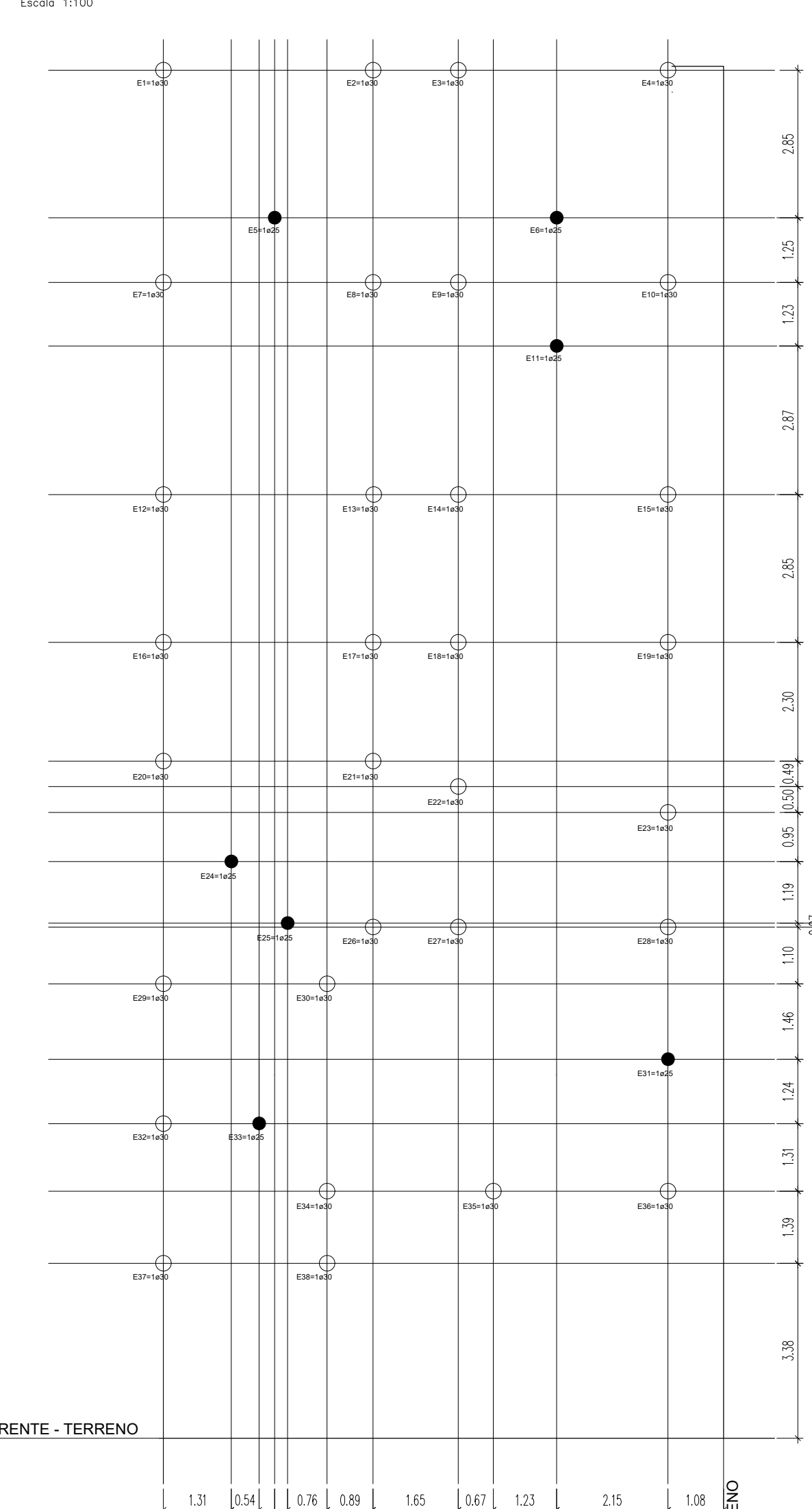
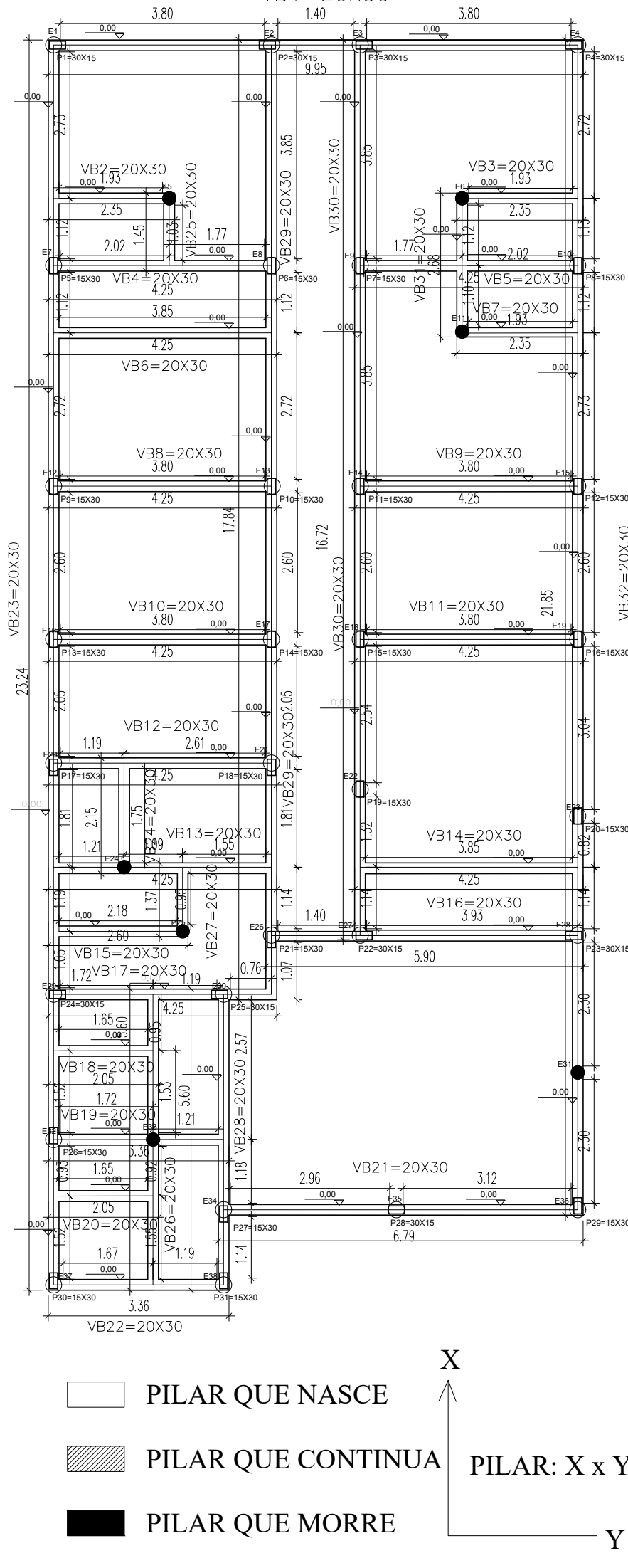


