  |  | DISEGN. TEKNOPLA |  | ELEN. ENGINE & TRANSMISSION MANUFACTURING Prato Plant |  | TRI-OP155 LINEA TRASP. ASSERVIM. PORTALI OP155                   |  | SCHEDE USCITE PLC                   |  | Compass: 4562        |  | F.S. 1310 |  |
| VIA G. D'ANNUNZIO, 5 10092 BIELLA TORINO - ITALIA |  | VISTO TEKNOPLA   |  | EPLAN 5.75                                            |  | HETR. 20.277                                                     |  |                                     |  |                      |  | F.S. 1311 |  |



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

DIGITAL OUTPUT 8x24VDCx0.5A SIEMENS 6ES7 322-1B100-0AA0 Part 1/4



1311.18/54137 1311.18/51000 51000/1313.2

COMANDO APERTURA CHiusura  
DOSATORE 2 DOSATORE 2  
PUNTE PUNTE  
DS8 DS8

1 2 306.12  
3 4 306.13  
5 6 306.13  
21 22 1312.6  
1 2 306.14  
3 4 306.15  
5 6 306.15  
21 22 1312.4

|                  |  |                                      |  |                             |  |                                                                |  |                                     |  |                      |  |                     |  |
|------------------|--|--------------------------------------|--|-----------------------------|--|----------------------------------------------------------------|--|-------------------------------------|--|----------------------|--|---------------------|--|
| SCHEMA REV. 02   |  | DATA 12.10.2012                      |  | FIR ENGINE & TRANSMISSION   |  | BASAMENTO MOTORE TRI-OP155 LINEA TRASP. ASSEVIM. PORTALI OP155 |  | ARMADIO ELETTRICO SCHEDA USCITE PLC |  | DLS. N°: 4562-SEL001 |  | F.S. 1313 dt. 10104 |  |
| REVISIONE FOGLIO |  | DISSEG. TECNOLFA                     |  | MANUFACTURING Pretola Plant |  | TRI-OP155 LINEA TRASP. ASSEVIM. PORTALI OP155                  |  | ARMADIO ELETTRICO SCHEDA USCITE PLC |  | Comessa: 4562        |  | F.S. 1313 dt. 10104 |  |
| 00 02            |  | VIA G. D'ANNUNZIO, 5 TORINO - ITALIA |  | TEKNOALFA RPPF.             |  | EPIAN 5.75 Matr. 20.277                                        |  |                                     |  |                      |  |                     |  |



