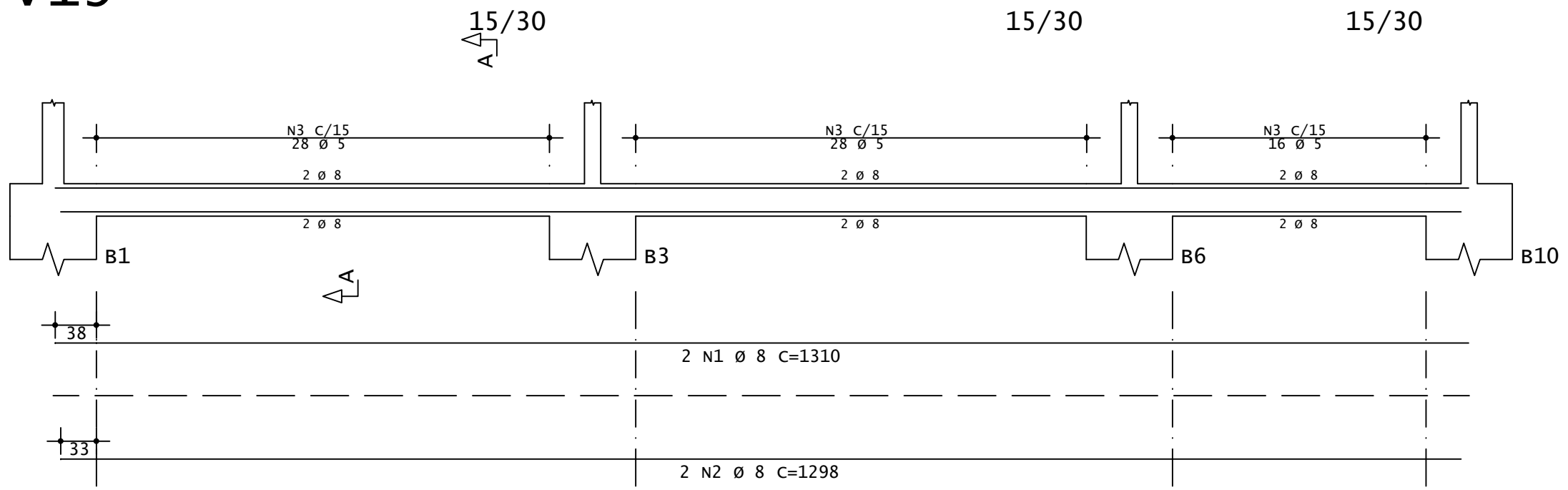
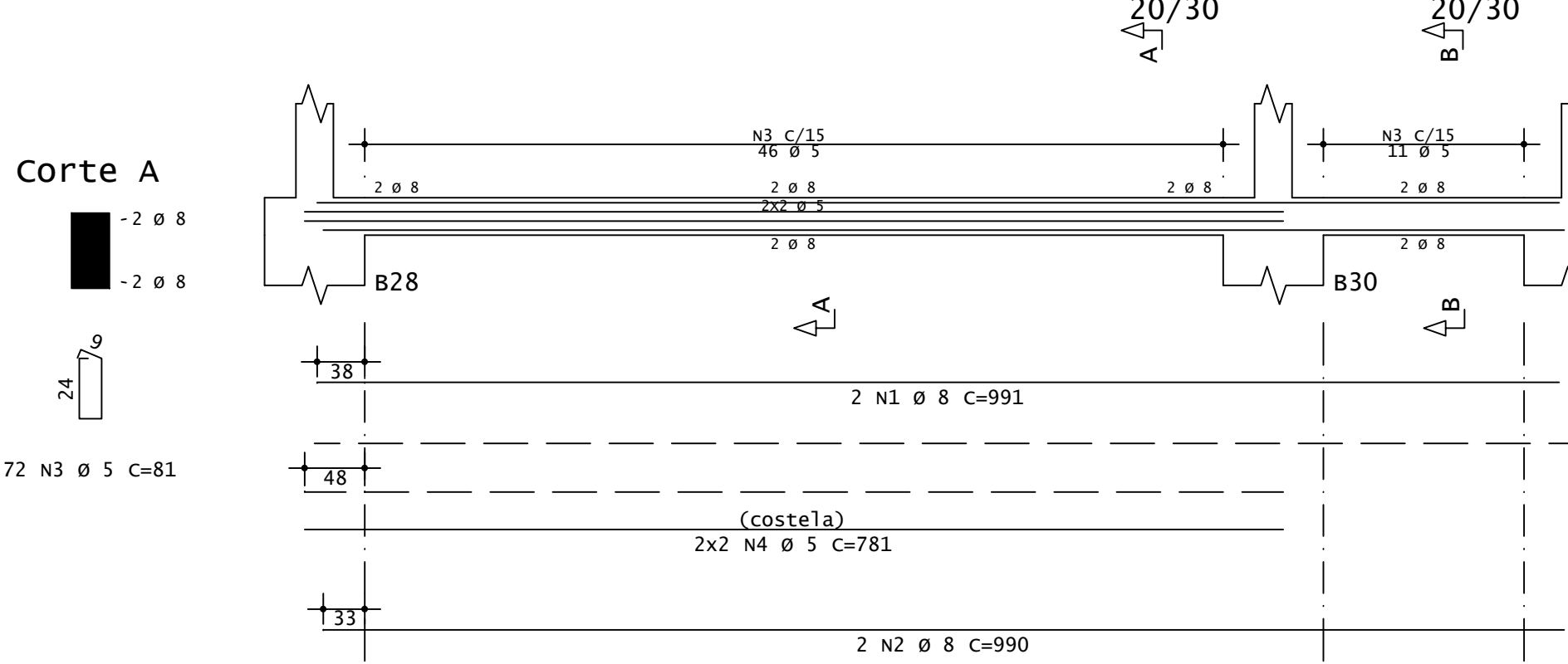