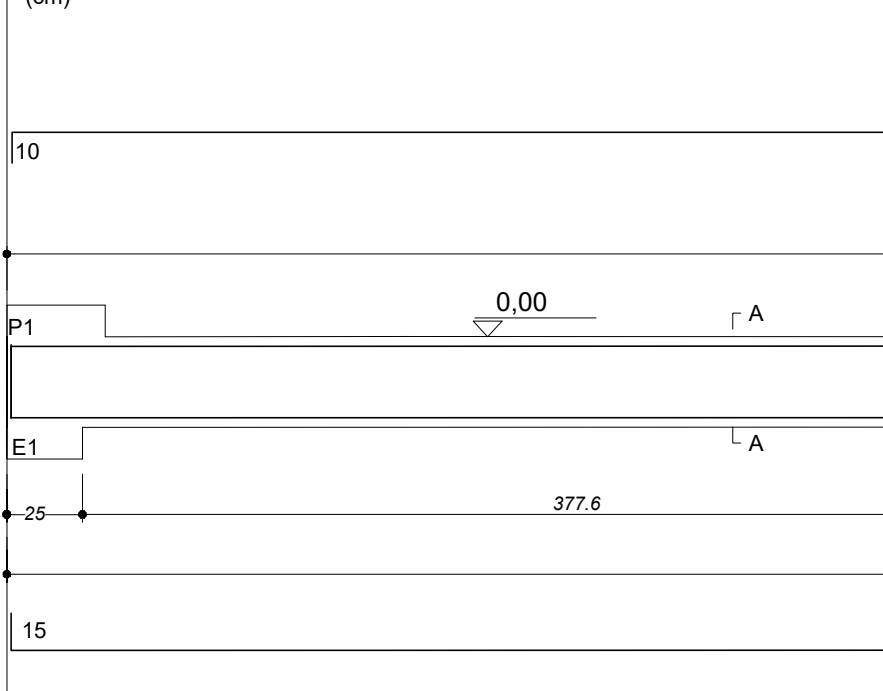
PLANO DE LIGAÇÃO DAS ESTACAS



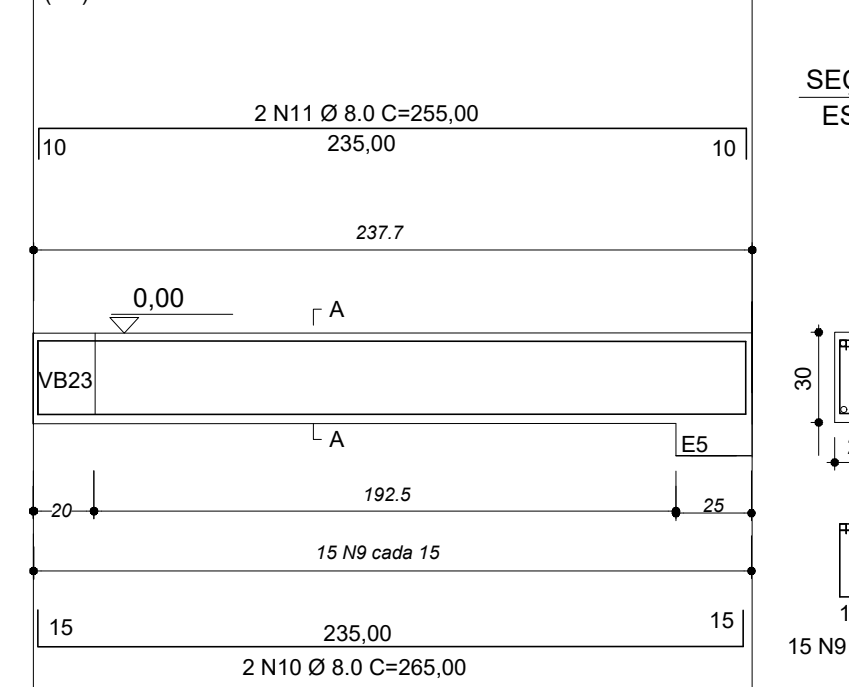
VIGAS BALDRAMES



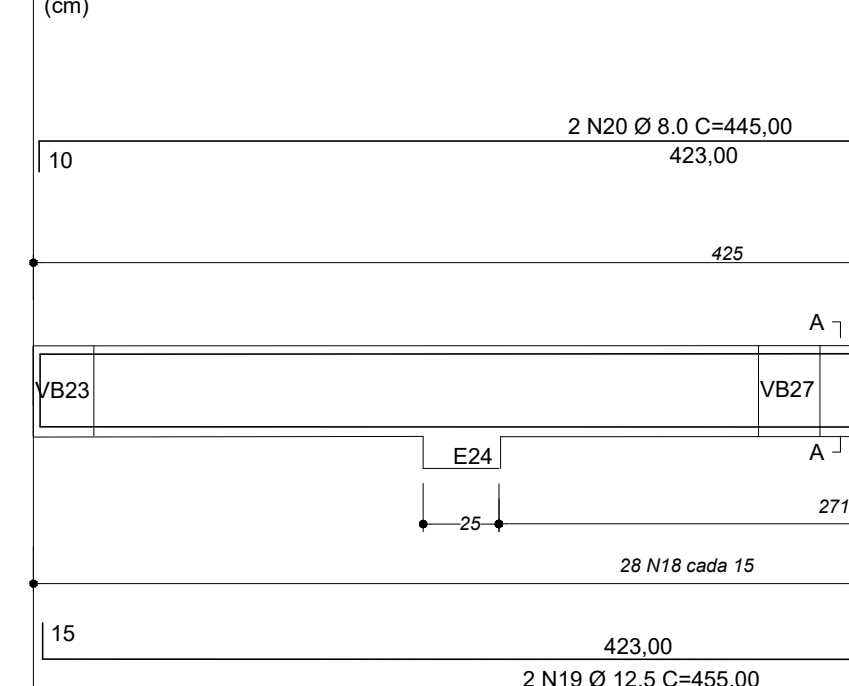
VB1 = 20 X 30



