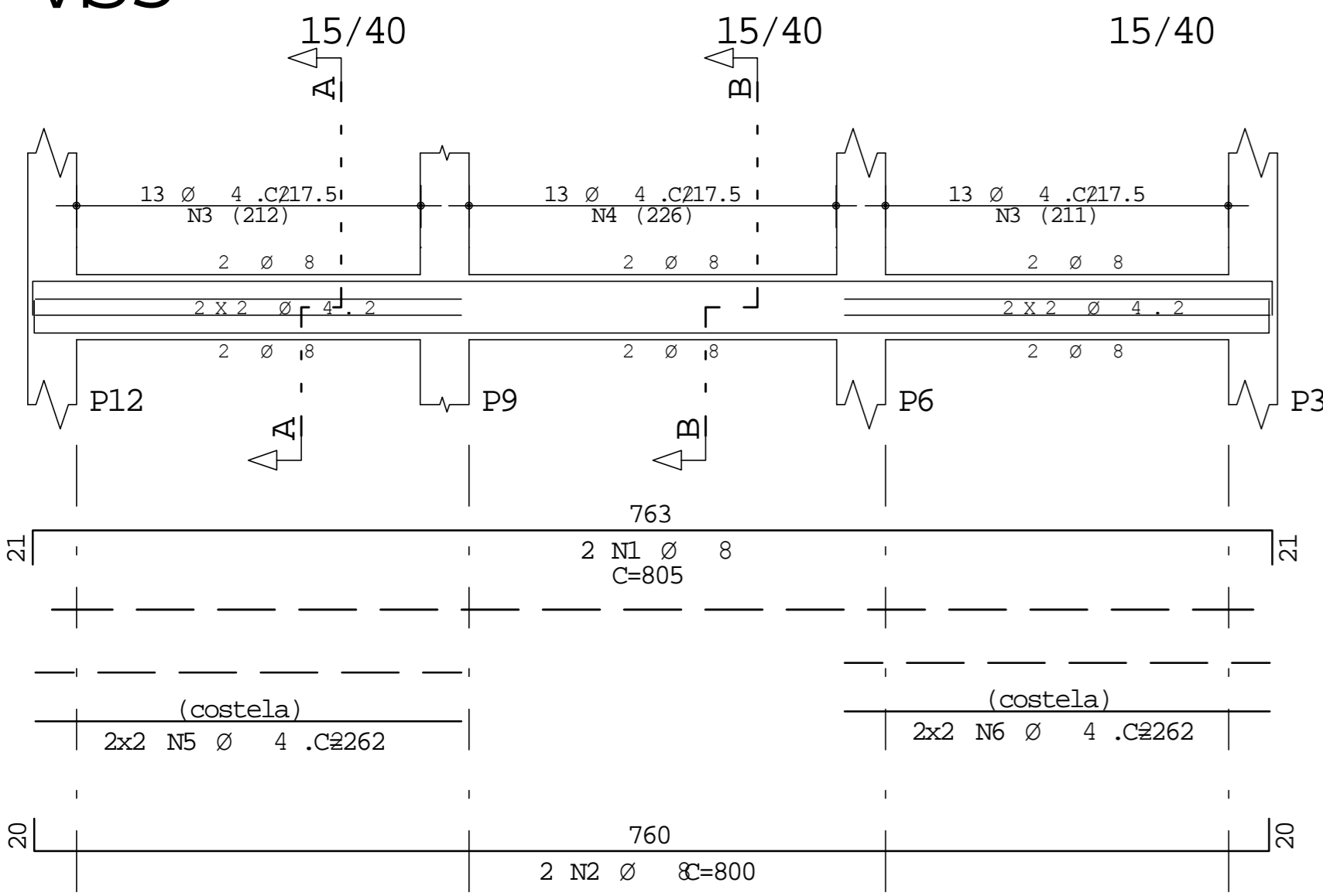
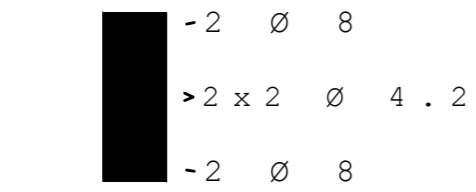