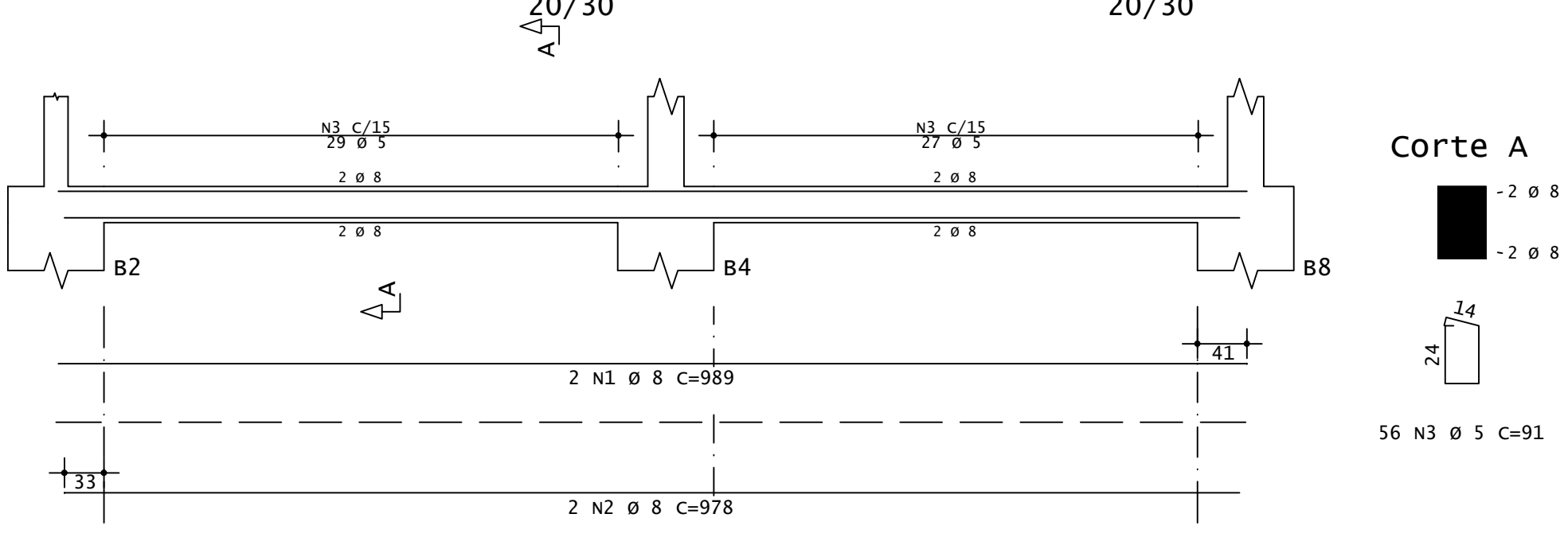
V19



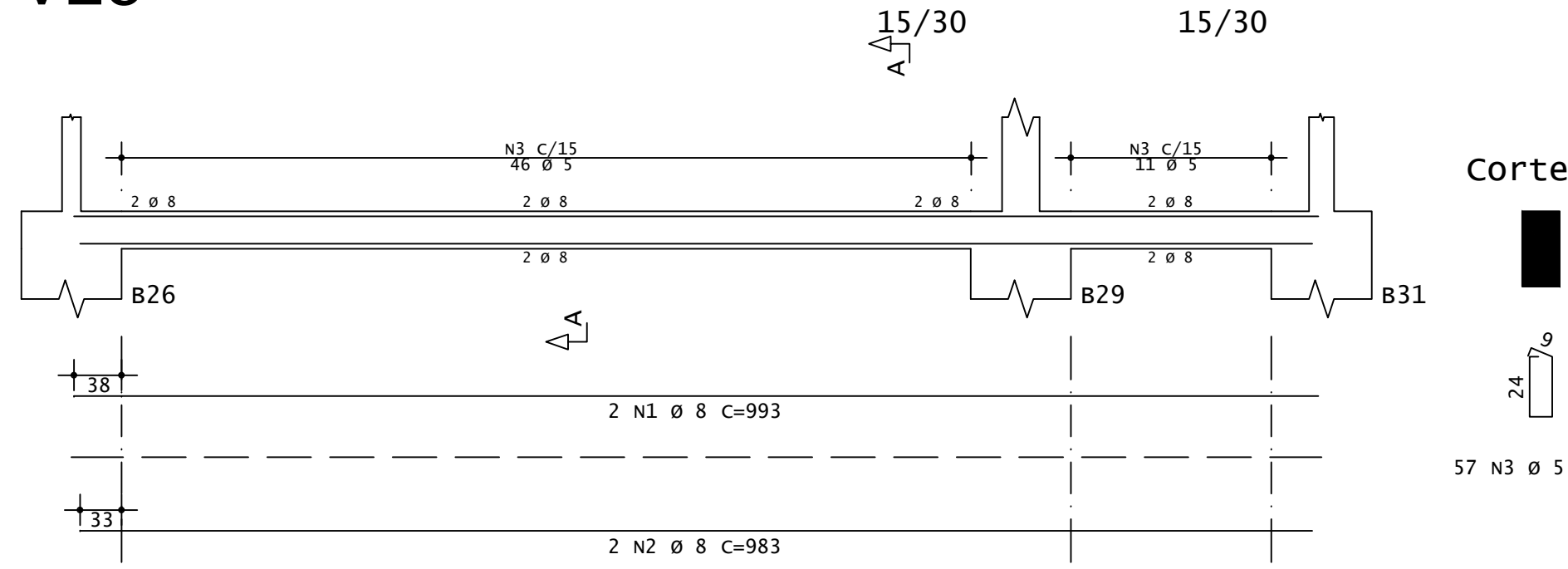
V25



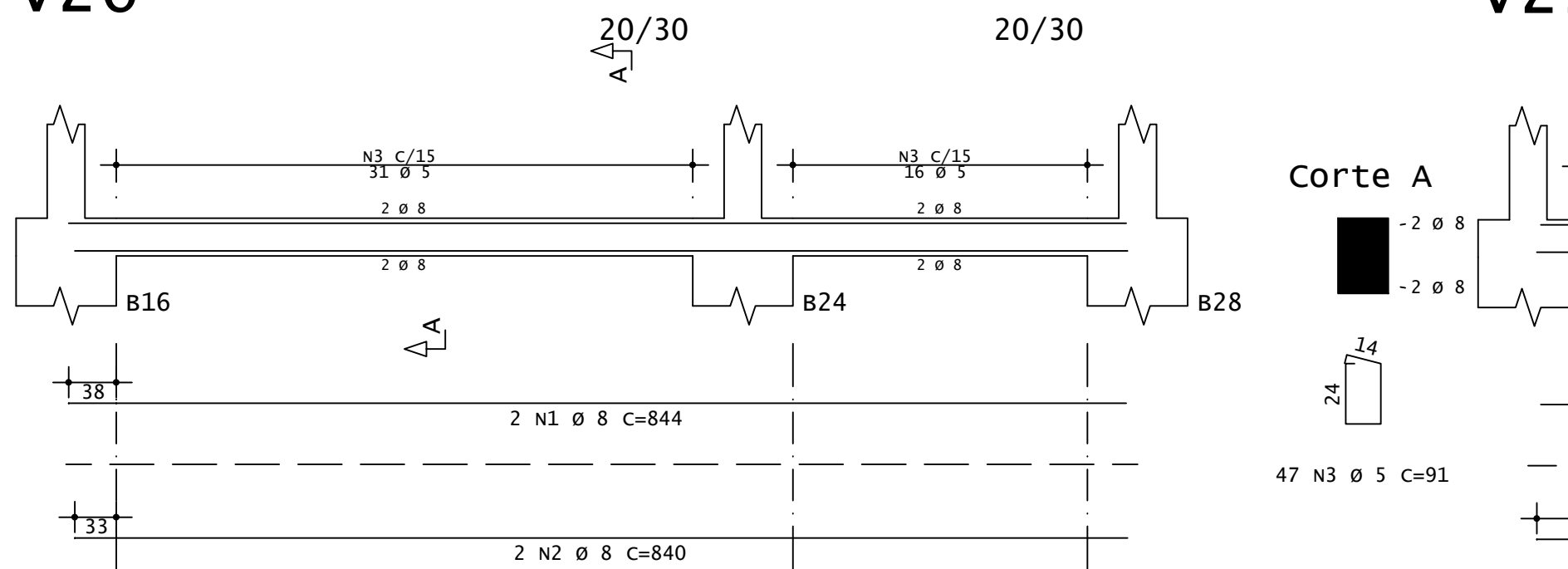
V28



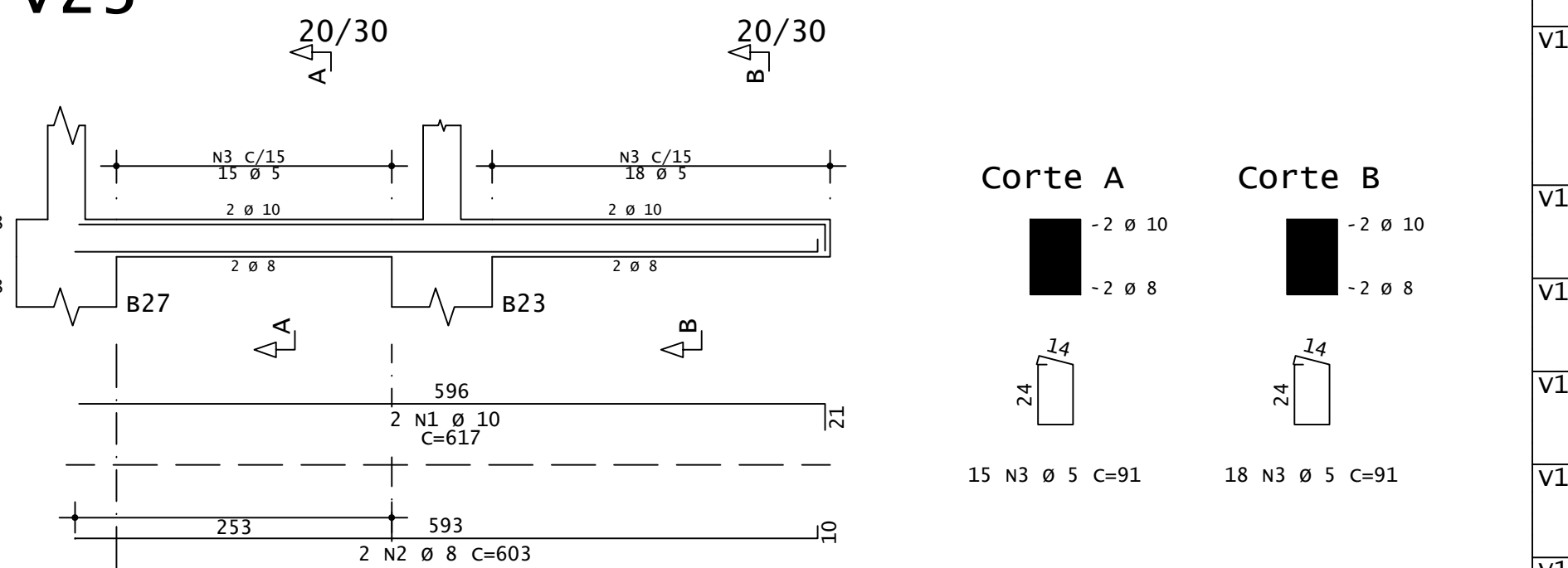
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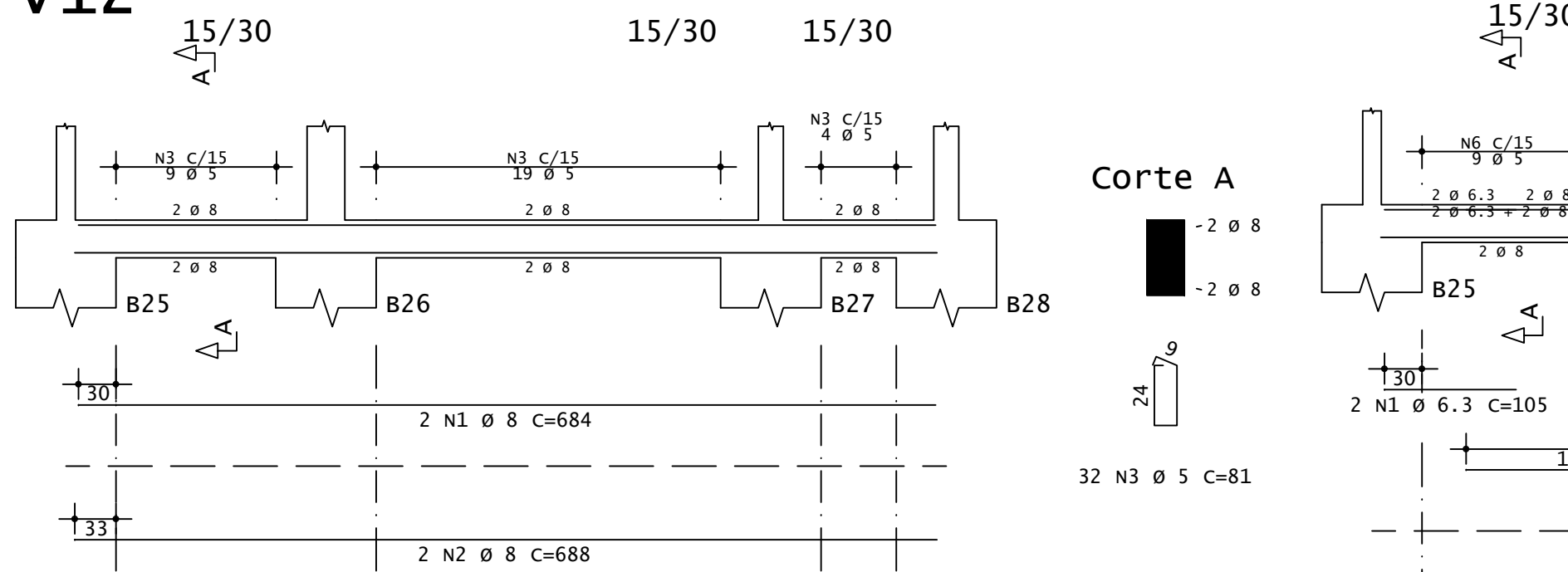
V26