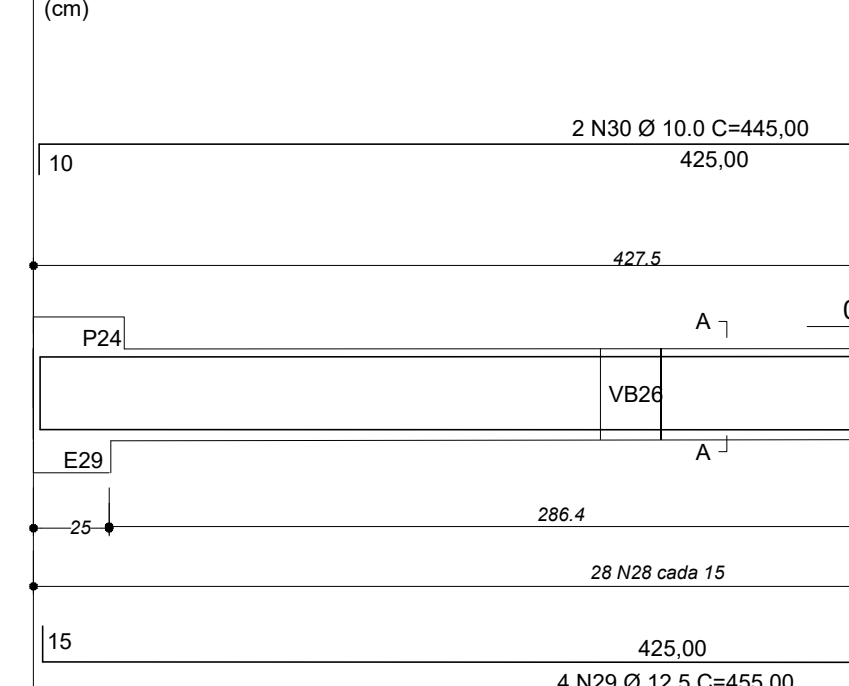
VB2 = VB3 = VB7 = 20 X 30 (3x)



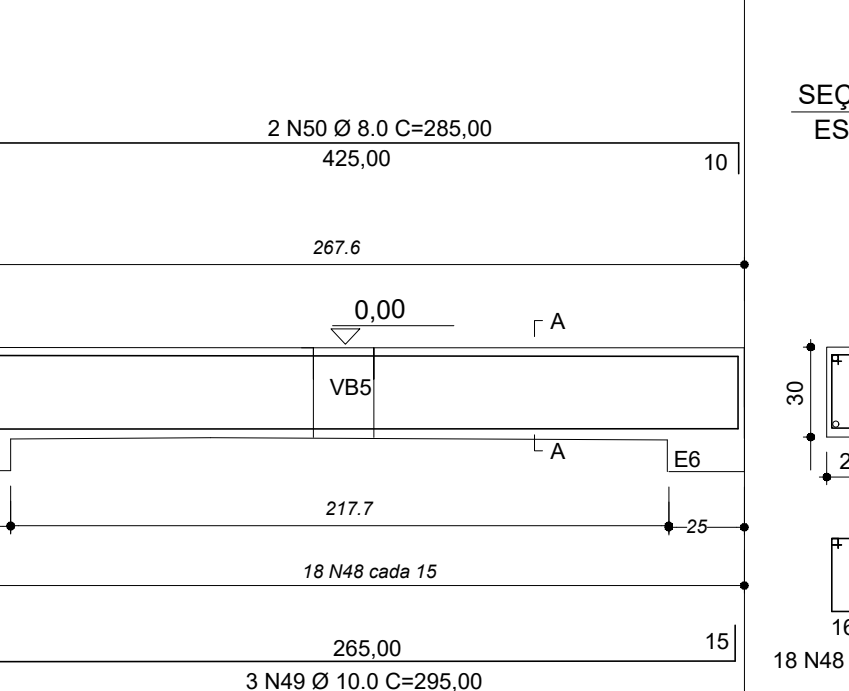
VB13 = 20 X 30



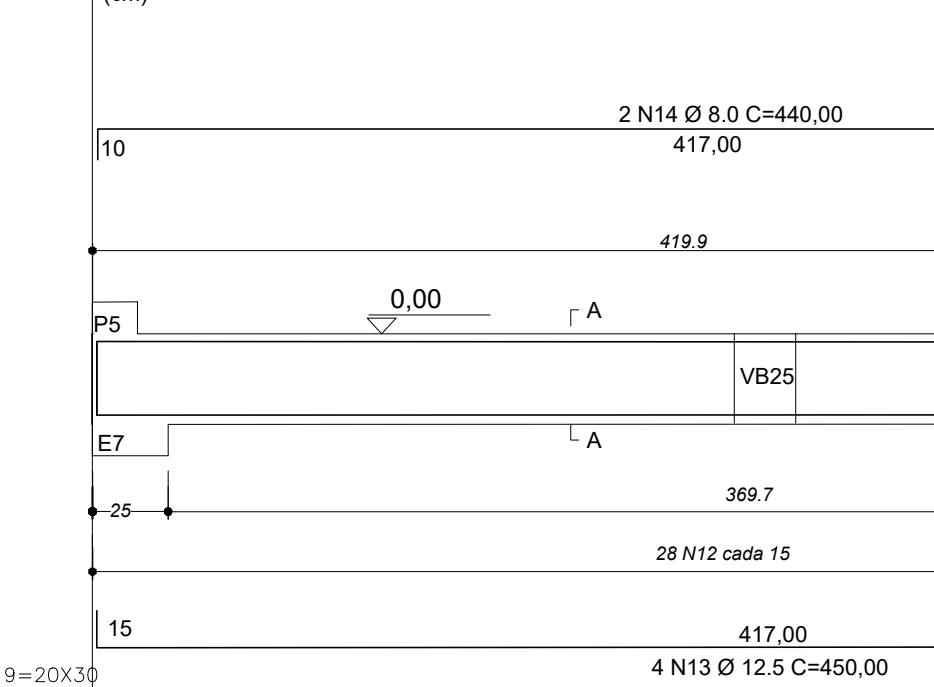
VB17 = VB22 = 20 X 30 (2x)