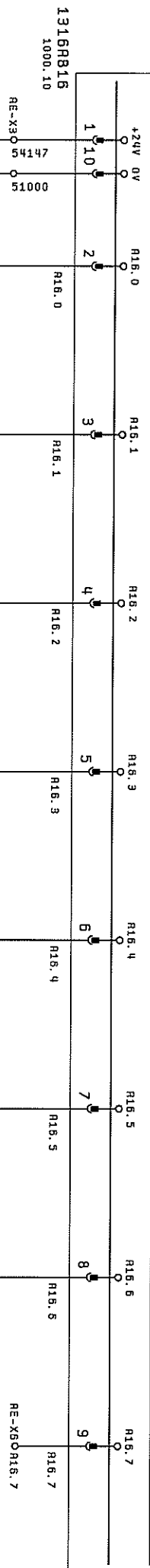




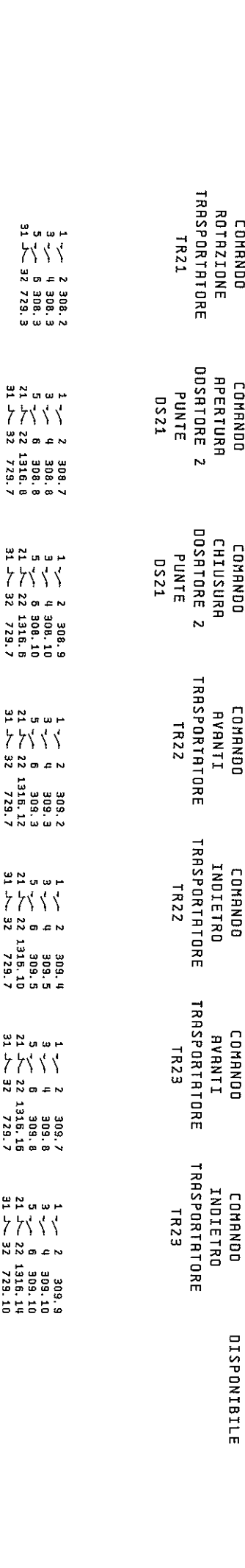
DIGITAL OUTPUT 8x24VDCx0.5A

SIEMENS 6ES7 322-1BL00-0AA0

Part 1/4



541.10/541.47 1315.18/51000 541.47/1317.2 51000/1317.2



|                      |  |                 |  |                       |  |                          |  |                    |  |             |  |           |  |
|----------------------|--|-----------------|--|-----------------------|--|--------------------------|--|--------------------|--|-------------|--|-----------|--|
| CLENZA REV. 02       |  | DATA 12.10.2012 |  | FAT                   |  | BASSAMENTO MOTORE        |  | ARMADIO ELETTRICO  |  | Dis. N°:    |  | -         |  |
| VISIONE FOGLIO       |  | VISTO           |  | ENGINE & TRANSMISSION |  | TRI-OP155 LINEA TRASP.   |  | SCHEDE USCITE PLC  |  | 4562-SEL001 |  | +         |  |
| VIA G. D'ANNUNZIO, 6 |  | TEKNOLOGIA      |  | MANUFACTURING         |  | ASSEVERIM. PORTALI OP155 |  | SCHIEDA USCITE PLC |  | Commissari: |  | F6. 1316  |  |
| TORINO - ITALIA      |  | TEKNOLOGIA      |  | Pretola Plant         |  | Metr. 20.277             |  |                    |  | 4562        |  | F.S. 1317 |  |
|                      |  |                 |  |                       |  |                          |  |                    |  |             |  | dt: 10104 |  |

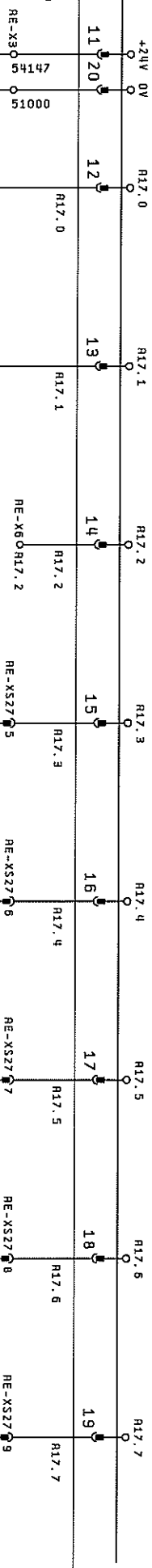
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DIGITAL OUTPUT 8x24VDCx0.5A

SIEMENS 6ES7 322-1BL00-0AA0

Part 2/4

1316R816  
1000.10



1316.18/54147  
1316.18/51000  
54147 /1316.2  
51000 /1316.2

| COMANDO    | COMANDO    | DISPONIBILE | CENTRATORE | CENTRATORE | IDENTIFICATORE | IDENTIFICATORE | IDENTIFICATORE |
|------------|------------|-------------|------------|------------|----------------|----------------|----------------|
| APERIURA   | CHIUSURA   |             | CT21       | CT21       | ID21           | ID21           | ID21           |
| DOSATORE 2 | DOSATORE 2 |             | SALITA     | DISCESA    | AVANZAMENTO    | RITORNO        | ABILITA        |
| PUNTE      | PUNTE      |             |            |            |                |                | MOVIMENTO      |
| DS23       | DS23       |             |            |            |                |                |                |