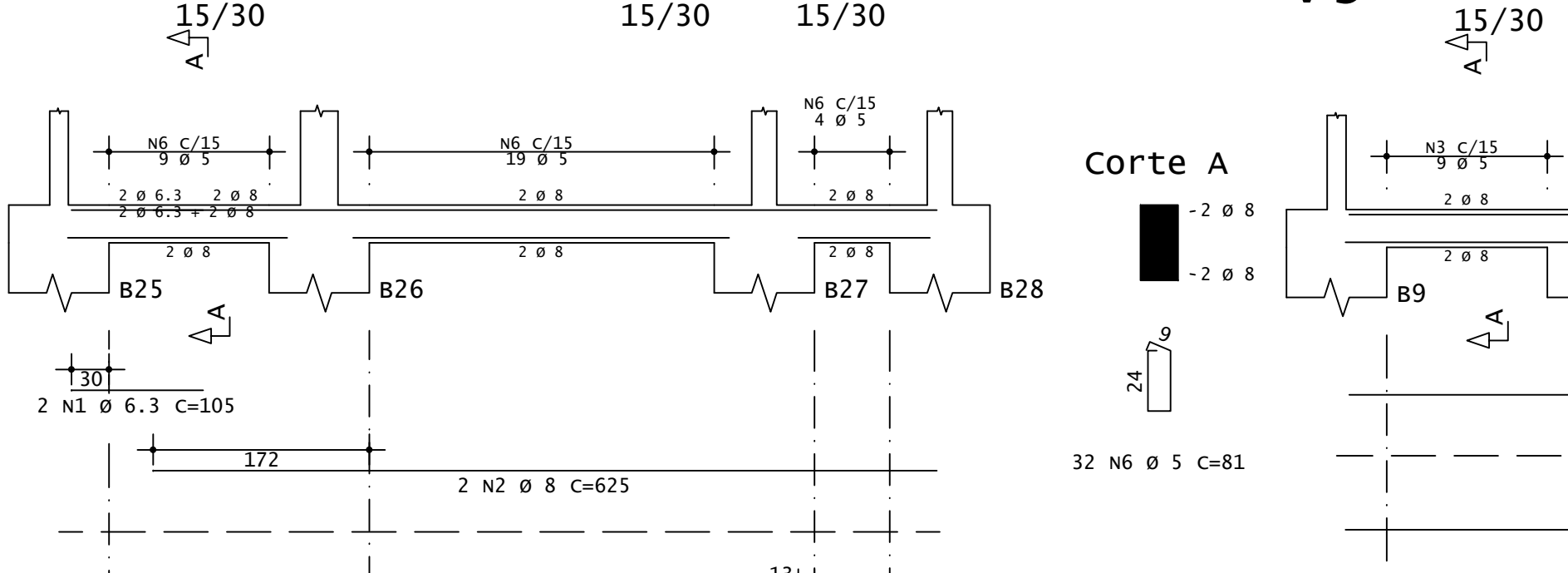
V23



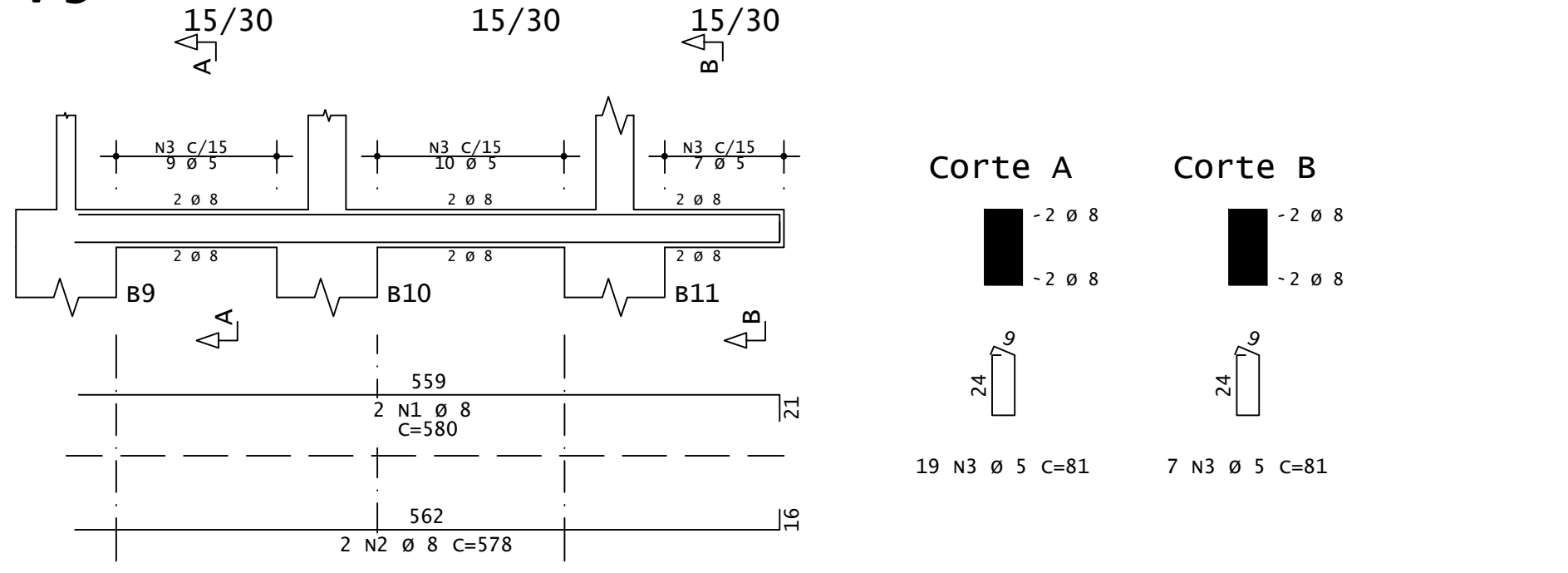
V12



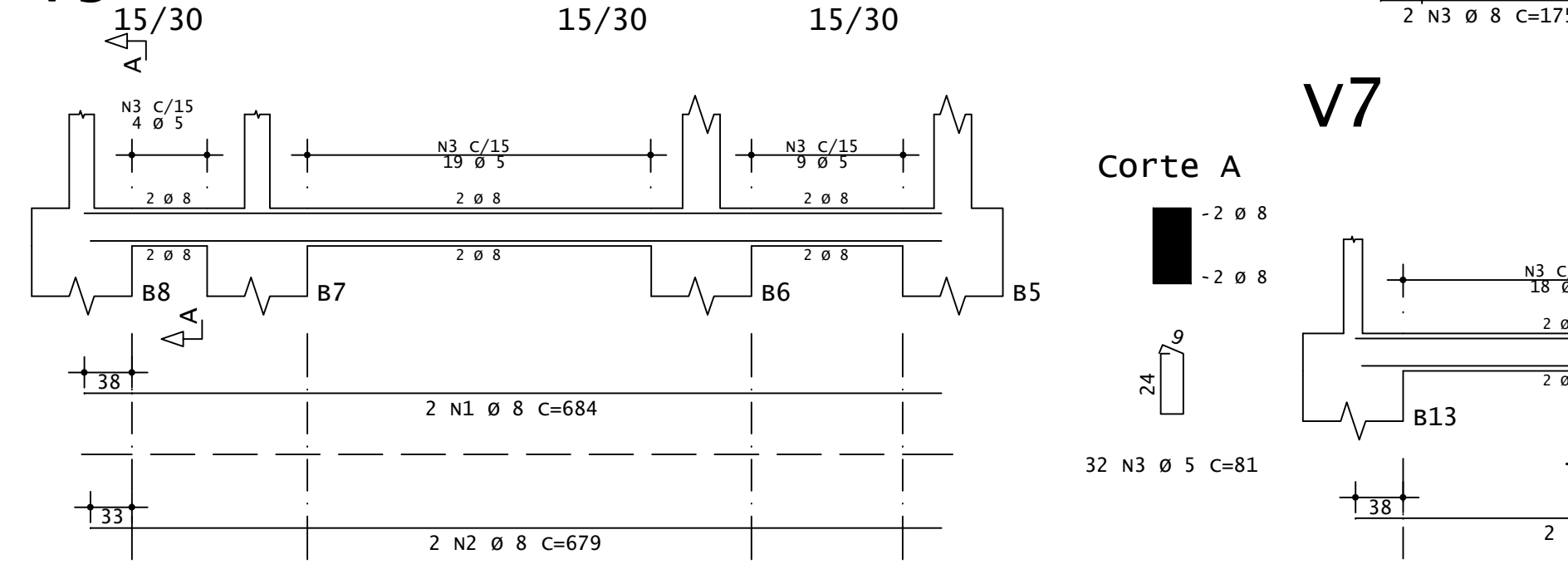
V11



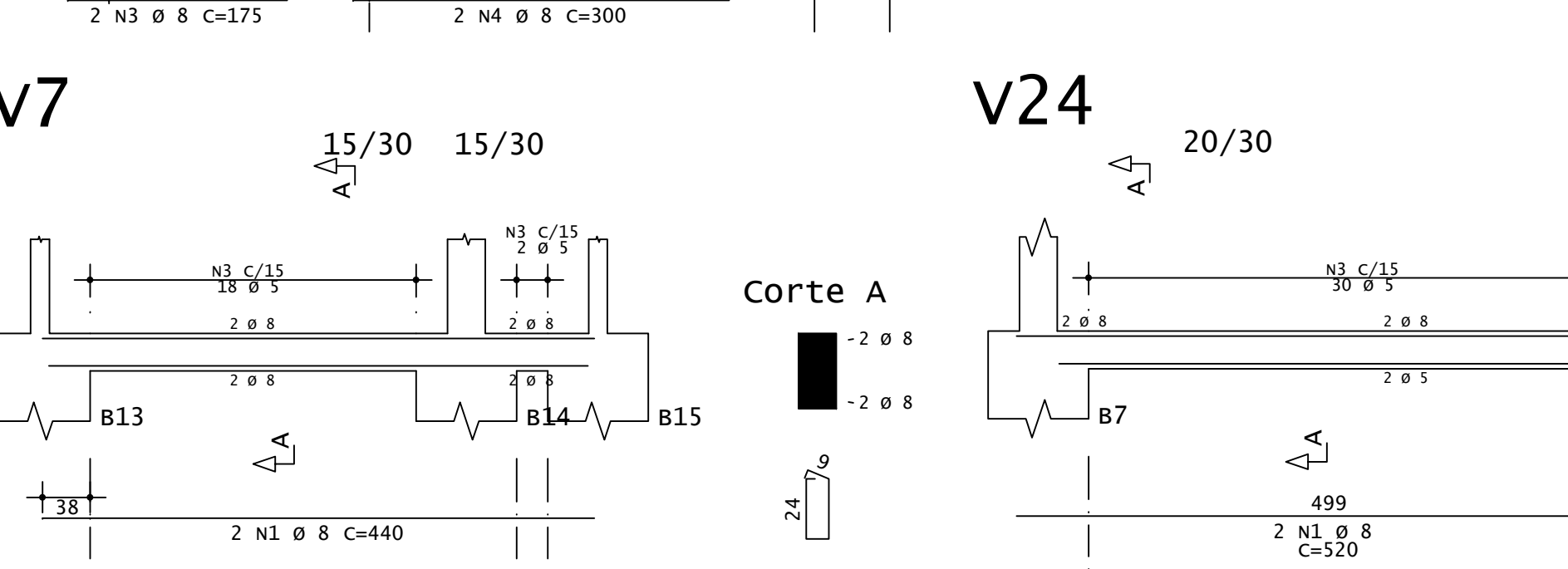
V5



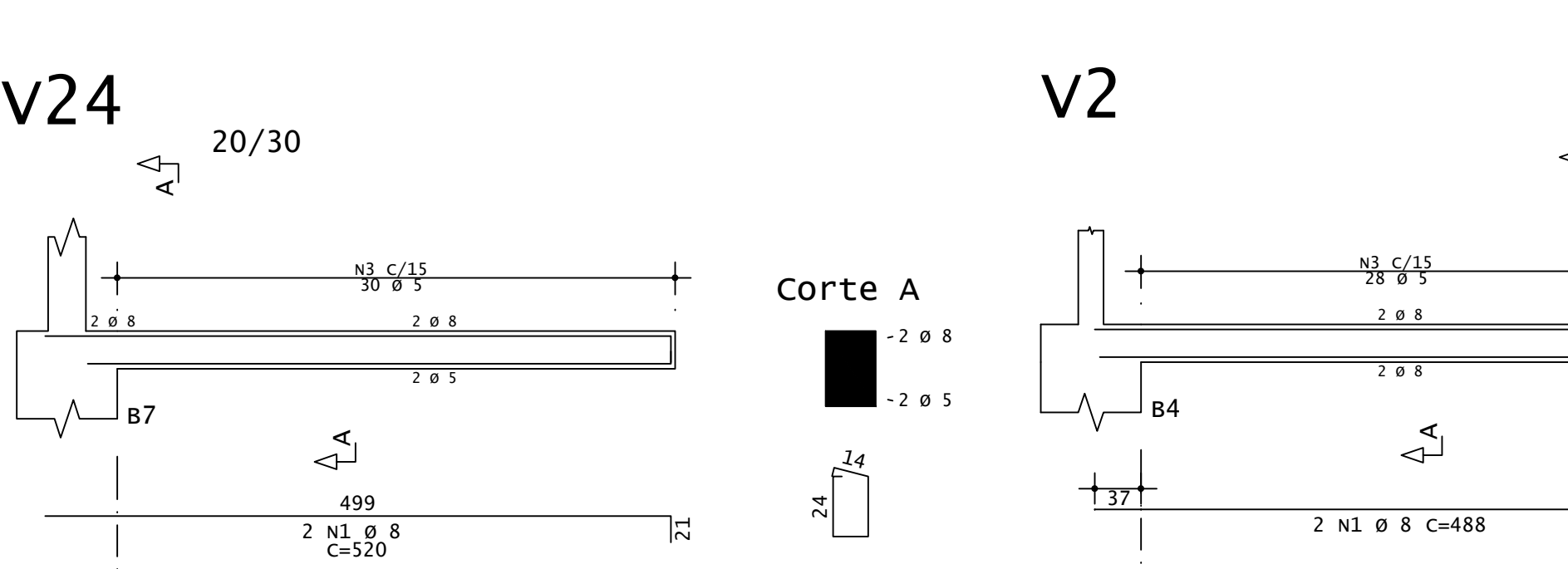
V3



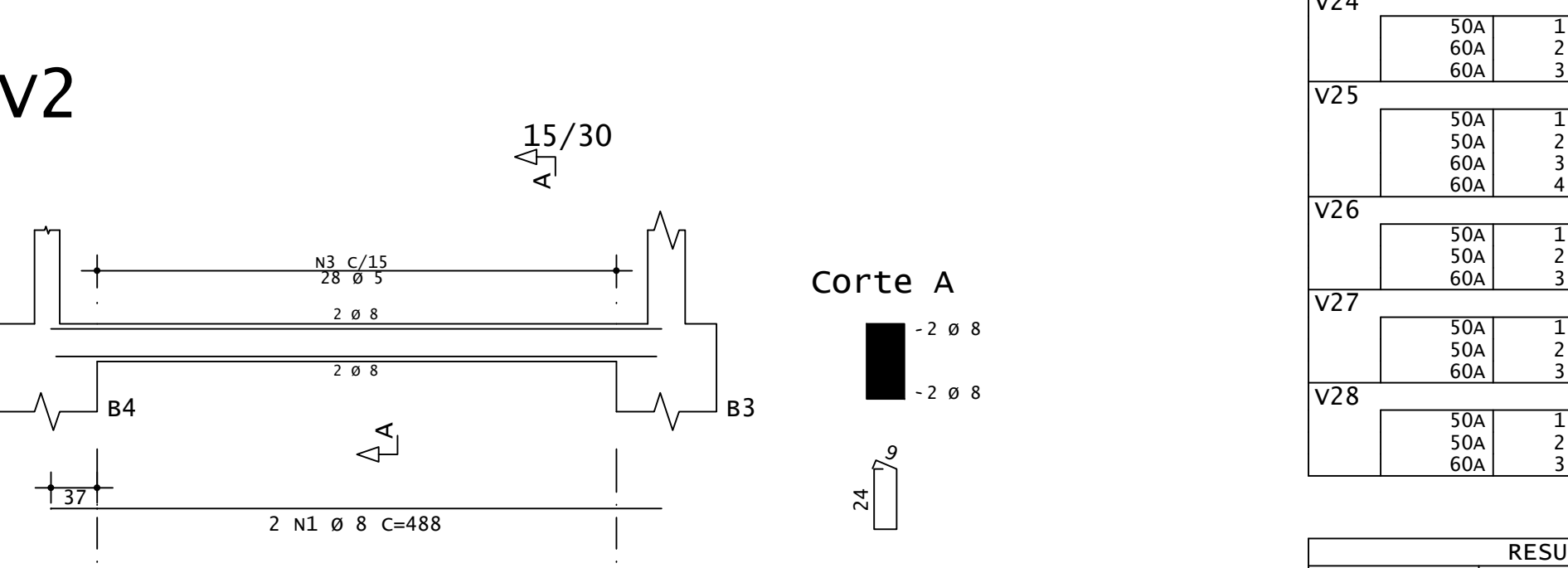
V7



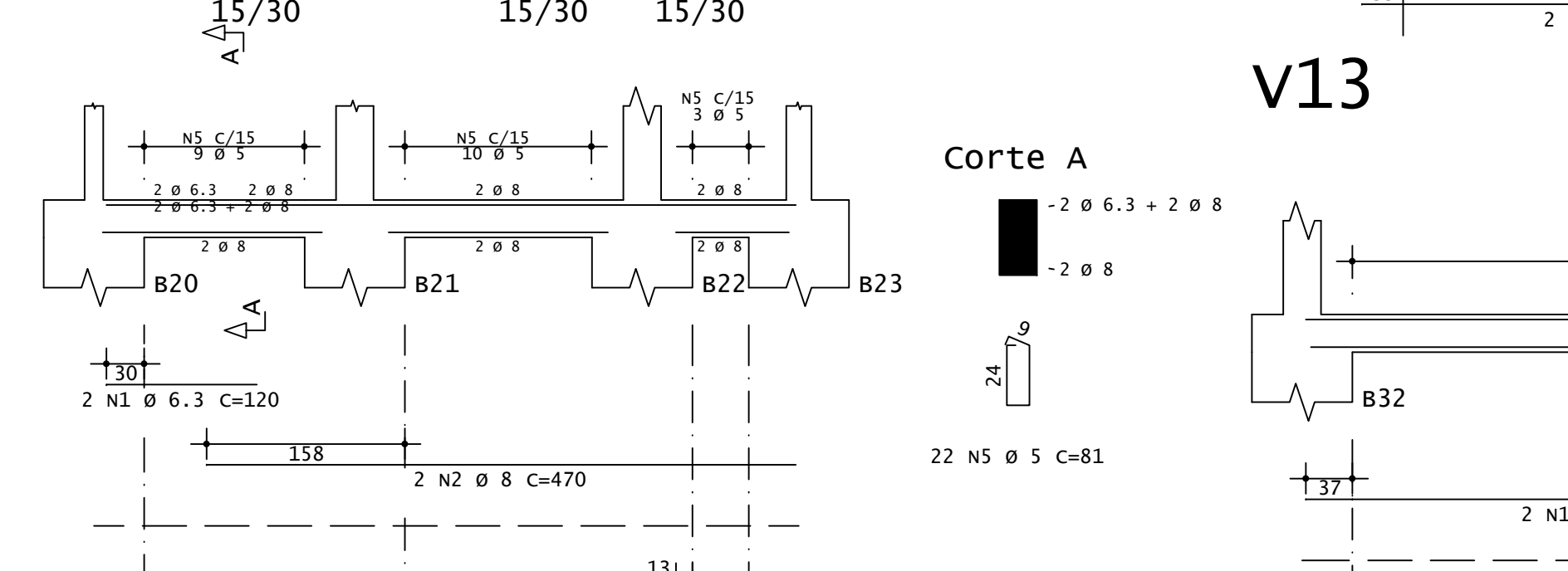
V24



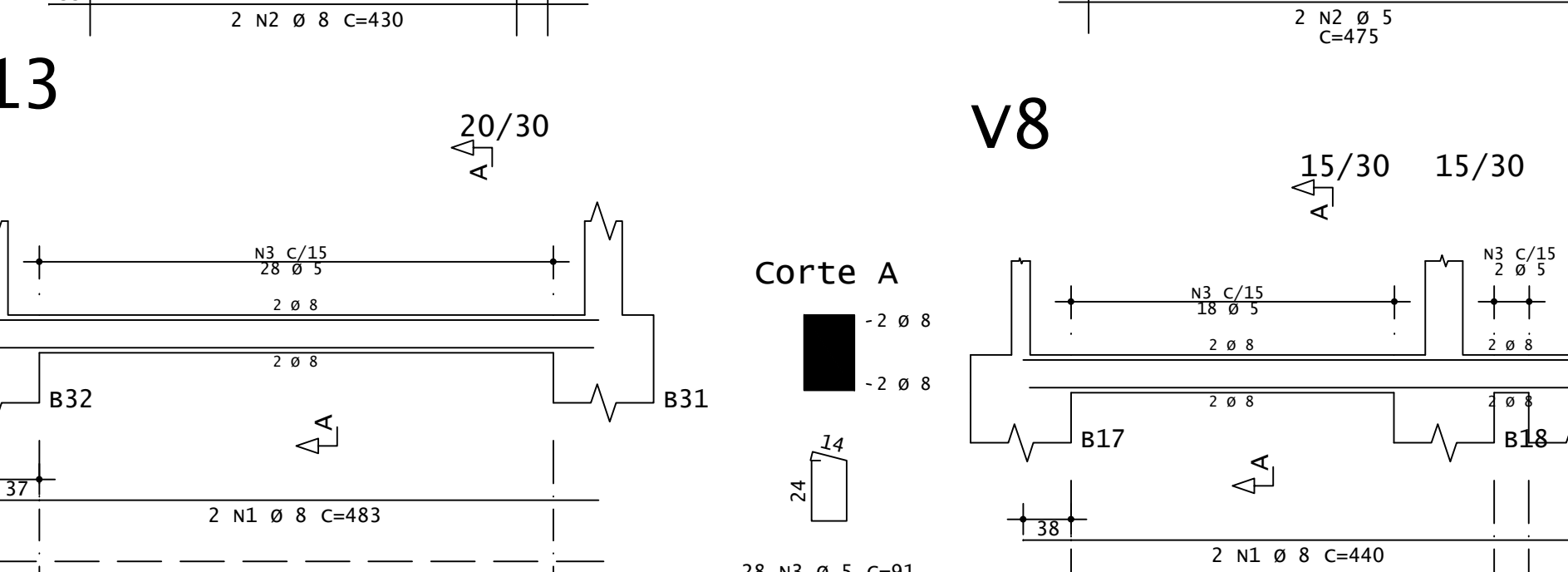
V2



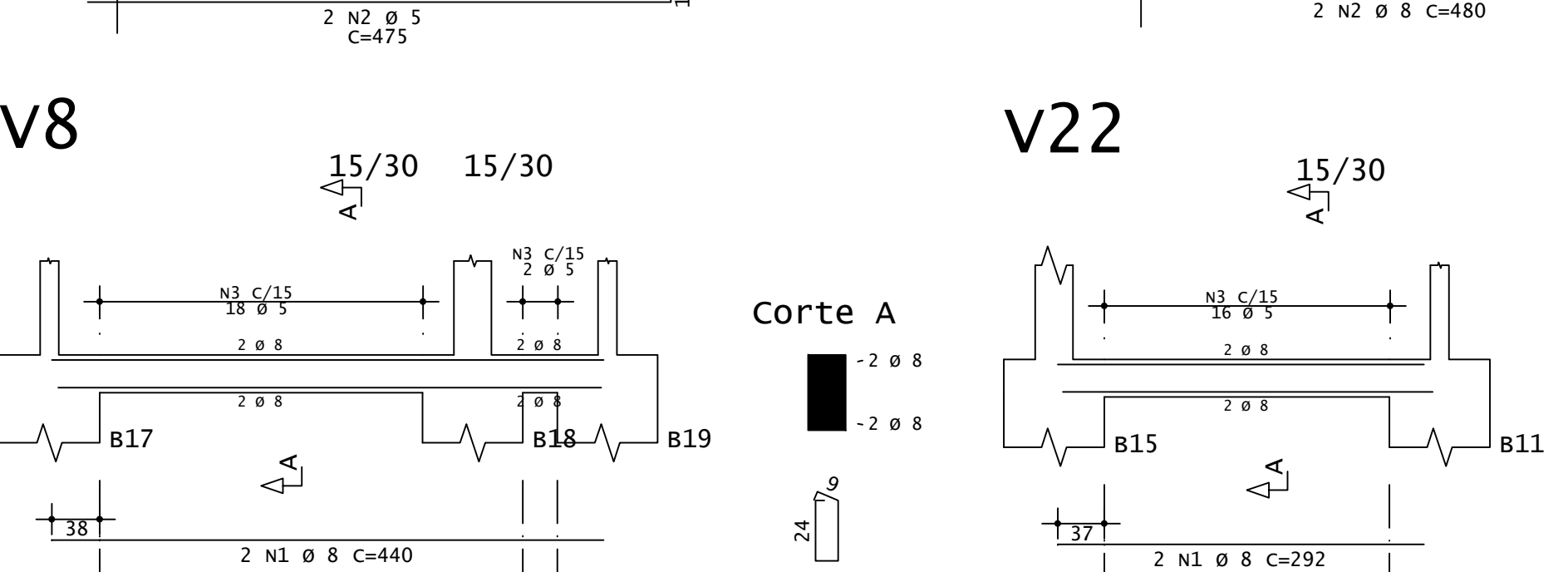
V9



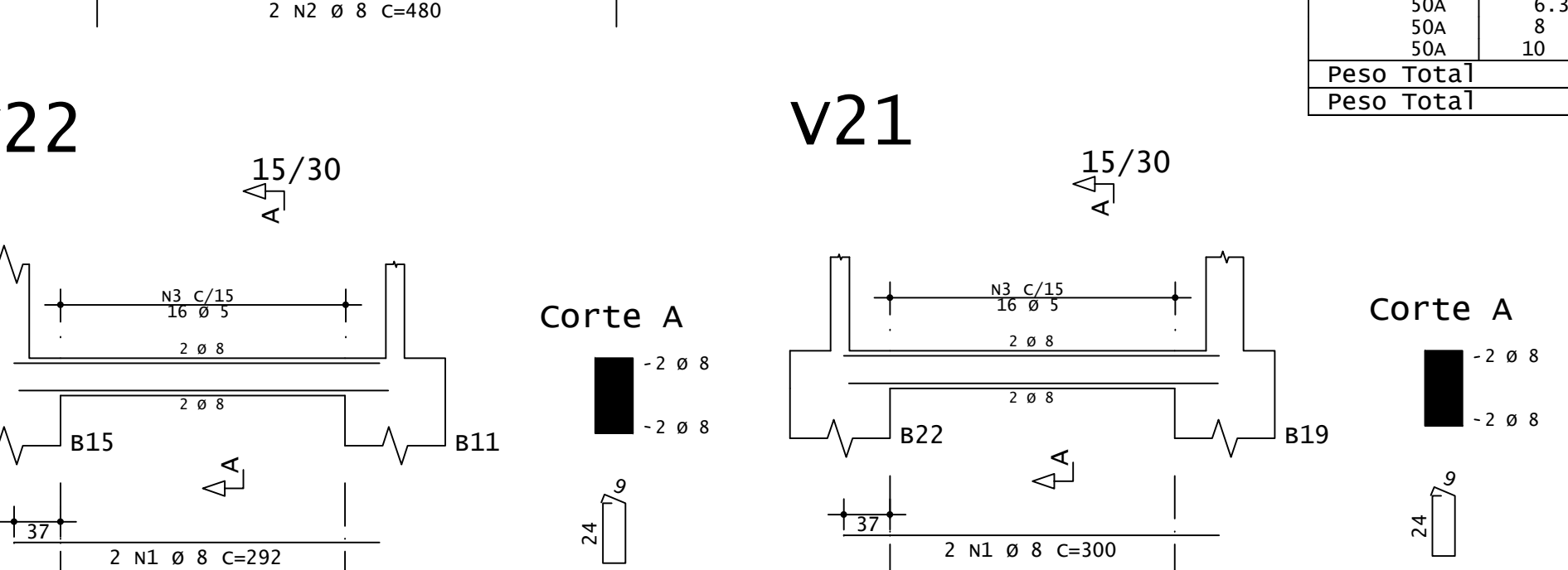
V13



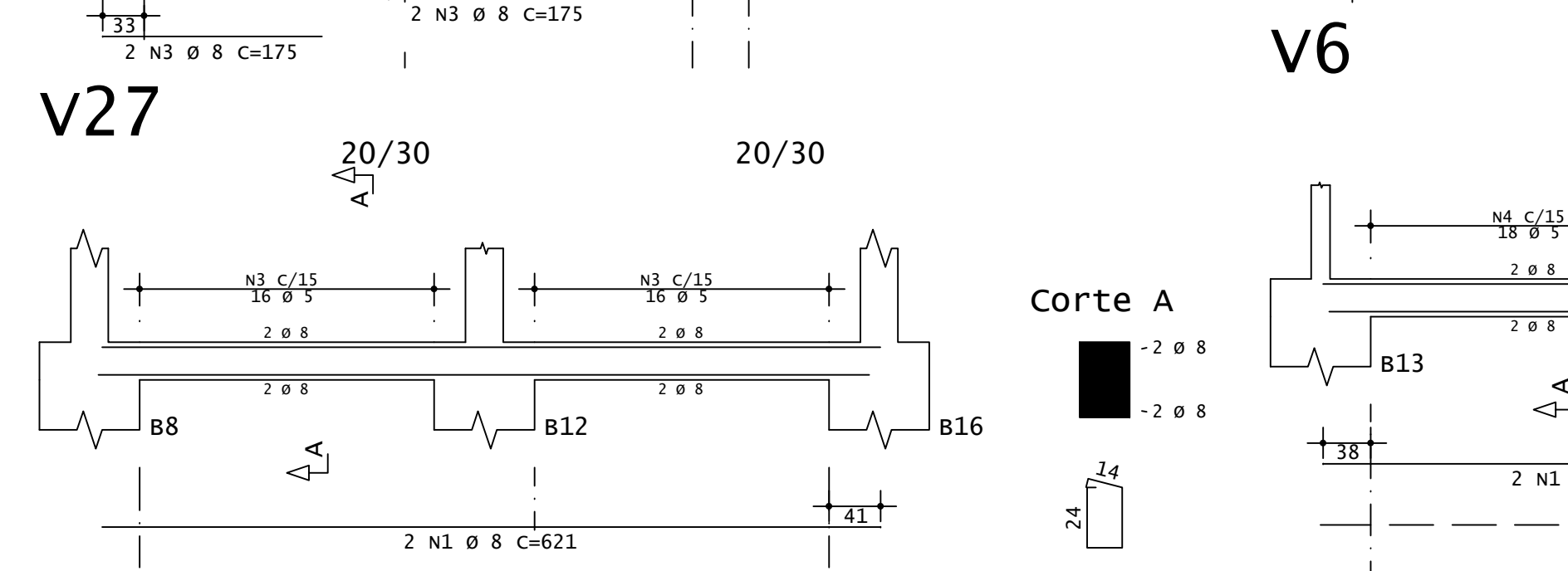
V8



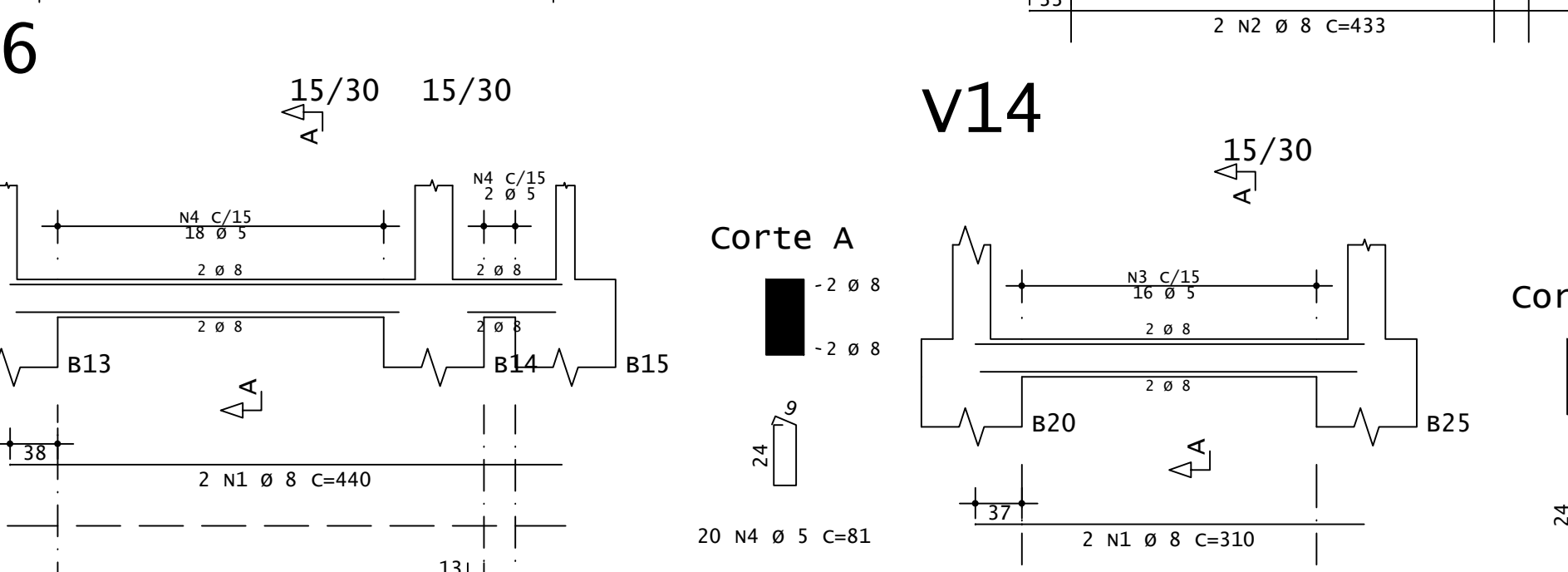
V22



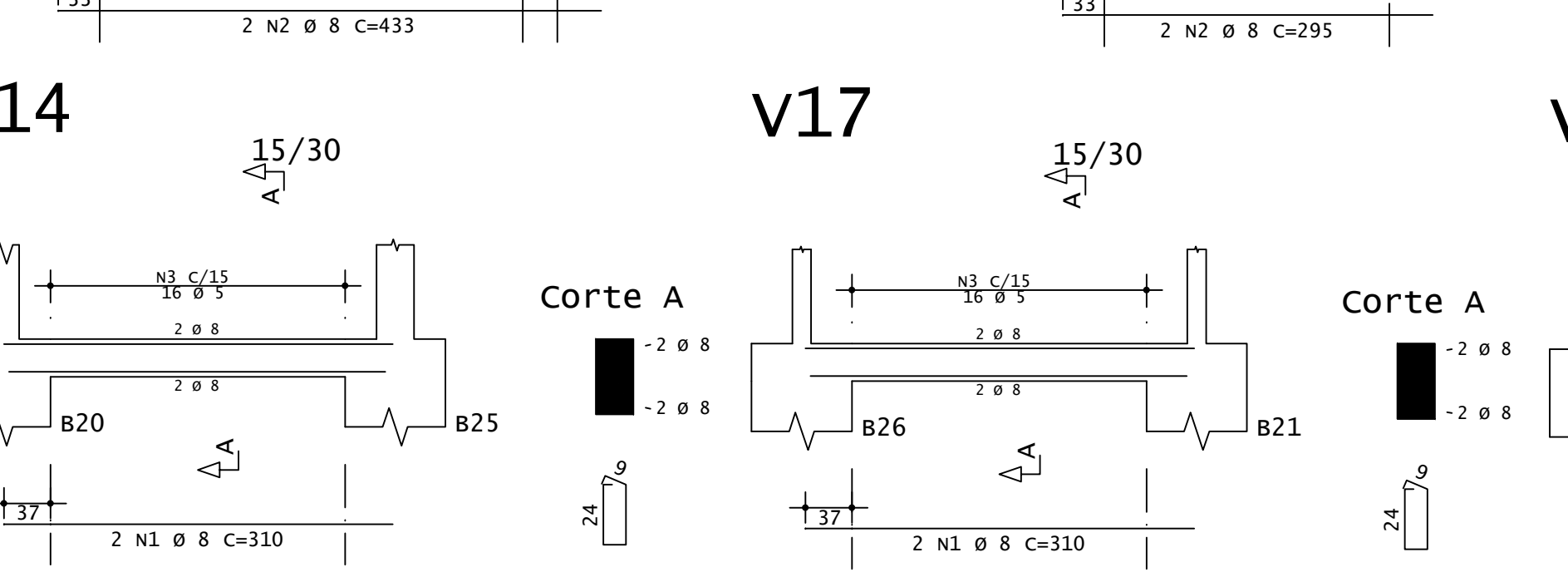
V27



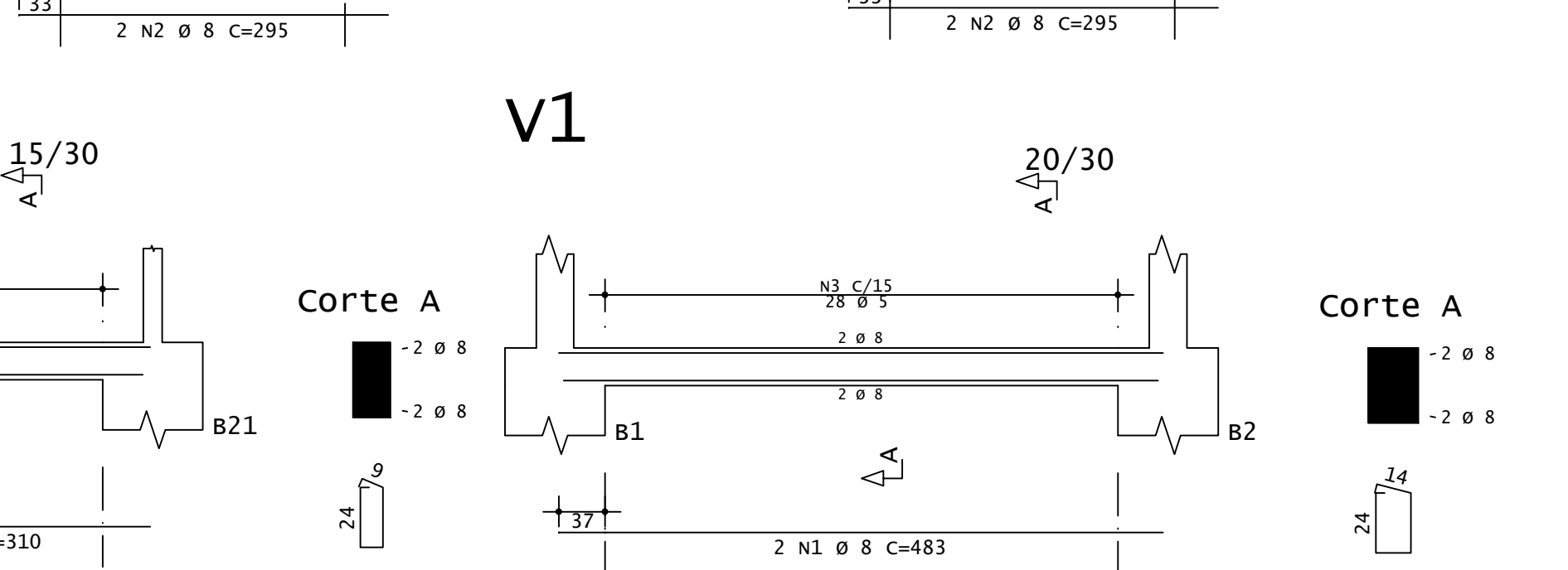
V6



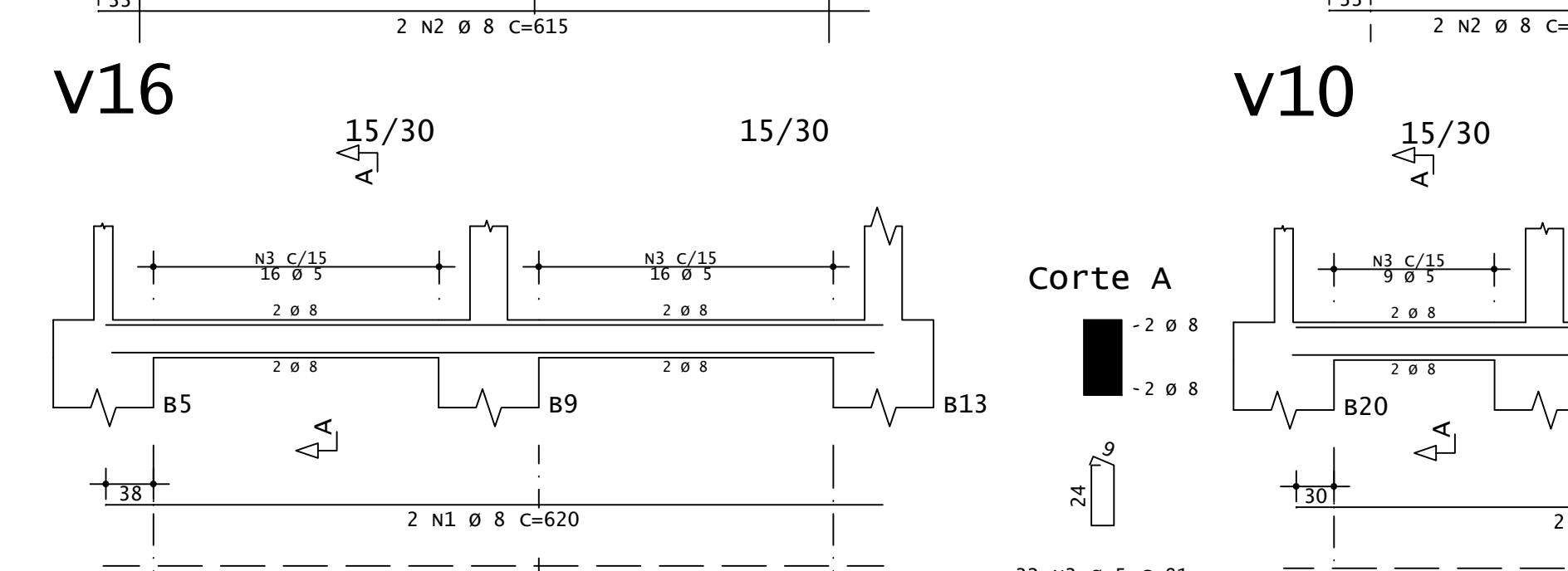
V14



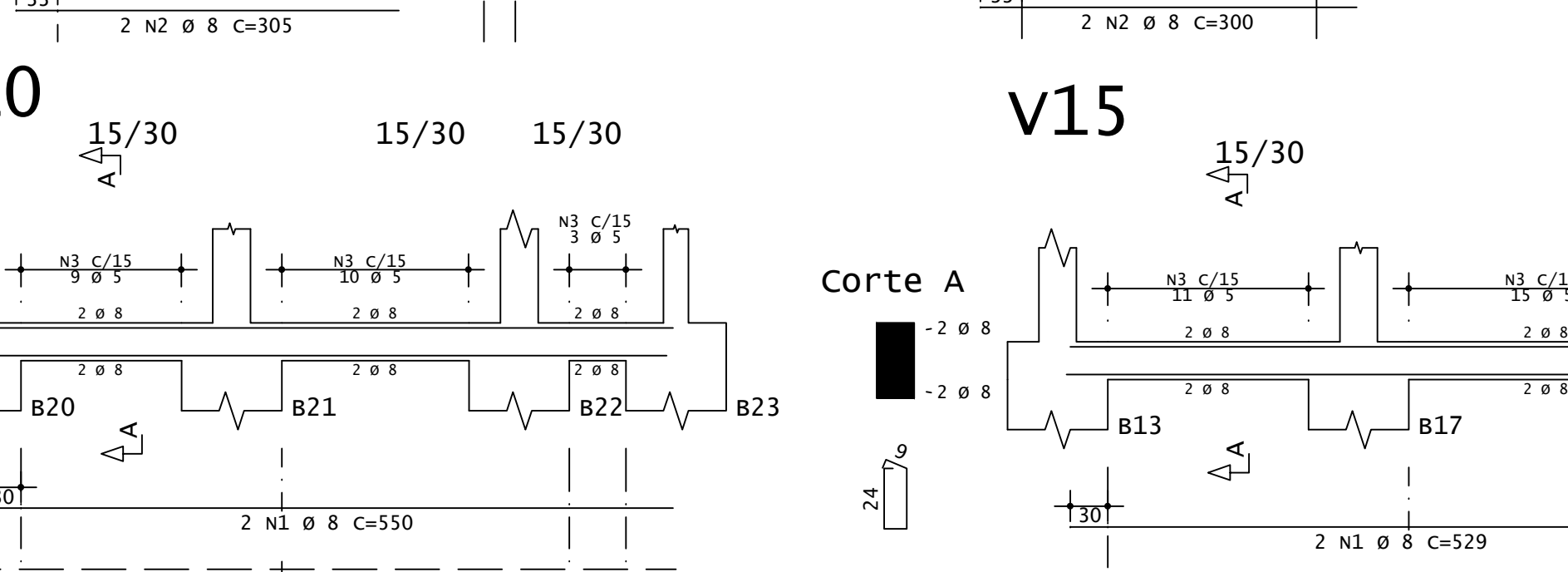
V17



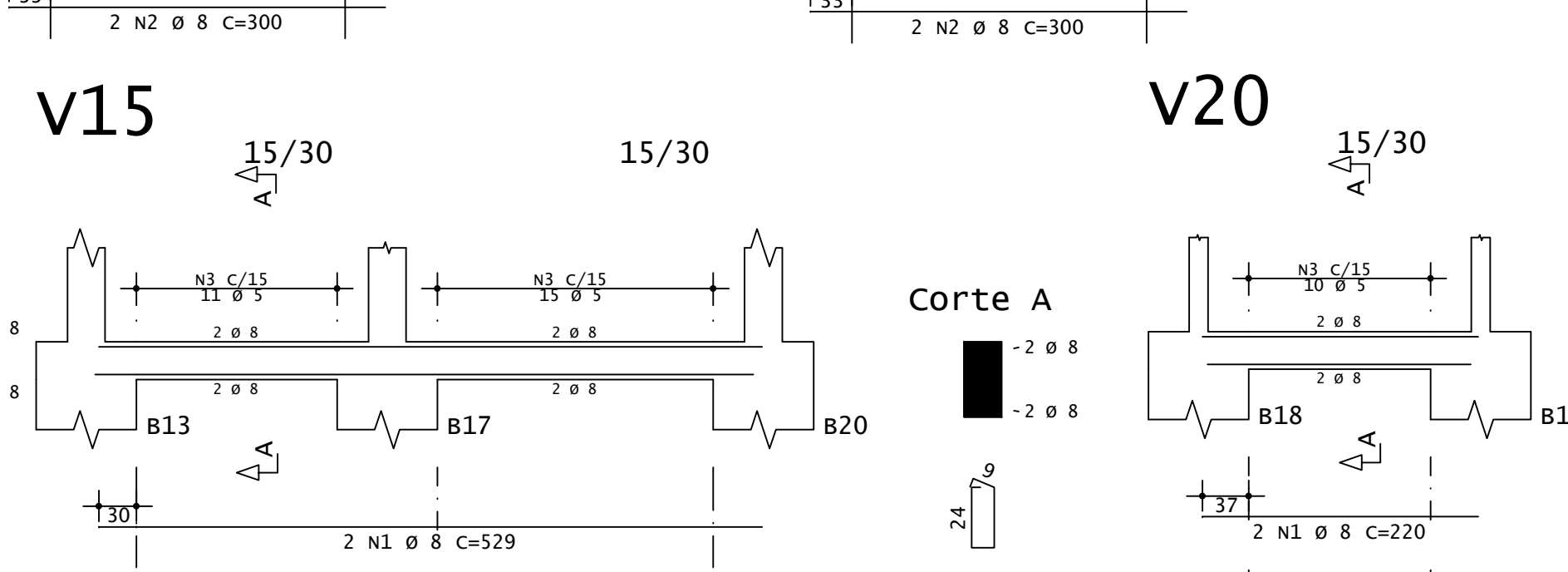
V16



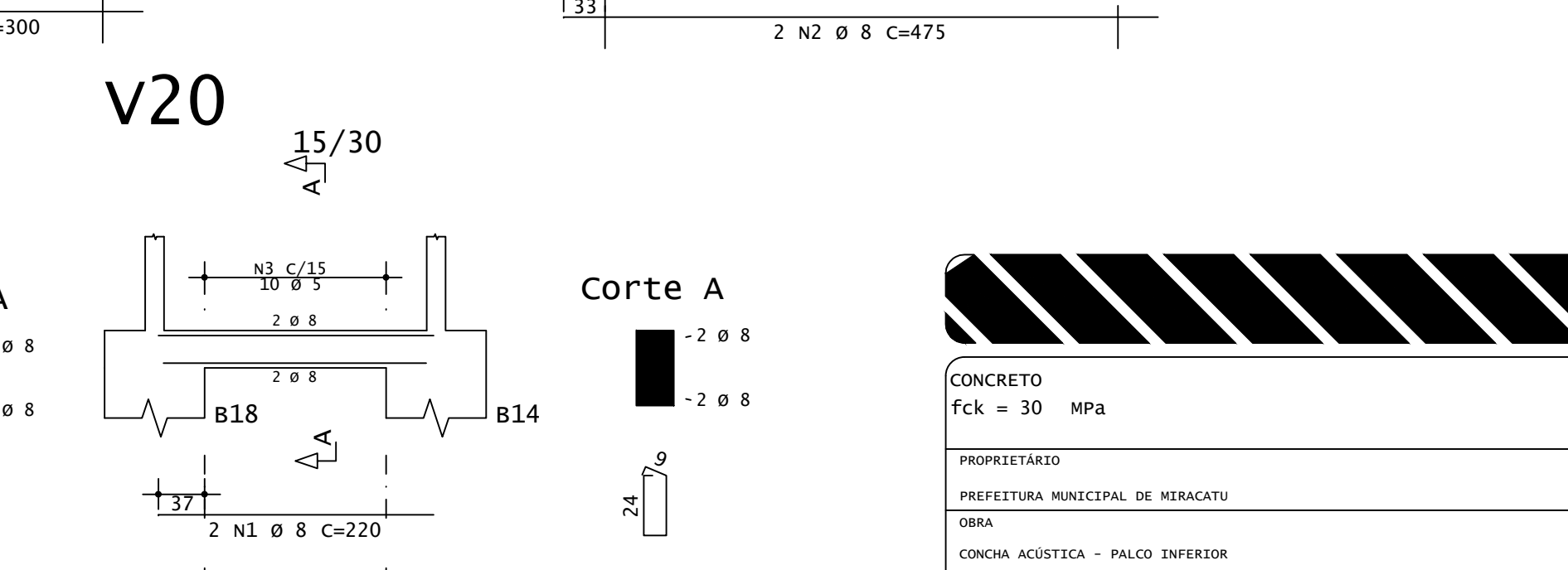
V10



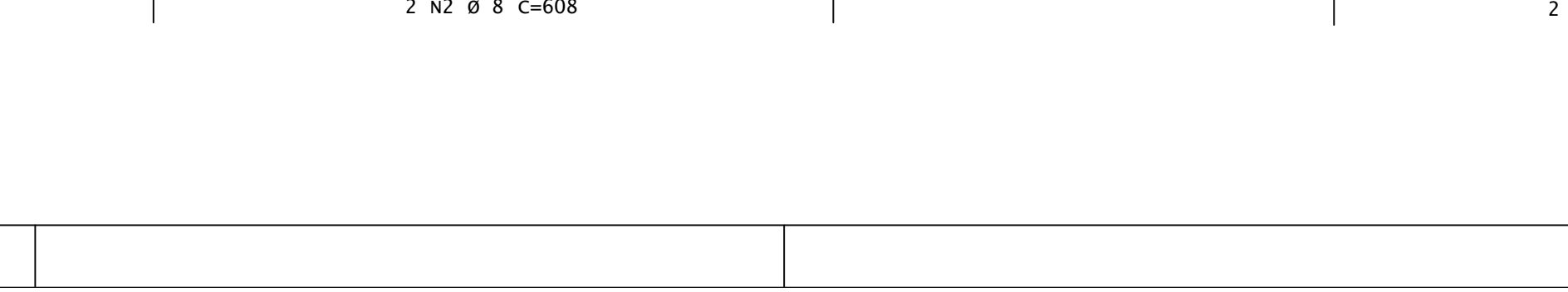
V15



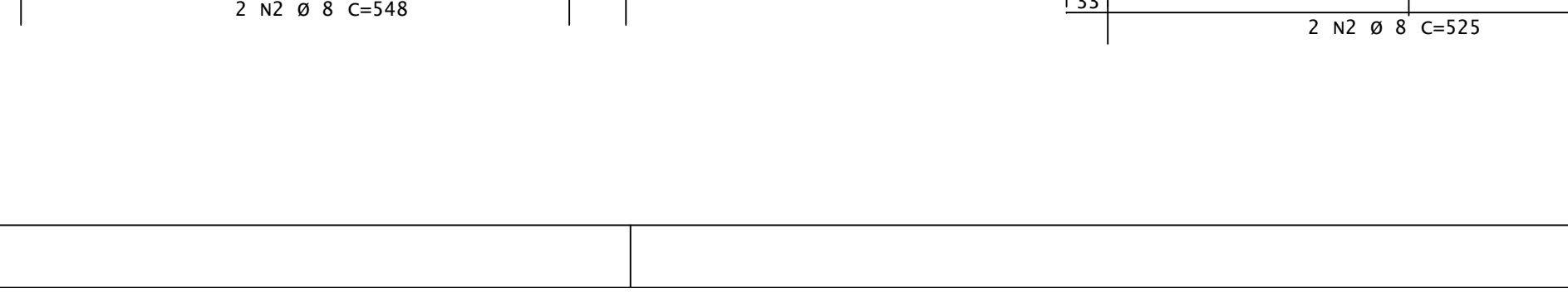
V20



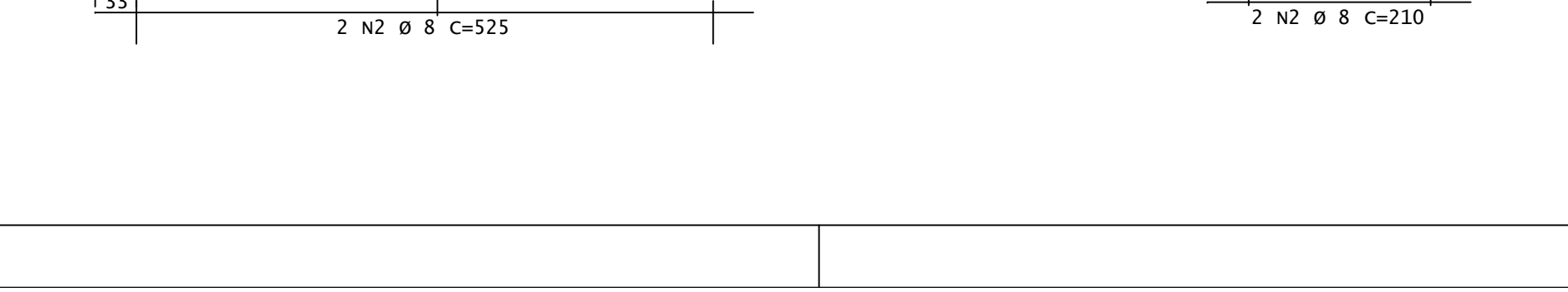
V1



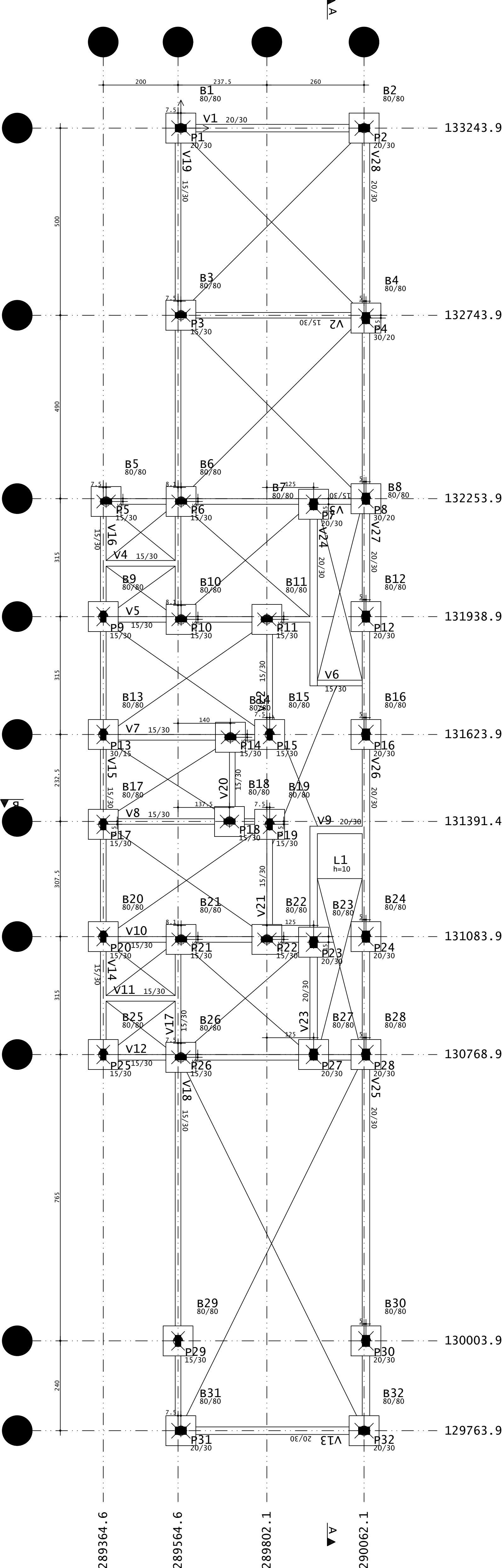
V11



V8



V22



| Baricentros de pilares | | | |
|------------------------|--------|-------|---------|