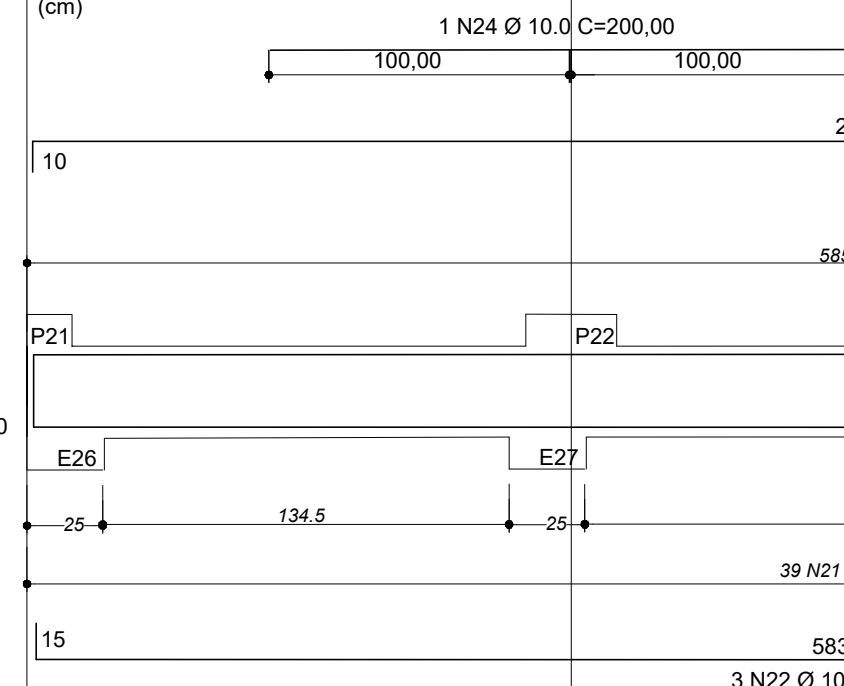
VB31 = 20 X 30



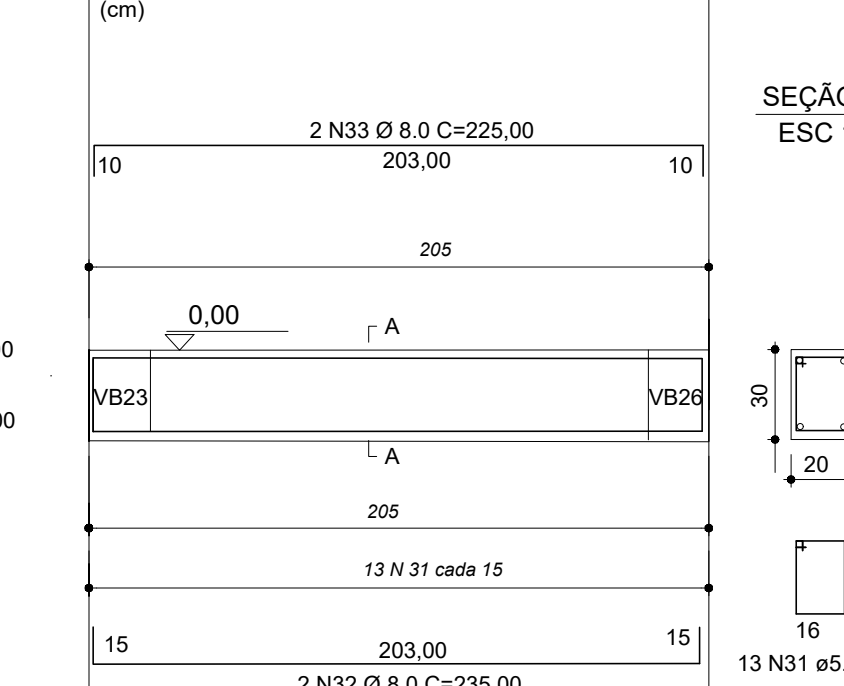
VB4 = VB5 = VB12 = 20 X 30 (3x)



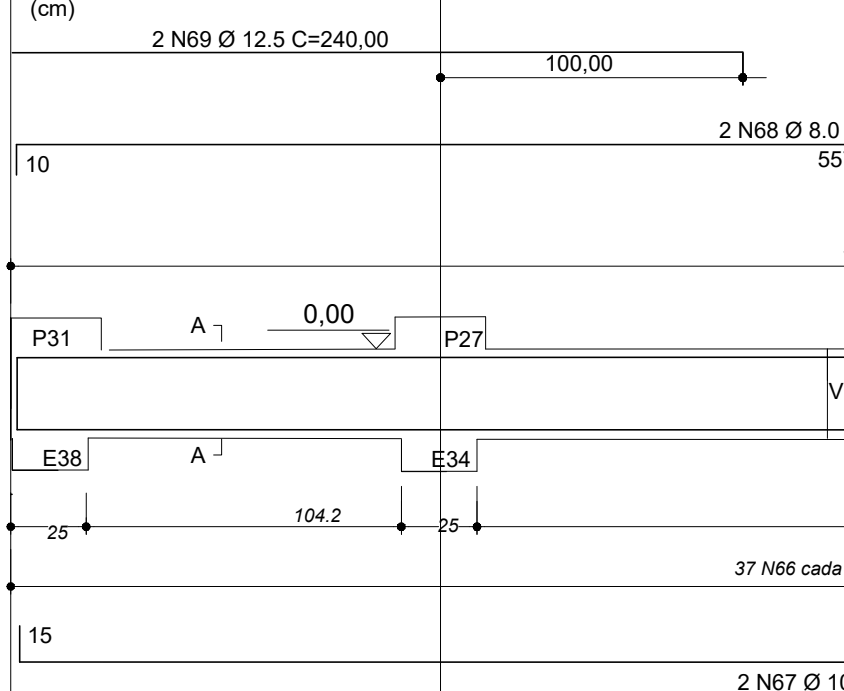
VB16 = 20 X 30



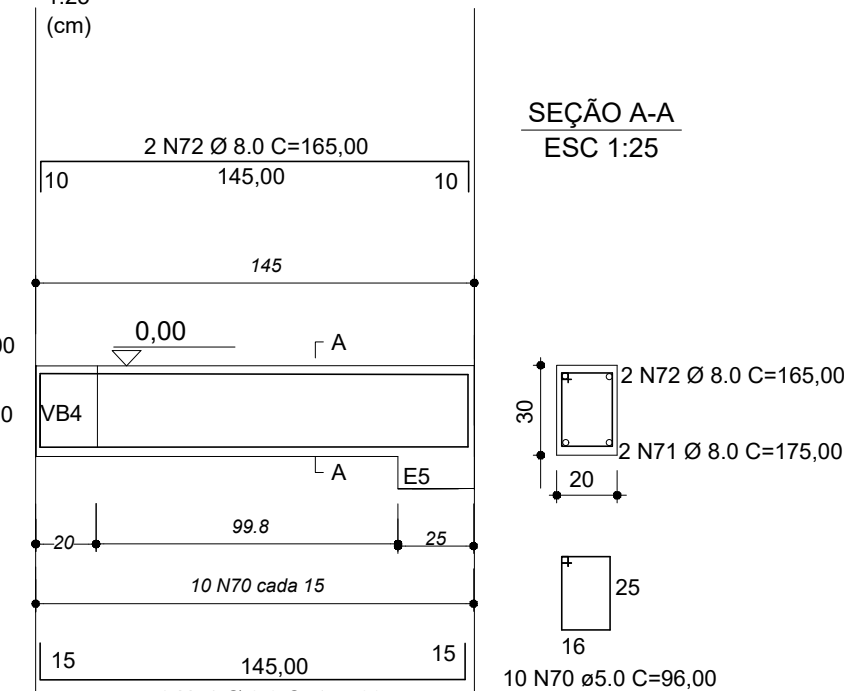
VB18 = VB20 = 20 X 30 (2x)