VS5

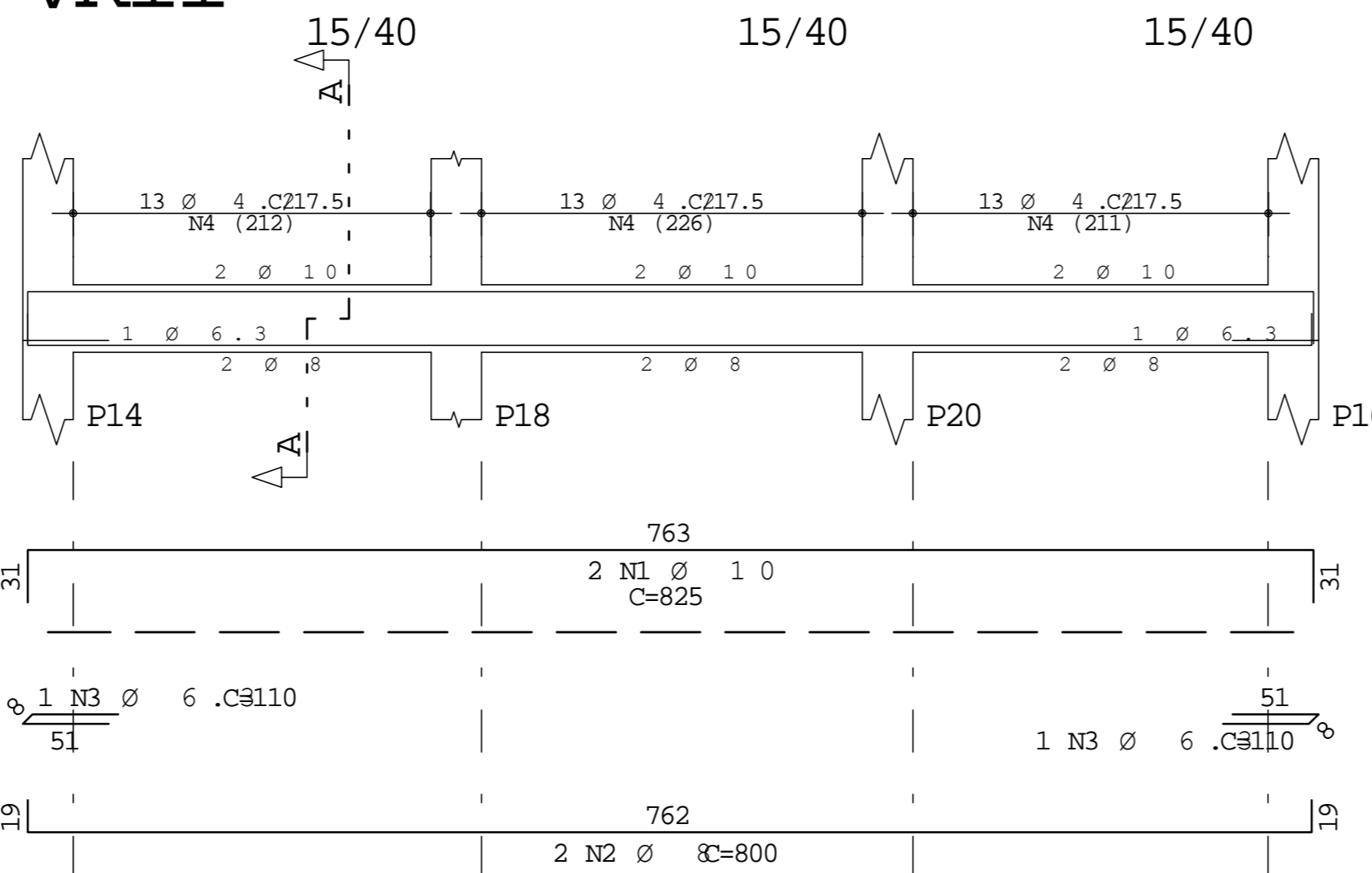


Corte A

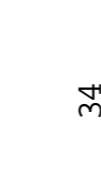
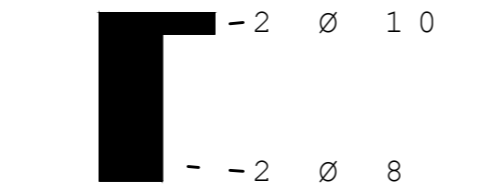