| Pilar | X (cm) | Pilar | Y (cm) |
| P20 | -207.5 | P37 | -1480.0 |
| P21 | -207.5 | P38 | -1480.0 |
| P22 | -207.5 | P39 | -1480.0 |
| P23 | -207.5 | P40 | -1480.0 |
| P24 | -207.5 | P41 | -1480.0 |
| P25 | -207.5 | P42 | -1480.0 |
| P26 | -207.5 | P43 | -1480.0 |
| P27 | -207.5 | P44 | -1480.0 |
| P28 | -207.5 | P45 | -1480.0 |
| P29 | -207.5 | P46 | -1480.0 |
| P30 | -207.5 | P47 | -1480.0 |
| P31 | -207.5 | P48 | -1480.0 |
| P32 | -207.5 | P49 | -1480.0 |
| P33 | -207.5 | P50 | -1480.0 |
| P34 | -207.5 | P51 | -1480.0 |
| P35 | -207.5 | P52 | -1480.0 |
| P36 | -207.5 | P53 | -1480.0 |
| P37 | -207.5 | P54 | -1480.0 |
| P38 | -207.5 | P55 | -1480.0 |
| P39 | -207.5 | P56 | -1480.0 |
| P40 | -207.5 | P57 | -1480.0 |
| P41 | -207.5 | P58 | -1480.0 |
| P42 | -207.5 | P59 | -1480.0 |
| P43 | -207.5 | P60 | -1480.0 |
| P44 | -207.5 | P61 | -1480.0 |
| P45 | -207.5 | P62 | -1480.0 |
| P46 | -207.5 | P63 | -1480.0 |
| P47 | -207.5 | P64 | -1480.0 |
| P48 | -207.5 | P65 | -1480.0 |
| P49 | -207.5 | P66 | -1480.0 |
| P50 | -207.5 | P67 | -1480.0 |
| P51 | -207.5 | P68 | -1480.0 |
| P52 | -207.5 | P69 | -1480.0 |
| P53 | -207.5 | P70 | -1480.0 |
| P54 | -207.5 | P71 | -1480.0 |