1 2 309.12  
3 4 309.13  
5 6 309.13  
21 22 1317.6  
31 32 729.10

1 2 309.14  
3 4 309.15  
5 6 309.15  
21 22 1317.4  
31 32 729.10

|                |  |                      |  |                            |  |                      |  |           |  |
|----------------|--|----------------------|--|----------------------------|--|----------------------|--|-----------|--|
| SCHEMA REV. 02 |  | DATA 12.10.2012      |  | EMER ENGINE & TRANSMISSION |  | DISEGNO: 4562-SEL001 |  | F.S. 1318 |  |
| VISIONE FODLID |  | VIA G. D'ANNUNZIO, 6 |  | TR1-OP155 LINER TRASP.     |  | F.S. 1317            |  | dt: 10104 |  |
| 0.01           |  | TEKNOLOGIA           |  | RISERVA PORTALI OP155      |  | Compass: 4562        |  |           |  |
|                |  | TORINO-ITALIA        |  |                            |  |                      |  |           |  |
|                |  | RPR.                 |  | 20.277                     |  |                      |  |           |  |

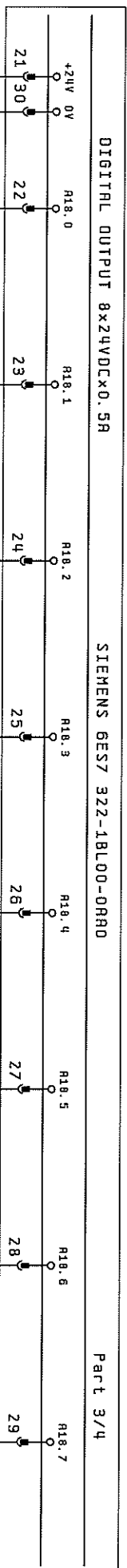
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

DIGITAL OUTPUT 8x24VDCx0.5A

SIEMENS 6ES7 322-1BL00-0AA0

Part 3/4

1316RB16  
1000.10



RE-X30 5

RE-XS27 10

RE-XS27 11

RE-XS27 12

RE-XS27 13

RE-XS27 14

RE-XS27 15

RE-XS27 16

RE-X6OR18.7

SD21-X1 0 R18.0

SD21-X1 0 R18.1

SD21-X1 0 R18.2

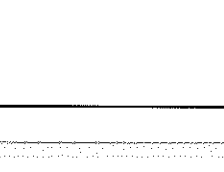
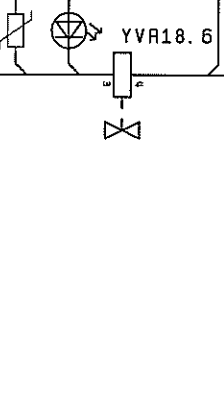
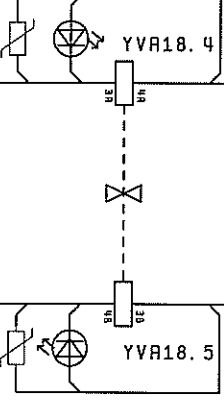
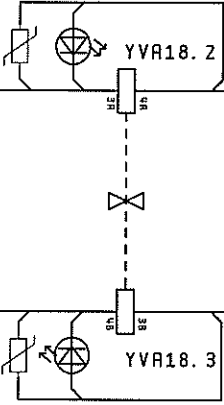
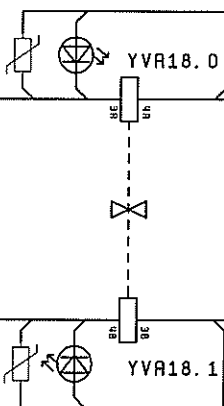
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SD21-X1 0 R18.4

SD21-X1 0 R18.5

SD21-X1 0 R18.6

SD21-X1 0 R18.7



1317.19  
51000 (SD21)