26 N3 Ø 4 .C2110 13 N4 Ø 4 .C2101

VR11

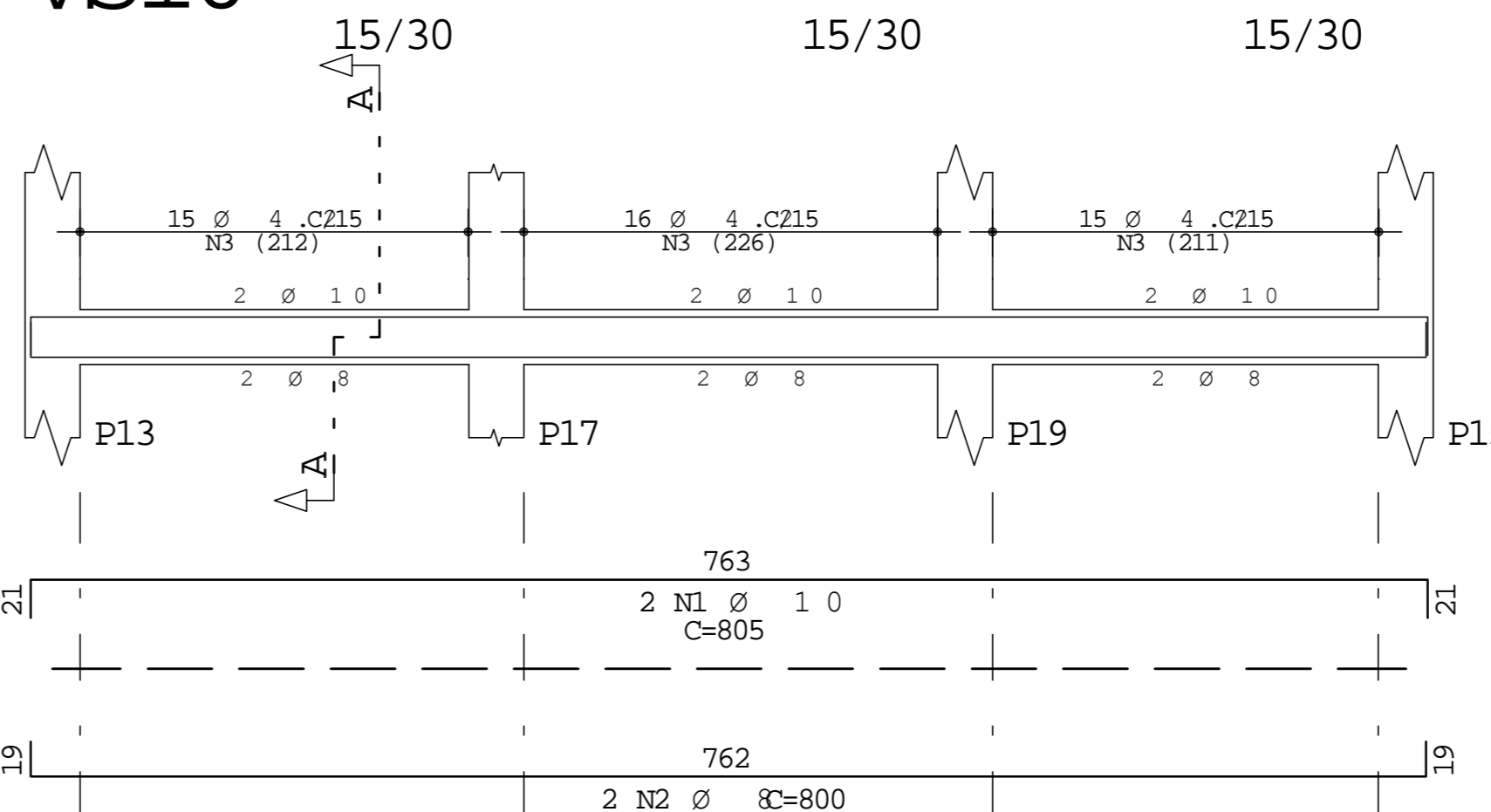


Corte A



39 N4 Ø 4 .C2101

VS10

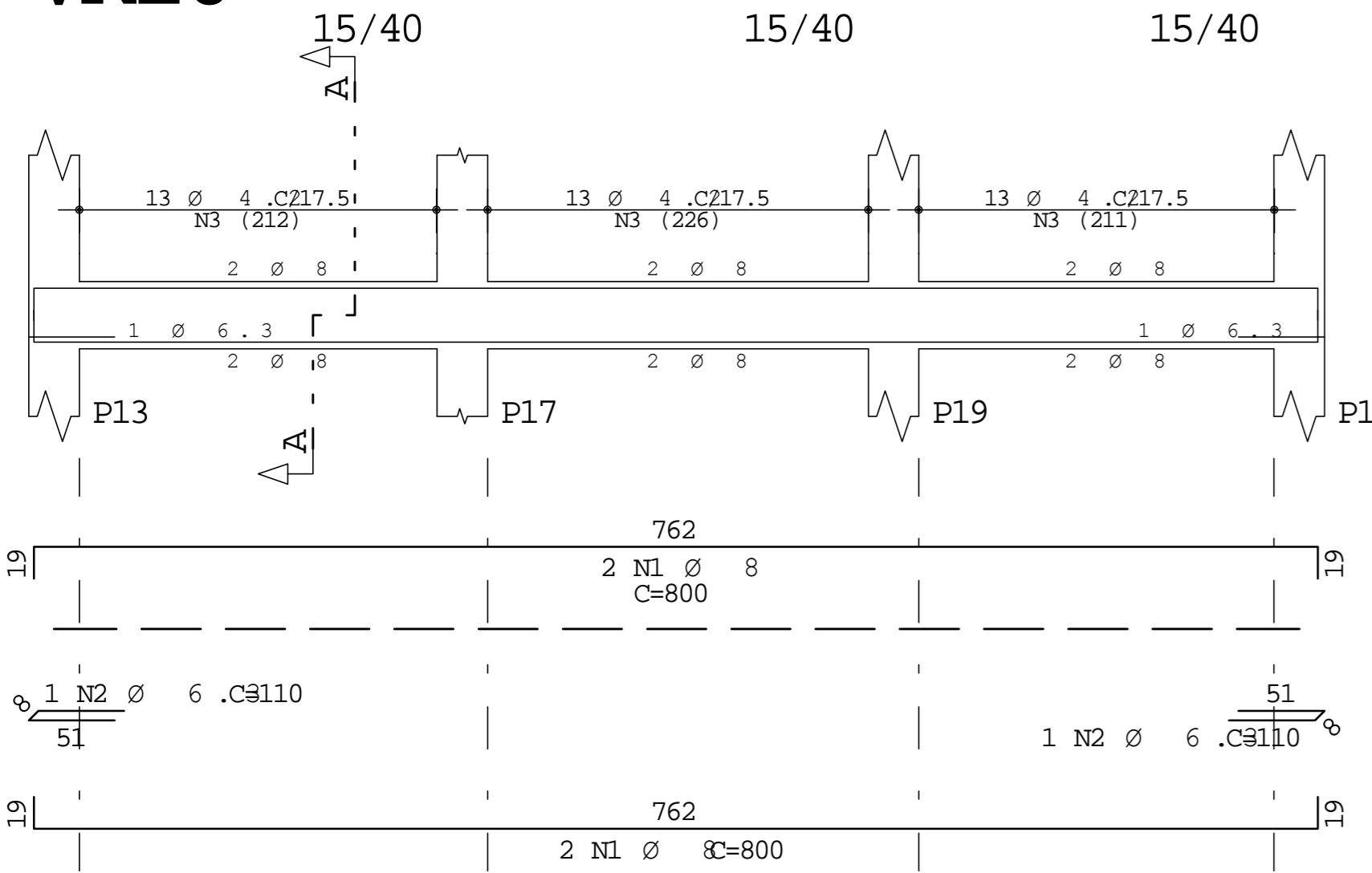


Corte A

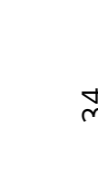


46 N3 Ø 4 .C281