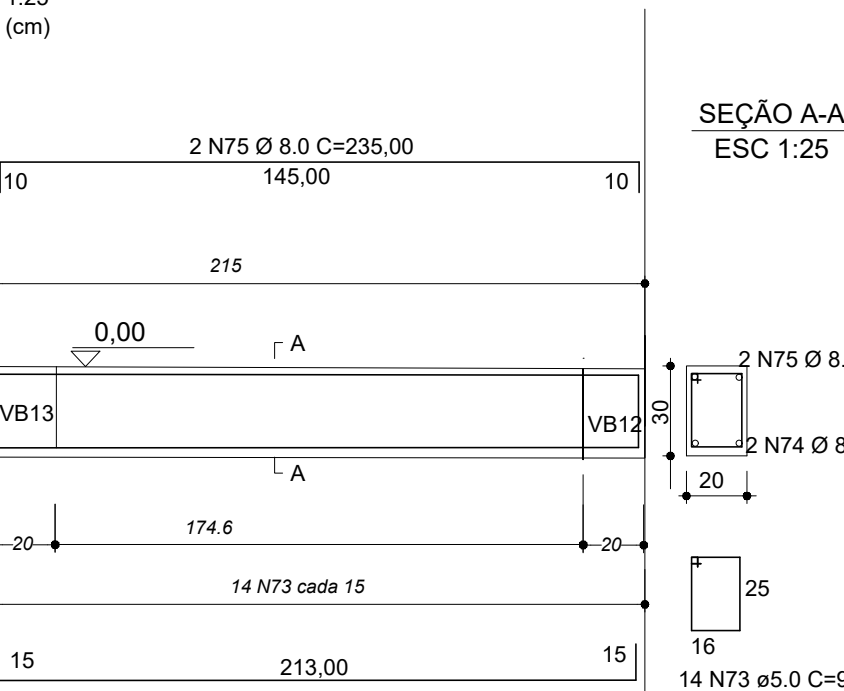
VB28 = 20 X 30



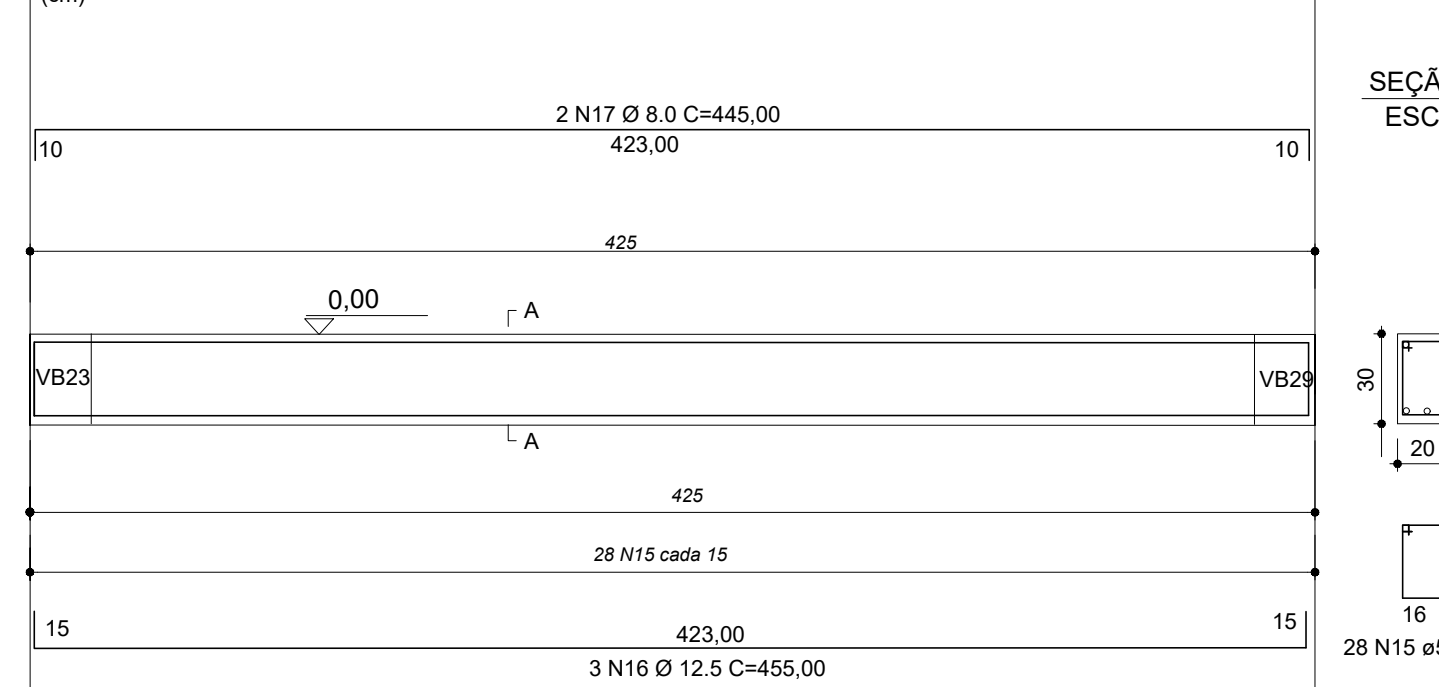
VB25 = VB27 = 20 X 30 (2x)