| P55 | -207.5 | P72 | -1480.0 |
| P56 | -207.5 | P73 | -1480.0 |
| P57 | -207.5 | P74 | -1480.0 |
| P58 | -207.5 | P75 | -1480.0 |
| P59 | -207.5 | P76 | -1480.0 |
| P60 | -207.5 | P77 | -1480.0 |
| P61 | -207.5 | P78 | -1480.0 |
| P62 | -207.5 | P79 | -1480.0 |
| P63 | -207.5 | P80 | -1480.0 |
| P64 | -207.5 | P81 | -1480.0 |
| P65 | -207.5 | P82 | -1480.0 |
| P66 | -207.5 | P83 | -1480.0 |
| P67 | -207.5 | P84 | -1480.0 |
| P68 | -207.5 | P85 | -1480.0 |
| P69 | -207.5 | P86 | -1480.0 |
| P70 | -207.5 | P87 | -1480.0 |
| P71 | -207.5 | P88 | -1480.0 |
| P72 | -207.5 | P89 | -1480.0 |
| P73 | -207.5 | P90 | -1480.0 |
| P74 | -207.5 | P91 | -1480.0 |
| P75 | -207.5 | P92 | -1480.0 |
| P76 | -207.5 | P93 | -1480.0 |
| P77 | -207.5 | P94 | -1480.0 |
| P78 | -207.5 | P95 | -1480.0 |
| P79 | -207.5 | P96 | -1480.0 |
| P80 | -207.5 | P97 | -1480.0 |
| P81 | -207.5 | P98 | -1480.0 |
| P82 | -207.5 | P99 | -1480.0 |
| P83 | -207.5 | P100 | -1480.0 |

| | AÇO | POS | BIT (mm) | QUANT | COMPRIMENTO (cm) | TOTAL |
|-----|-----|-----|----------|-------|------------------|-------|
| V1 | 50A | 1 | 8 | 2 | 483 | 966 |
| | 50A | 2 | 8 | 2 | 475 | 950 |