VR10

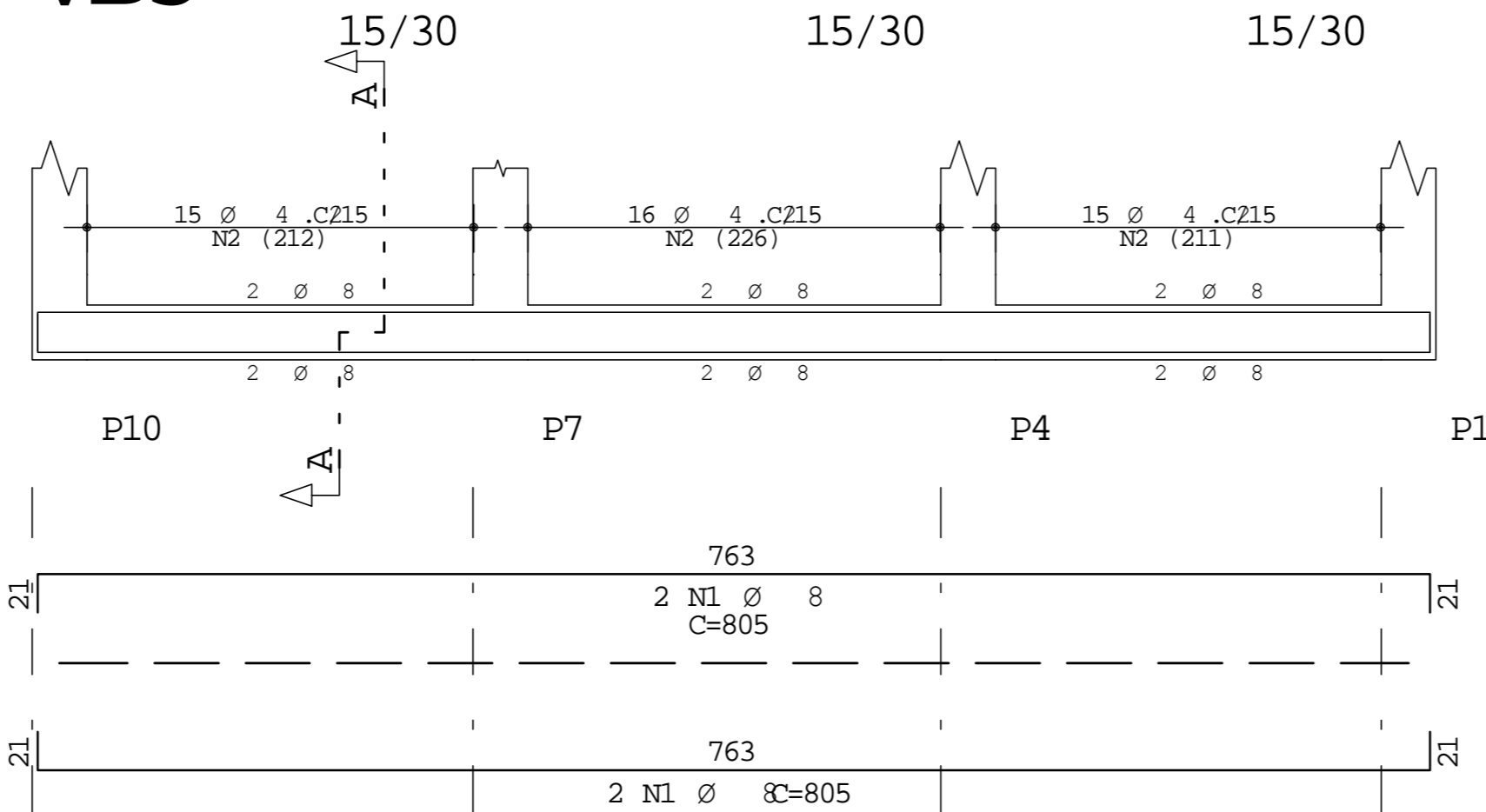


Corte A



39 N3 Ø 4 .C2101

VB3

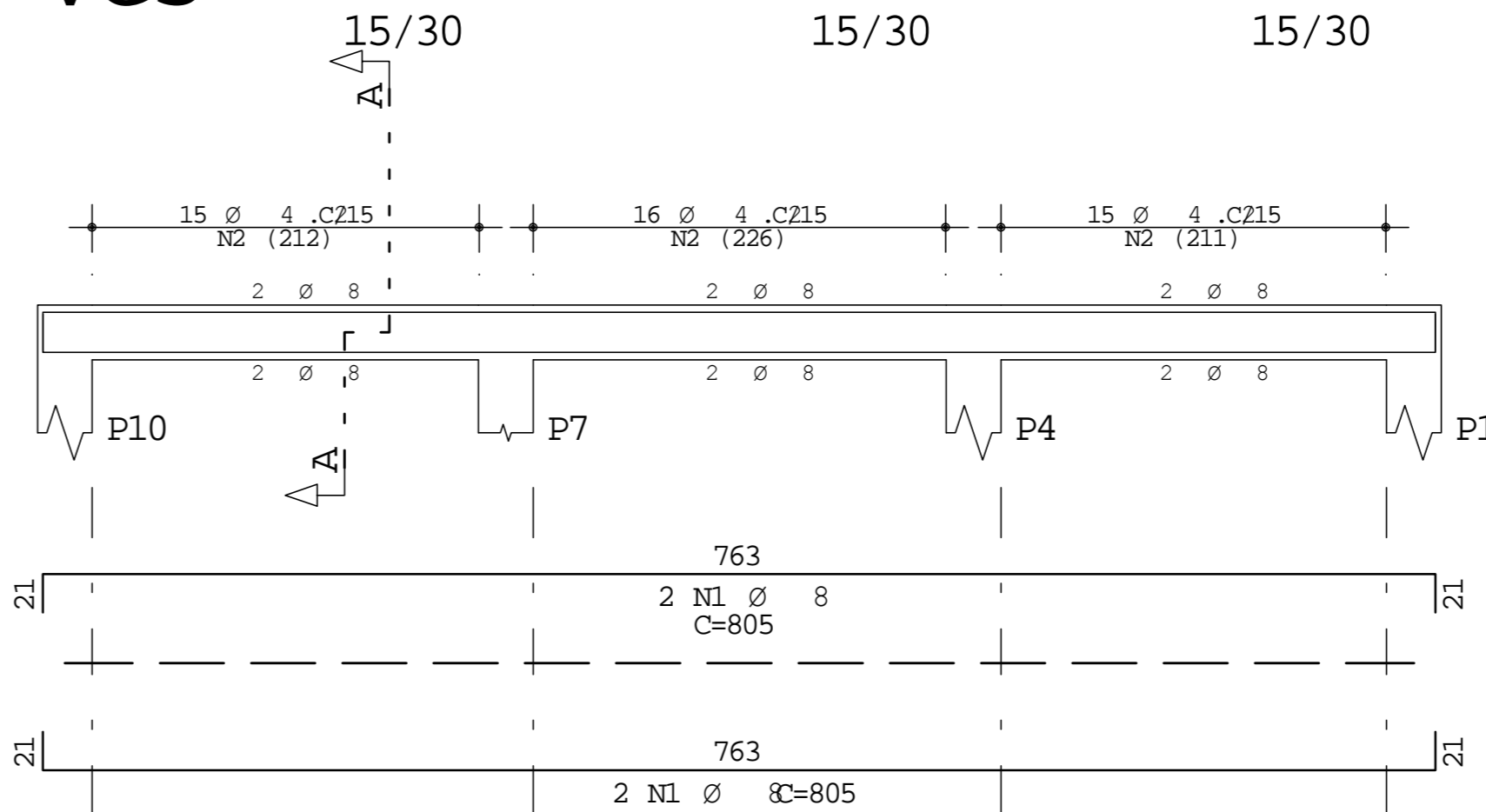


Corte A

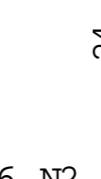
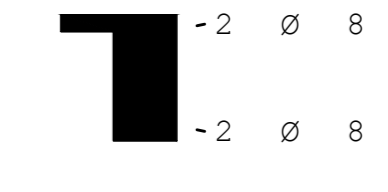