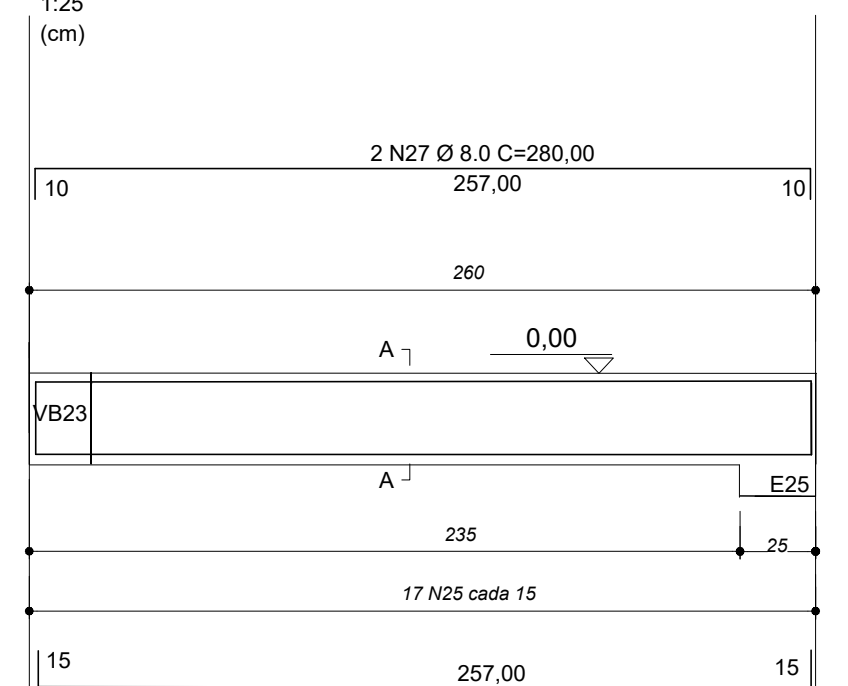
VB24 = 20 X 30



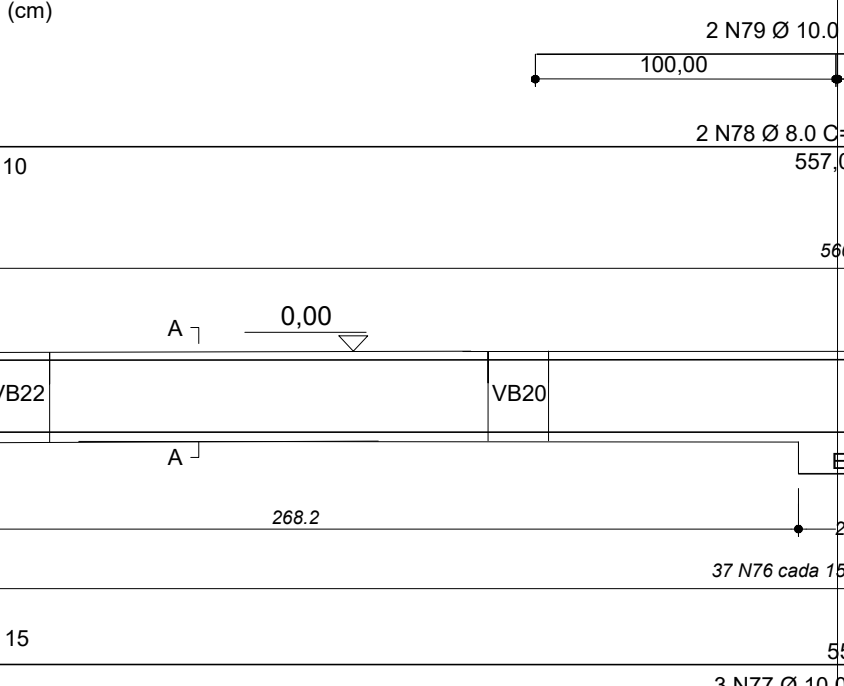
VB6 = VB8 = VB9 = VB10 = VB11 = VB14 = 20 X 30 (6x)