| | 60A | 3 | 5 | 28 | 91 | 2548 |
| V2 | 50A | 1 | 8 | 2 | 488 | 976 |
| | 50A | 2 | 8 | 2 | 480 | 960 |
| | 60A | 3 | 5 | 28 | 91 | 2548 |
| V3 | 50A | 1 | 8 | 2 | 684 | 1368 |
| | 50A | 2 | 8 | 2 | 679 | 1358 |
| | 60A | 3 | 5 | 32 | 81 | 2592 |
| V5 | 50A | 1 | 8 | 2 | 580 | 1160 |
| | 50A | 2 | 8 | 2 | 578 | 1156 |
| | 60A | 3 | 5 | 26 | 61 | 2106 |
| V6 | 50A | 1 | 8 | 2 | 440 | 880 |
| | 50A | 2 | 8 | 2 | 430 | 860 |
| | 60A | 3 | 5 | 20 | 81 | 1620 |
| V7 | 50A | 1 | 8 | 2 | 440 | 880 |
| | 50A | 2 | 8 | 2 | 430 | 860 |
| | 60A | 3 | 5 | 20 | 81 | 1620 |
| V8 | 50A | 1 | 8 | 2 | 440 | 880 |
| | 50A | 2 | 8 | 2 | 430 | 860 |
| | 60A | 3 | 5 | 20 | 81 | 1620 |
| V9 | 50A | 1 | 8 | 2 | 550 | 1100 |
| | 50A | 2 | 8 | 2 | 548 | 1096 |
| | 60A | 3 | 5 | 22 | 81 | 1782 |
| V10 | 50A | 1 | 6.3 | 2 | 120 | 240 |
| | 50A | 2 | 8 | 2 | 475 | 950 |
| | 60A | 3 | 5 | 28 | 91 | 2548 |
| V11 | 50A | 1 | 6.3 | 2 | 105 | 210 |
| | 50A | 2 | 8 | 2 | 625 | 1250 |
| | 50A | 3 | 8 | 2 | 175 | 350 |
| | 50A | 4 | 8 | 2 | 300 | 600 |
| | 50A | 5 | 8 | 2 | 105 | 210 |
| | 60A | 3 | 5 | 20 | 81 | 1620 |
| V12 | 50A | 1 | 8 | 2 | 684 | 1368 |
| | 50A | 2 | 8 | 2 | 688 | 1376 |