46 N2 Ø 4 .C281

VC3

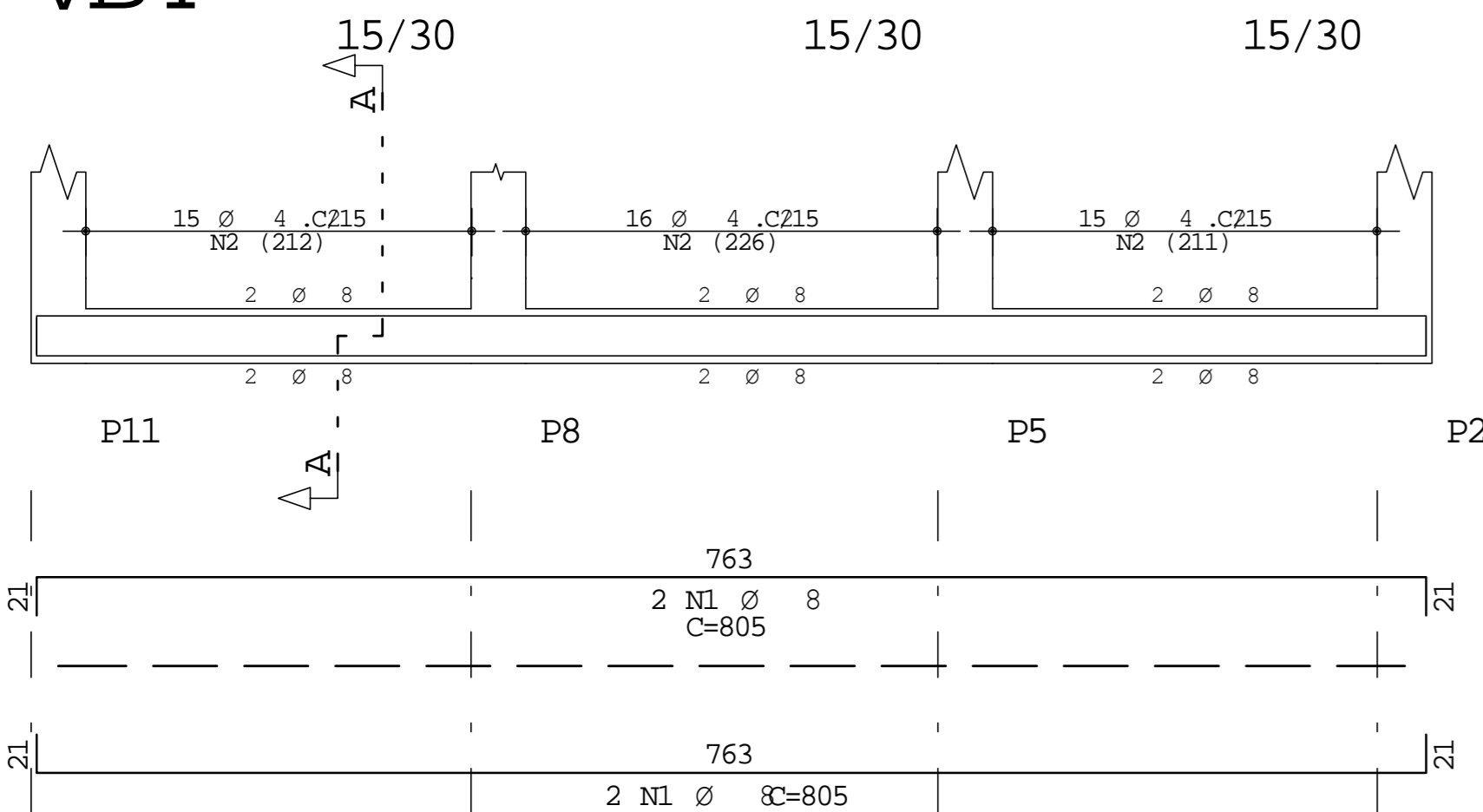


Corte A



46 N2 Ø 4 .C281

VB4

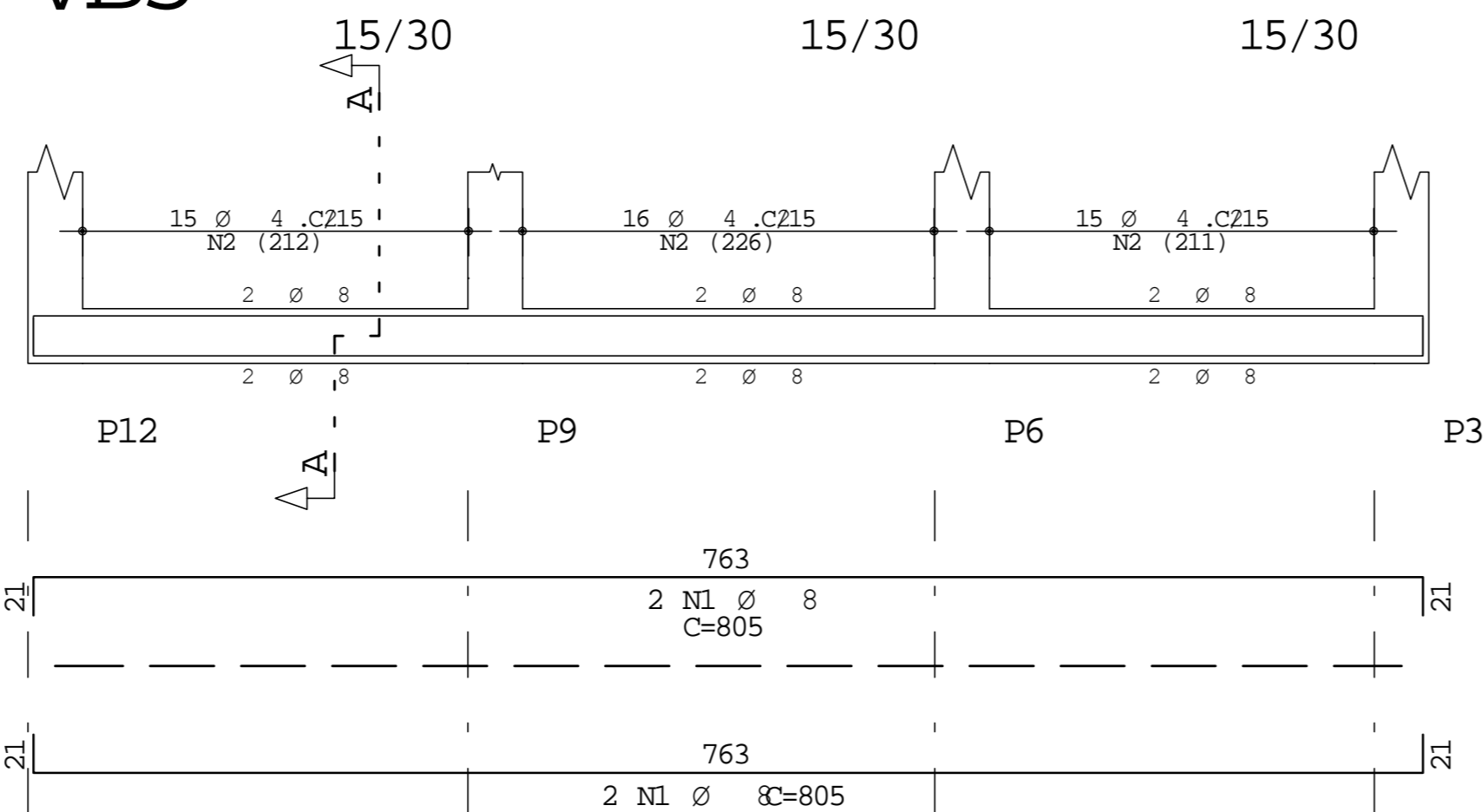


Corte A