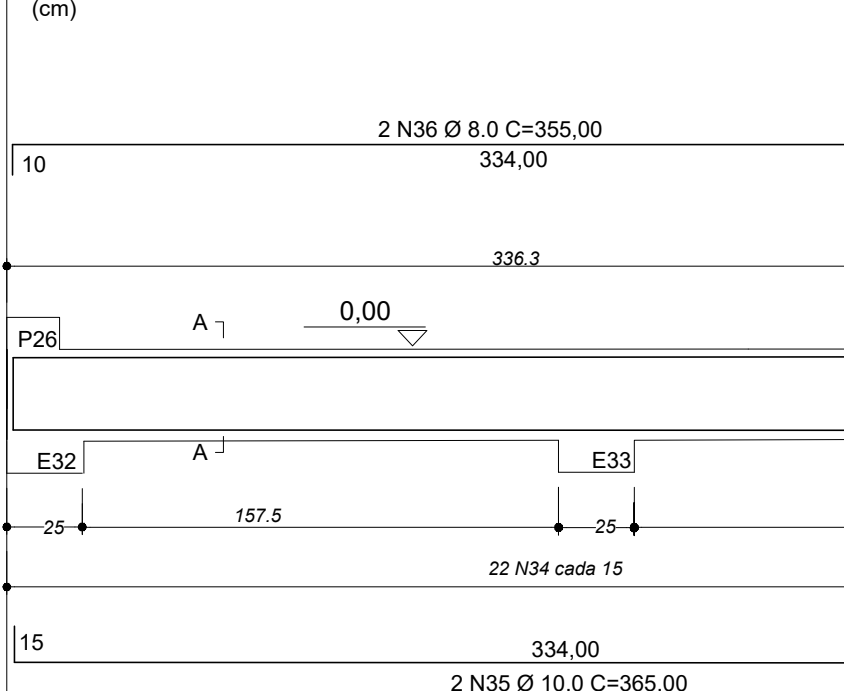
VB15 = 20 X 30



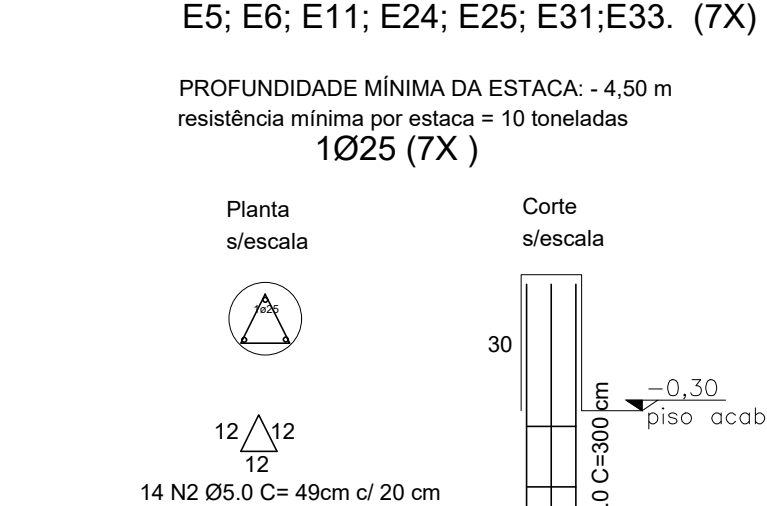
VB26 = 20 X 30



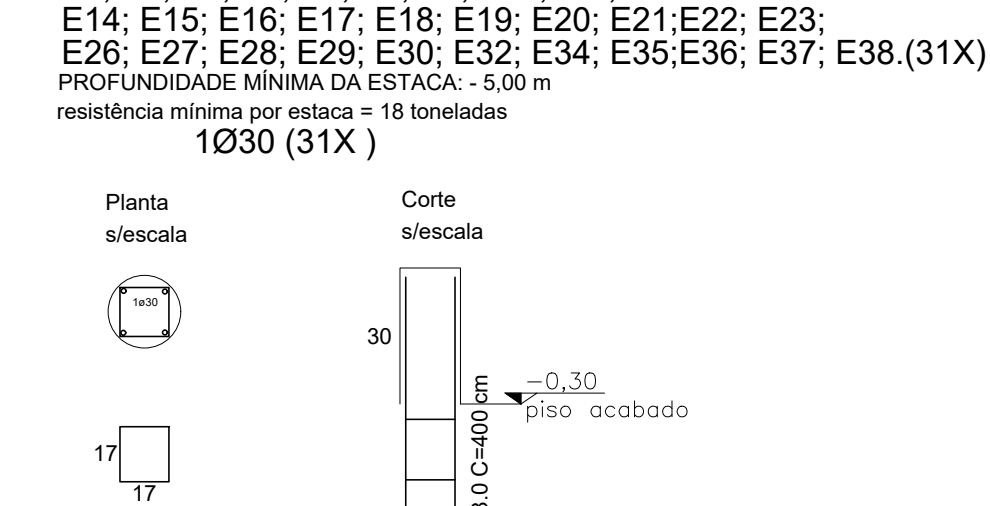
VB19 = 20 X 30



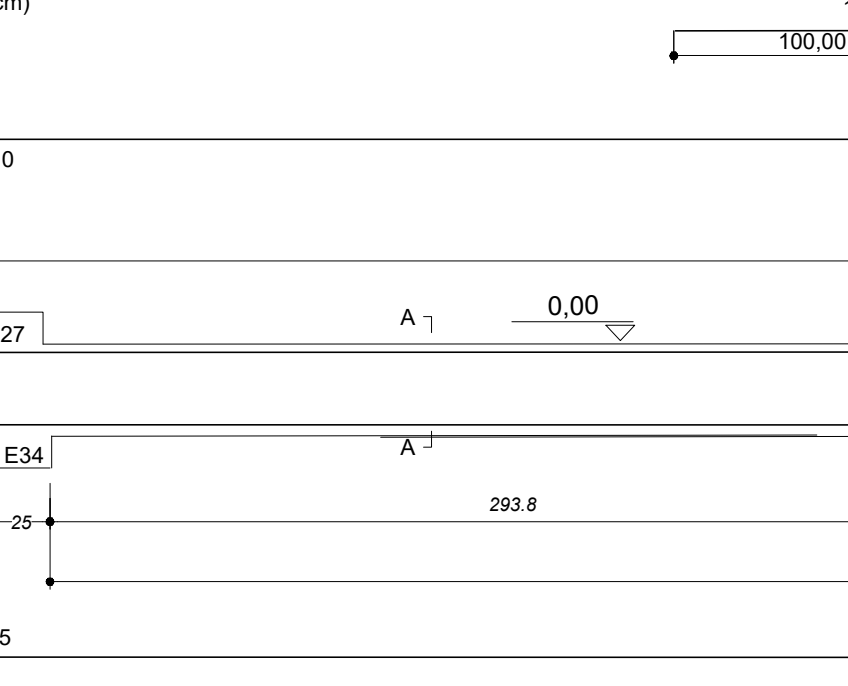
ESTACAS PERFORADAS:



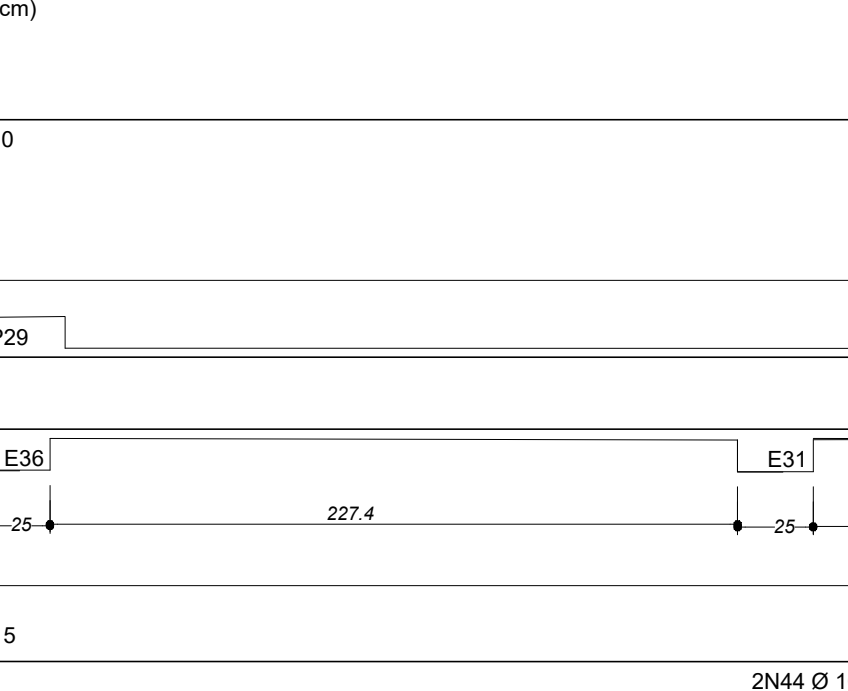
ESTACAS PERFORADAS:



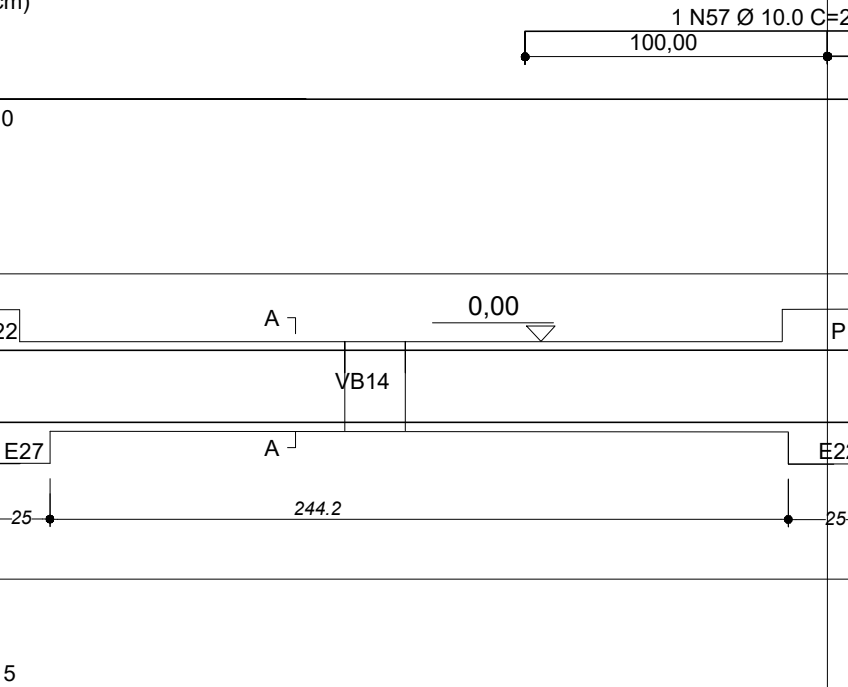
VB21 = 20 X 30



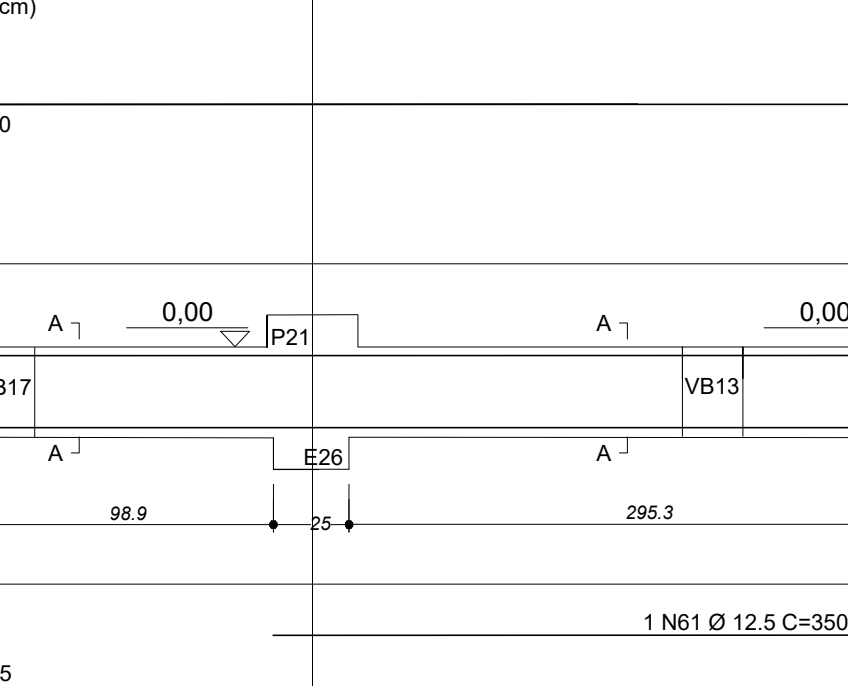
VB32 = 20 X 30



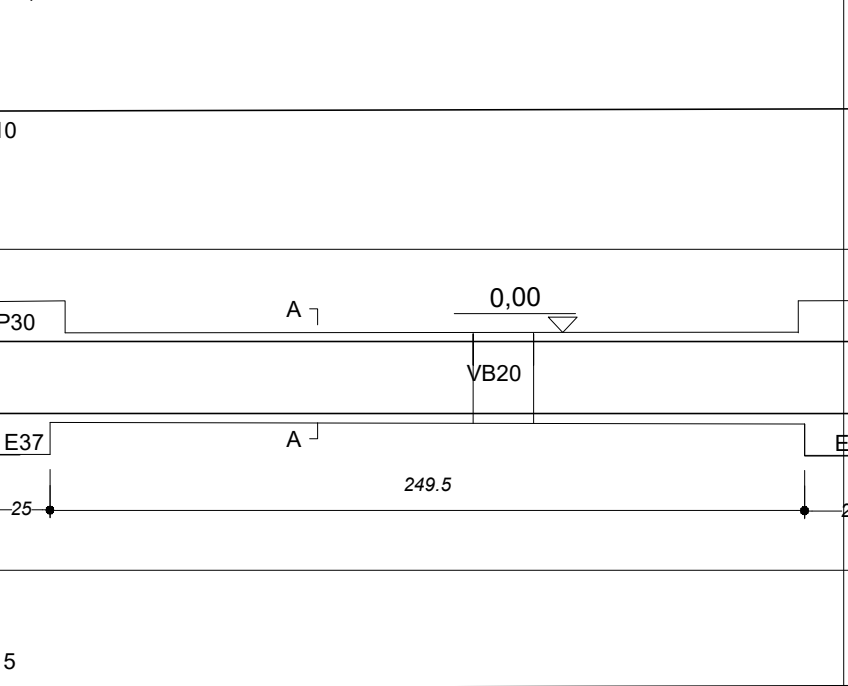
VB30 = 20 X 30



V29 = 20 X 30



VB23 = 20 X 30



RECURSOS DE MATERIAL					RECURSOS DE MÃO DE OBRA				
ADQ	N	DAM	Q	C TOTAL	ADQ	N	DAM	Q	C TOTAL
5090	01	810	21	1650	5090	44	1020	102	1060
02	810	21	1650	02	1020	102	102	102	1020
03	810	21	1650	03	1020	102	102	102	1020
04	810	21	1650	04	1020	102	102	102	1020
05	810	21	1650	05	1020	102	102	102	1020
06	810	21	1650	06	1020	102	102	102	1020
07	810	21	1650	07	1020	102	102	102	1020
08	810	21	1650	08	1020	102	102	102	1020
09	810	21	1650	09	1020	102	102	102	1020
10	810	21	1650	10	1020	102	102	102	1020
11	810	21	1650	11	1020	102	102	102	1020
12	810	21	1650	12	1020	102	102	102	1020
13	810	21	1650	13	1020	102	102	102	1020
14	810	21	1650	14	1020	102	102	102	1020
15	810	21	1650	15	1020	102	102	102	1020
16	810	21	1650	16	1020	102	102	102	1020
17	810	21	1650	17	1020	102	102	102	1020
18	810	21	1650	18	1020	102	102	102	1020
19	810	21	1650	19	1020	102	102	102	1020
20	810	21	1650	20	1020	102	102	102	1020
21	810	21	1650	21	1020	102	102	102	1020
22	810	21	1650	22	1020	102	102	102	1020
23	810	21	1650	23	1020	102	102	102	1020
24	810	21	1650	24	1020	102	102	102	1020
25	810	21	1650	25	1020	102	102	102	1020
26	810	21	1650	26	1020	102	102	102	1020
27	810	21	1650	27	1020	102	102	102	1020
28	810	21	1650	28	1020	102	102	102	1020
29	810	21	1650	29	1020	102	102	102	1020
30	810	21	1650	30	1020	102	102	102	1020
31	810	21	1650	31	1020	102	102	102	1020
32	810	21	1650	32	1020	102	102	102	1020
33	810	21	1650	33	1020	102	102	102	1020
34	810	21	1650	34	1020	102	102	102	1020
35	810	21	1650	35	1020	102	102	102	1020
36	810	21	1650	36	1020	102	102	102	1020
37	810	21	1650	37	1020	102	102	102	1020
38	810	21	1650	38	1020	102	102	102	1020
39	810	21	1650	39	1020	102	102	102	1020
40	810	21	1650	40	1020	102	102	102	1020
41	810	21	1650	41	1020	102	102	102	1020
42	810	21	1650	42	1020	102	102	102	1020
43	810	21	1650	43	1020	102	102	102	1020

ADQ	DAM	C TOTAL	PESO	BARRAS	TOTAL
510	510	510	510	510	510
520	520	520	520	520	520
530	530	530	530	530	530
540	540	540	540	540	540
550	550	550	550	550	550
560	560	560	560	560	560
570	570	570	570	570	570
580	580	580	580	580	580
590	590	590	590	590	590
600	600	600	600	600	600
610	610	610	610	610	610
620	620	620	620	620	620
630	630	630	630	630	630
640	640	640	640	640	640
650	650	650	650	650	650
660	660	660	660	660	660
670	670	670	670	670	670
680	680	680	680	680	680
690	690	690	690	690	690
700	700	700	700	700	700
710	710	710	710	710	710
720	720	720	720	720	720
730	730	730	730	730	730
740	740	740	740	740	740
750	750	750	750	750	750
760	760	760	760	760	760
770	770	770	770	770	770
780	780	780	780	780	780
790	790	790	790	790	790
800	800	800	800	800	800
810	810	810	810	810	810
820	820	820	820	820	820
830	830	830	830	830	830
840	840	840	840	840	840
850	850	850	850	850	850
860	860	860	860	860	860
870	870	870	870	870	870
880	880	880	880	880	880
890	890	890	890	890	890
900	900	900	900	900	900
910	910	910	910	910	910
920	920	920	920	920	920
930	930	930	930	930	930
940	940	940	940	940	940
950	950	950	950	950	950
960	960	960	960	960	960
970	970	970	970	970	970
980	980	980	980	980	980
990	990	990	990	990	990
1000	1000	1000	1000	1000	1000

Vol. concreto Estacas e vigas baldrames: 23,12 m³
Fck = 300,00 kgf/cm²
Consumo minimo/cimento: 310kg/m³