| | 60A | 3 | 5 | 32 | 81 | 2592 |
| V13 | 50A | 1 | 8 | 2 | 483 | 966 |
| | 50A | 2 | 8 | 2 | 475 | 950 |
| | 60A | 3 | 5 | 28 | 91 | 2548 |
| V14 | 50A | 1 | 8 | 2 | 310 | 620 |
| | 50A | 2 | 8 | 2 | 300 | 600 |
| | 60A | 3 | 5 | 20 | 81 | 1620 |
| V15 | 50A | 1 | 8 | 2 | 529 | 1058 |
| | 50A | 2 | 8 | 2 | 525 | 1050 |
| | 60A | 3 | 5 | 26 | 81 | 2106 |
| V16 | 50A | 1 | 8 | 2 | 620 | 1240 |
| | 50A | 2 | 8 | 2 | 608 | 1216 |
| | 60A | 3 | 5 | 32 | 81 | 2592 |
| V17 | 50A | 1 | 8 | 2 | 310 | 620 |
| | 50A | 2 | 8 | 2 | 300 | 600 |
| | 60A | 3 | 5 | 16 | 81 | 1296 |
| V18 | 50A | 1 | 8 | 2 | 983 | 1966 |
| | 50A | 2 | 8 | 2 | 983 | 1966 |
| | 60A | 3 | 5 | 57 | 81 | 4617 |
| V19 | 50A | 1 | 8 | 2 | 1310 | 2620 |
| | 50A | 2 | 8 | 2 | 1298 | 2596 |
| | 60A | 3 | 5 | 72 | 81 | 5832 |
| V20 | 50A | 1 | 8 | 2 | 220 | 440 |
| | 50A | 2 | 8 | 2 | 210 | 420 |
| | 60A | 3 | 5 | 10 | 81 | 810 |
| V21 | 50A | 1 | 8 | 2 | 300 | 600 |
| | 50A | 2 | 8 | 2 | 295 | 590 |
| | 60A | 3 | 5 | 16 | 81 | 1296 |
| V22 | 50A | 1 | 8 | 2 | 292 | 584 |
| | 50A | 2 | 8 | 2 | 295 | 590 |
| | 60A | 3 | 5 | 16 | 81 | 1296 |
| V23 | 50A | 1 | 10 | 2 | 617 | 1234 |