46 N2 Ø 4 .C281

VB5

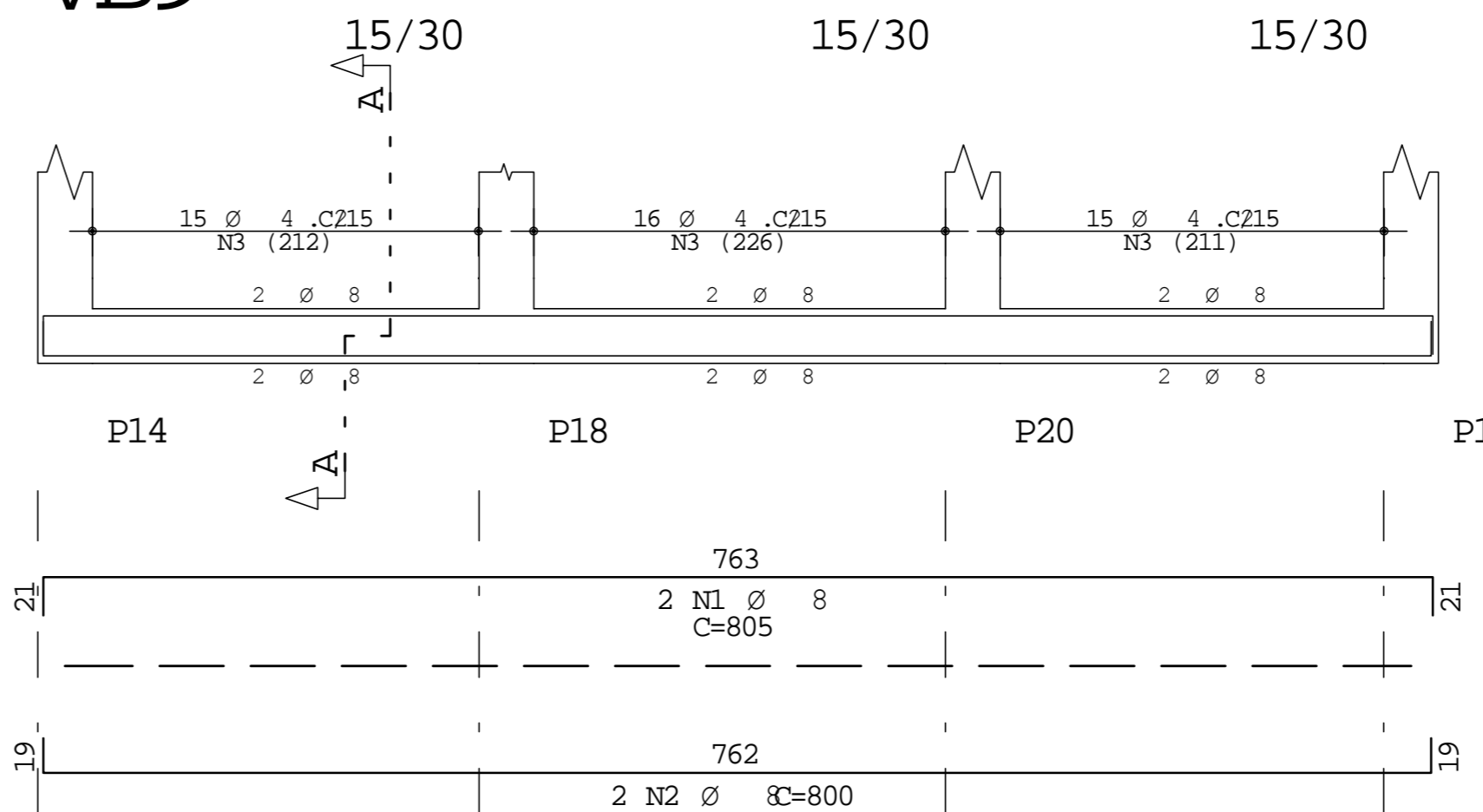


Corte A

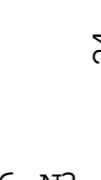
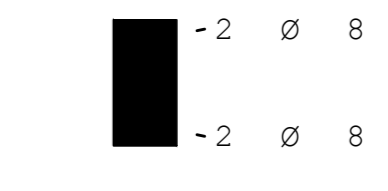