SD21-X1 0 51000

SD21-X1 0 51000

SD21-X1 0 51000

SD21-X1 0 51000

SD21-X1 0 51000

SD21-X1 0 51000

SD21-X1 0 51000

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SD21-X1 0 51000

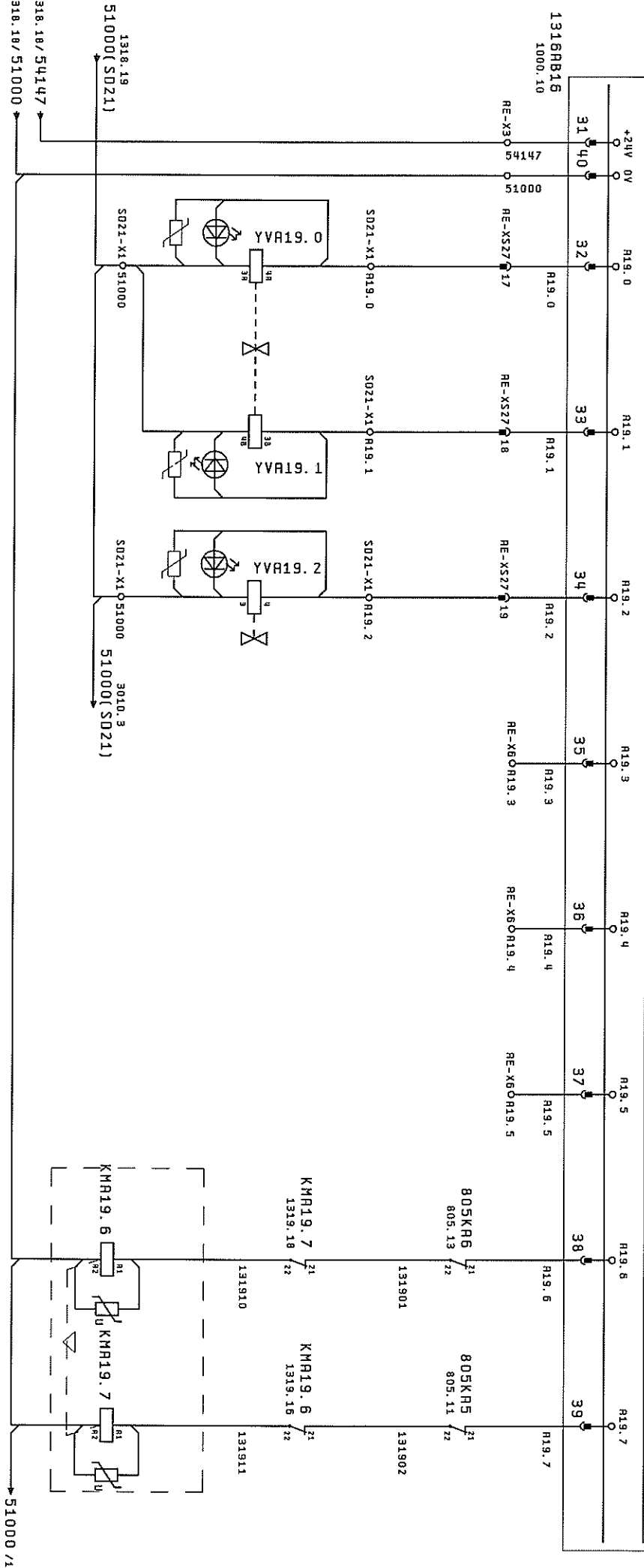
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SD21-X1 0 51000

1317.18/54147  
1317.18/51000  
54147 / 1319.2  
51000 / 1319.2

ARRESTO ARRESTO CENTRATORE CENTRATORE SOLLEVATORE SOLLEVATORE SOLLEVATORE  
PEZZO PEZZO CT22 CT22 CT23 CT23 CT23  
ARZZ ARZZ SALITA SALITA SALITA  
APERTURA CHIUSURA

DIGITAL OUTPUT 8x24VDCx0.5A SIEMENS 6ES7 322-1BL00-0AA0 Part 4/4



MARCATRICE MT21  
AVANZAMENTO RITORNO  
MARCATRICE MT21  
ABILITR MOIVIMENTI

COMANDO APERTURA  
DOSATORE 2 PUNTE  
DS24  
COMANDO CHIUSURA  
DOSATORE 2 PUNTE  
DS24

- 1 2 310.2
- 3 4 310.3
- 5 6 310.3
- 21 22 1319.18
- 31 32 729.10
- 1 2 310.4
- 3 4 310.5
- 5 6 310.5
- 21 22 1319.16
- 31 32 729.10