| | 50A | 2 | 8 | 2 | 603 | 1206 |
| | 60A | 3 | 5 | 33 | 91 | 3003 |
| V24 | 50A | 1 | 8 | 2 | 520 | 1040 |
| | 60A | 2 | 5 | 2 | 475 | 950 |
| | 60A | 3 | 5 | 30 | 91 | 2730 |
| V25 | 50A | 1 | 8 | 2 | 991 | 1982 |
| | 50A | 2 | 8 | 2 | 990 | 1980 |
| | 60A | 3 | 5 | 57 | 91 | 5187 |
| | 60A | 4 | 5 | 4 | 781 | 3124 |
| V26 | 50A | 1 | 8 | 2 | 844 | 1688 |
| | 50A | 2 | 8 | 2 | 840 | 1680 |
| | 60A | 3 | 5 | 47 | 91 | 4277 |
| V27 | 50A | 1 | 8 | 2 | 621 | 1242 |
| | 50A | 2 | 8 | 2 | 615 | 1230 |
| | 60A | 3 | 5 | 32 | 91 | 2730 |
| V28 | 50A | 1 | 8 | 2 | 983 | 1978 |
| | 50A | 2 | 8 | 2 | 978 | 1956 |
| | 60A | 3 | 5 | 56 | 91 | 5096 |

| AÇO | RESUMO AÇO CA | 50-60 | PESO |
|------------|---------------|-------|--------|
| BIT (mm) | COMPR | (m) | (kg) |
| 60A | 6.3 | 741 | 114 |
| 50A | 8 | 5 | 1 |
| 50A | 10 | 605 | 239 |
| 60A | 12 | 33 | 8 |
| Peso Total | | 60A = | 114 kg |
| Peso Total | | 50A = | 248 kg |

CONCRETO

Fck = 30 MPa

PROJETADO

PROPRIETARIO MUNICIPAL DE MARAGATU

OBRA

CANAL ACUSTICA - PALCO IMPERIO

TITULO

VIGAS BALDRAME

OBRA N.º

DES. N.º

001

REV. N.º

DATA

12/04/2021

ESCALA

EMBOCADA

DESENHO

COORD.

ENG.º