46 N2 Ø 4 .C281

VB9

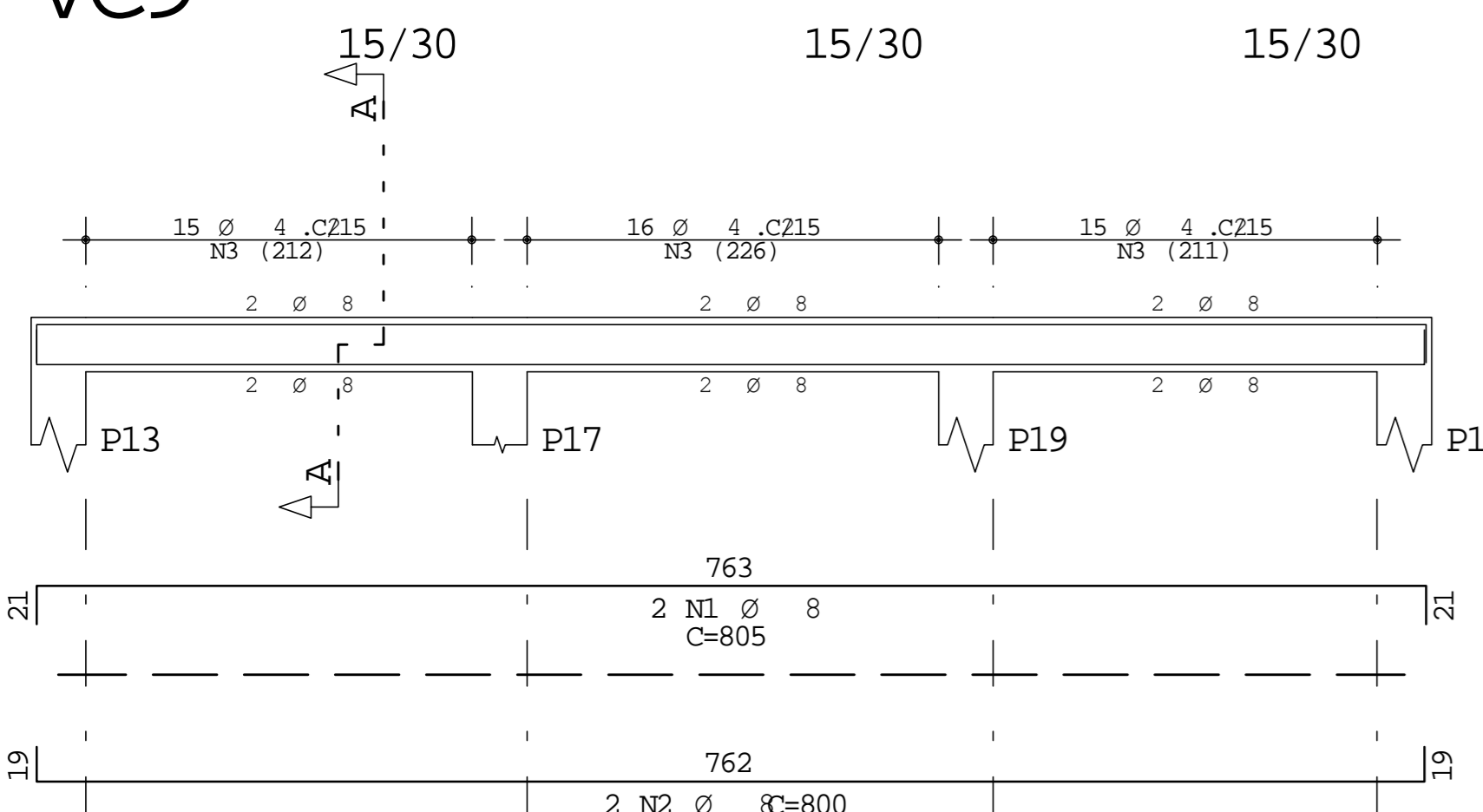


Corte A



46 N3 Ø 4 .C281

VC9

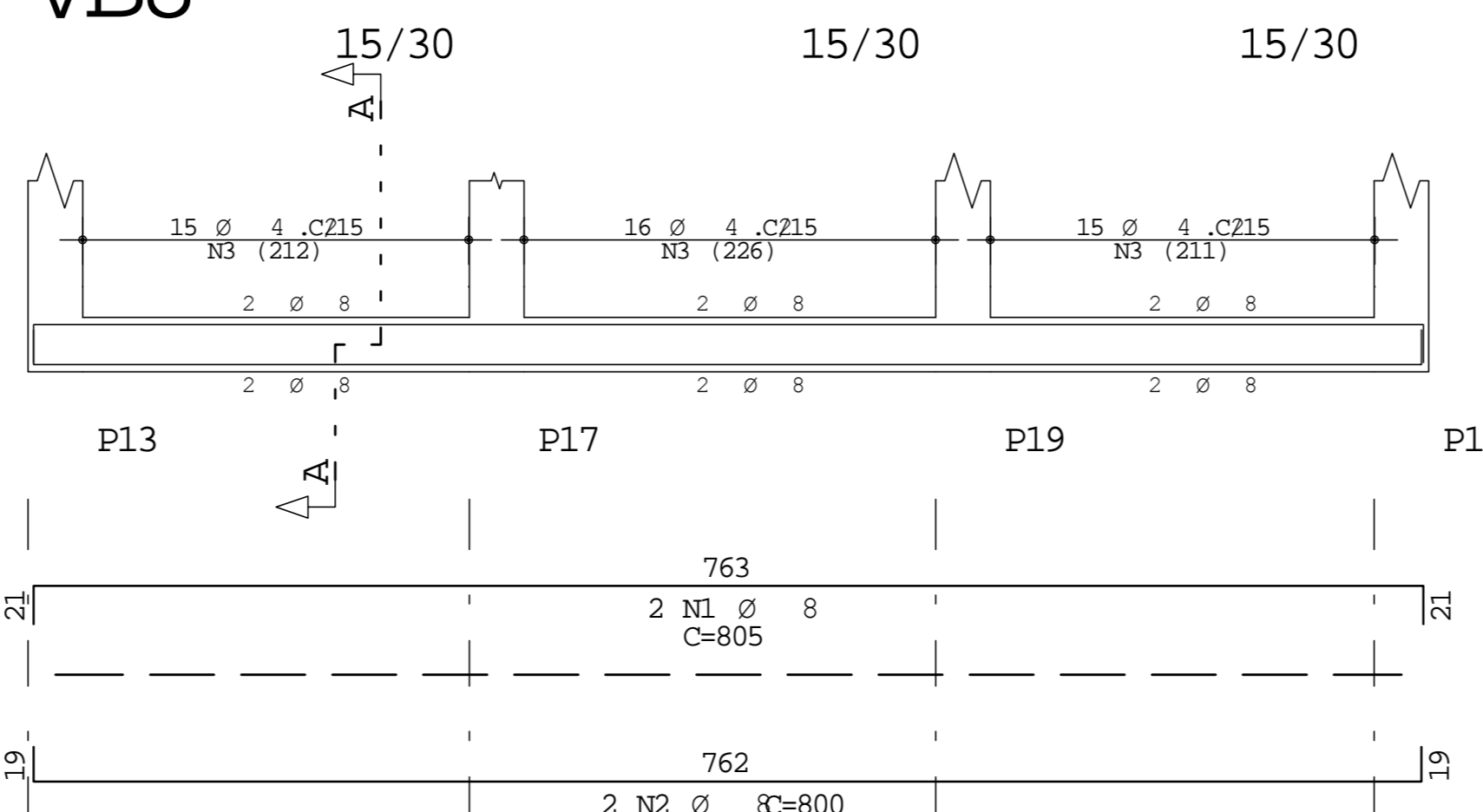


Corte A



46 N3 Ø 4 .C281

VB8

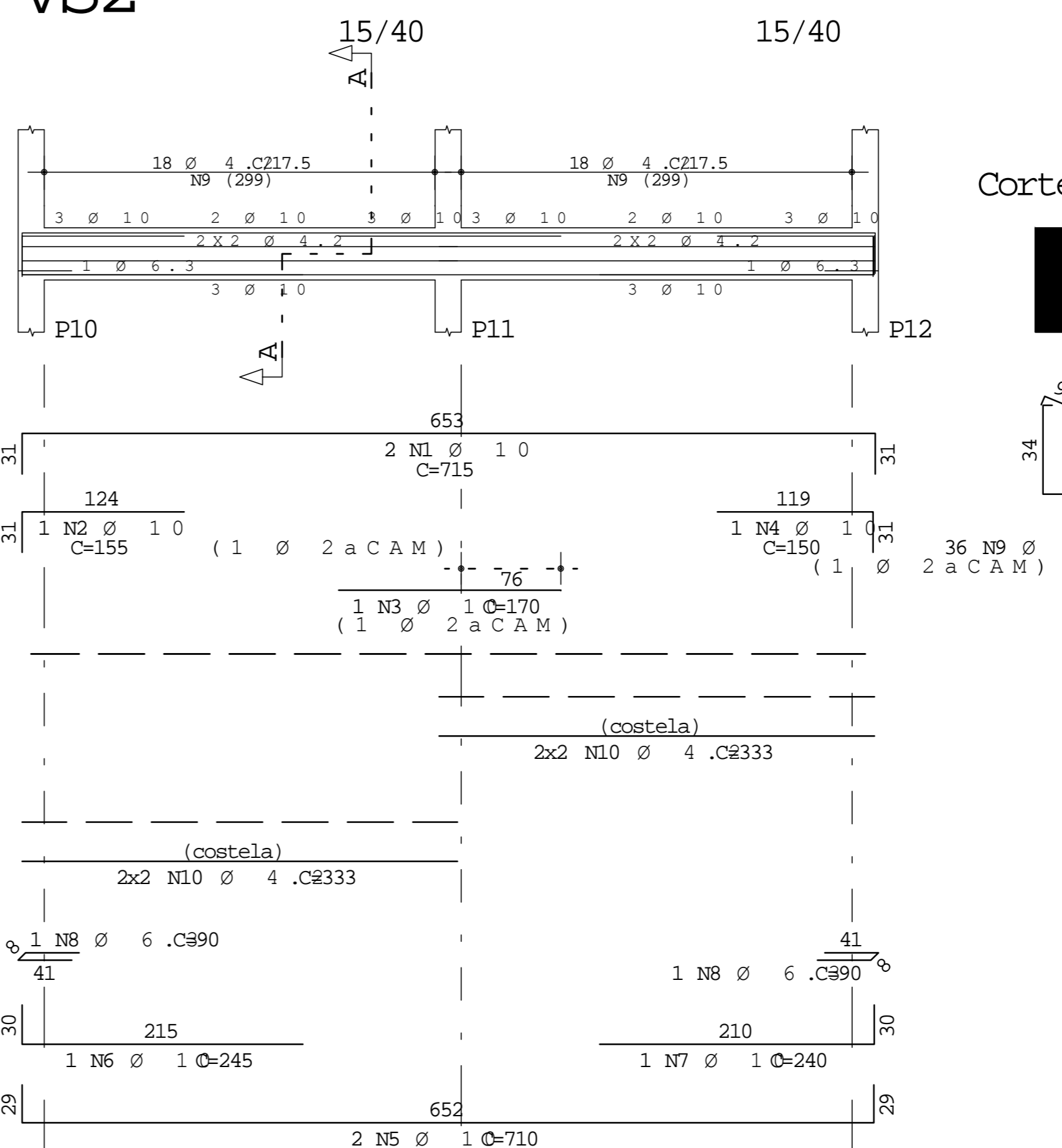


Corte A

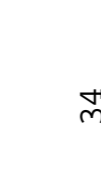
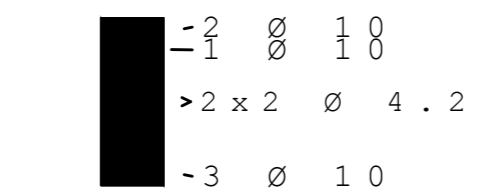


46 N3 Ø 4 .C281

VS2



Corte A



36 N9 Ø 4 .C2101

| | A | Ç | Ø | POS | BIT (mm) | QUANT | COMPRIMENTO | |
|------|-----|-----|-----|-----|-------------|-------|--------------|---------------|
| | | | | | | | UNIT (cm) | TOTAL (cm) |
| VB3 | | 50A | 1 | 8 | 4 | 805 | 3220 | |
| | | 60B | 2 | 4.2 | 46 | 81 | 3726 | |
| VB4 | | 50A | 1 | 8 | 4 | 805 | 3220 | |
| | | 60B | 2 | 4.2 | 46 | 81 | 3726 | |
| VB5 | | 50A | 1 | 8 | 4 | 805 | 3220 | |
| | | 60B | 2 | 4.2 | 46 | 81 | 3726 | |
| VB8 | | 50A | 1 | 8 | 2 | 805 | 1610 | |
| | | 50A | 2 | 8 | 2 | 800 | 1600 | |
| | | 60B | 3 | 4.2 | 46 | 81 | 3726 | |
| VB9 | | 50A | 1 | 8 | 2 | 805 | 1610 | |
| | | 50A | 2 | 8 | 2 | 800 | 1600 | |
| | | 60B | 3 | 4.2 | 46 | 81 | 3726 | |
| VC3 | | 50A | 1 | 8 | 4 | 805 | 3220 | |
| | | 60B | 2 | 4.2 | 46 | 81 | 3726 | |
| VC9 | | 50A | 1 | 8 | 2 | 805 | 1610 | |
| | | 50A | 2 | 8 | 2 | 800 | 1600 | |
| | | 60B | 3 | 4.2 | 46 | 81 | 3726 | |
| VR10 | | 50A | 1 | 8 | 4 | 800 | 3200 | |
| | | 50A | 2 | 6.3 | 2 | 110 | 220 | |
| | | 60B | 3 | 4.2 | 39 | 101 | 3939 | |
| VR11 | | 50A | 1 | 10 | 2 | 825 | 1650 | |
| | | 50A | 2 | 8 | 2 | 800 | 1600 | |
| | | 50A | 3 | 6.3 | 2 | 110 | 220 | |
| | | 60B | 4 | 4.2 | 39 | 101 | 3939 | |
| VS2 | | 50A | 1 | 10 | 2 | 715 | 1430 | |
| | | 50A | 2 | 10 | 1 | 155 | 155 | |
| | | 50A | 3 | 10 | 1 | 170 | 170 | |
| | | 50A | 4 | 10 | 1 | 150 | 150 | |
| | | 50A | 5 | 10 | 2 | 710 | 1420 | |
| | | 50A | 6 | 10 | 1 | 245 | 245 | |
| | | 50A | 7 | 10 | 1 | 240 | 240 | |
| | | 50A | 8 | 6.3 | 2 | 90 | 180 | |
| | | 60B | 9 | 4.2 | 36 | 101 | 3636 | |
| | | 60B | 10 | 4.2 | 8 | 333 | 2664 | |
| | VS5 | | 50A | 1 | 8 | 2 | 805 | 1610 |
| | | 50A | 2 | 8 | 2 | 800 | 1600 | |
| | | 60B | 3 | 4.2 | 26 | 110 | 2860 | |
| | | 60B | 4 | 4.2 | 13 | 101 | 1313 | |
| | | 60B | 5 | 4.2 | 4 | 262 | 1048 | |
| | | 60B | 6 | 4.2 | 4 | 262 | 1048 | |
| VS10 | | 50A | 1 | 10 | 2 | 805 | 1610 | |
| | | 50A | 2 | 8 | 2 | 800 | 1600 | |
| | | 60B | 3 | 4.2 | 46 | 81 | 3726 | |

| RESUMO AÇO CA 50 - 60 | | | | |
|-----------------------|-----|-------|-------------|--------------|
| A | Ç | Ø | BIT (mm) | PESO (kg) |
| 60B | 4.2 | 503 | 6 | 55 |
| 50A | 6.3 | 6 | 2 | 2 |
| 50A | 8 | 321 | 127 | 44 |
| 50A | 10 | 71 | 44 | |
| Peso Total | | 60B = | 55 kg | |
| Peso Total | | 50A = | 172 kg | |

| | | | | | | | | | |
|---|------------|---------|------|----|-----------|---------|--------|-------|---------|
| | | | | | CERPA N.º | | | | |
| CLIENTE | | | | | DES. N.º | | | | |
| UENP CCP | | | | | | | | | |
| CERPA | | | | | | | | | |
| BLOCO DE SALAS | | | | | 05/07 | | | | |
| BIOLOGIA/GEOGRAFIA/MATEMÁTICA/PÓS-GRADUAÇÃO | | | | | | | | | |
| TÍTULO | | | | | | | | | |
| PROJETO ESTRUTURAL | | | | | REV. N.º | | | | |
| ABRIGO DOS RESERVATÓRIOS | | | | | | | | | |
| -ARMAÇÃO: VIGAS | | | | | | | | | |
| DATA | 25/10/2017 | REVISÃO | 1/50 | PK | 25 MPA | DESENHO | VERIF. | DES.º | LINCOLN |