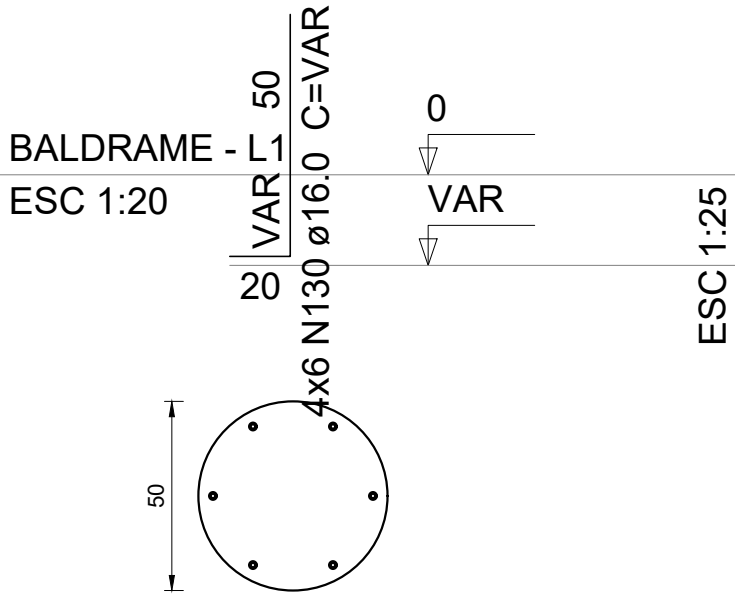


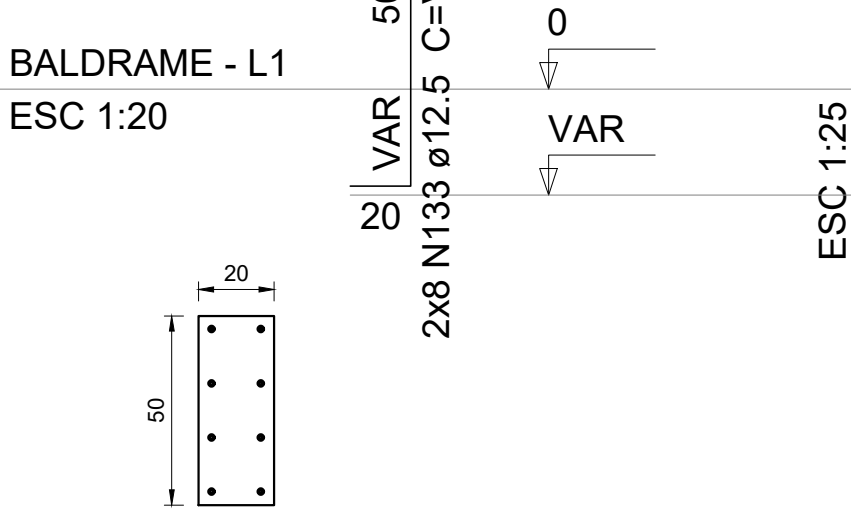
VIGAS BALDRAMES, ARRANQUES DOS PILARES E BLOCOS - NÍVEL 0.00						
RELAÇÃO DO AÇO						
ELEMENTO	AÇO	N	DIAM.	Q.	UNIT. (cm)	C. TOTAL
VB1	CA-60	1	5,0	115	92	10580
	CA-60	2	10,0	4	1198	4792
	CA-50	3	10,0	4	703	2812
VB2	CA-60	4	5,0	105	92	9660
	CA-50	5	10,0	4	1198	4792
	CA-50	6	10,0	4	558	2232
VB3	CA-60	7	5,0	32	92	2944
	CA-50	8	10,0	4	575	2300
VB4	CA-60	9	5,0	36	92	3312
	CA-50	10	10,0	4	625	2500
VB5	CA-60	11	5,0	81	92	7452
	CA-50	12	10,0	4	1198	4792
	CA-50	13	10,0	4	178	712
VB6	CA-60	14	5,0	52	92	4784
	CA-50	15	10,0	4	878	3512
	CA-50	16	10,0	5	36	92
VB7	CA-60	17	10,0	4	625	2500
	CA-60	18	5,0	32	92	2944
VB8	CA-50	19	10,0	4	575	2300
	CA-60	20	5,0	66	92	6072
VB9	CA-50	21	10,0	4	1100	4400
	CA-60	22	5,0	40	92	3680
VB10	CA-50	23	10,0	4	703	2812
	CA-60	24	5,0	33	92	3036
VB11	CA-50	25	10,0	4	575	2300
	CA-60	26	5,0	12	92	1104
VB12	CA-50	27	10,0	4	245	980
	CA-60	28	5,0	32	92	2944
VB13	CA-60	29	10,0	4	575	2300
	CA-50	30	5,0	32	92	2944
VB14	CA-60	31	10,0	4	575	2300
	CA-60	32	5,0	66	92	6072
VB15	CA-50	33	10,0	4	1100	4400
	CA-60	34	5,0	40	92	3680
VB16	CA-50	35	10,0	4	703	2812
	CA-60	36	5,0	46	92	4232
VB17	CA-60	37	10,0	4	800	3200
	CA-60	38	5,0	46	92	4232
VB18	CA-50	39	10,0	4	800	3200
	CA-60	40	5,0	32	92	2944
VB19	CA-50	41	10,0	4	575	2300
	CA-60	42	5,0	32	92	2944
VB20	CA-50	43	10,0	4	575	2300
	CA-60	44	5,0	46	92	4232
VB21	CA-50	45	10,0	4	800	3200
	CA-60	46	5,0	46	92	4232
VB22	CA-50	47	10,0	4	800	3200
	CA-60	48	5,0	108	92	9936
VB23	CA-50	49	10,0	4	1198	4792
	CA-60	50	10,0	4	628	2512
VB24	CA-60	51	5,0	38	92	3496
	CA-50	52	10,0	4	660	2640
VB25	CA-60	53	5,0	32	92	2944
	CA-50	54	10,0	4	575	2300
VB26	CA-60	55	5,0	38	92	3496
	CA-50	56	10,0	4	660	2640
VB27	CA-60	57	5,0	38	92	3496
	CA-50	58	10,0	4	663	2652
VB28	CA-60	59	5,0	136	92	12512
	CA-60	60	10,0	4	1198	4792
VB29	CA-50	61	10,0	4	1130	4520
	CA-60	62	5,0	32	92	2944
VB30	CA-50	63	10,0	4	575	2300
	CA-60	64	5,0	38	92	3496
VB31	CA-50	65	10,0	4	660	2640
	CA-60	66	5,0	39	92	3588
VB32	CA-50	67	10,0	4	690	2760
	CA-60	68	5,0	53	92	4876
VB33	CA-50	69	10,0	4	889	3556
	CA-60	70	5,0	100	92	9200
VB34	CA-50	71	10,0	4	1198	4792
	CA-50	72	10,0	4	492	1968
VB35	CA-60	73	5,0	13	92	1196
	CA-50	74	10,0	4	265	1060
VB36	CA-60	75	5,0	13	92	1196
	CA-50	76	10,0	4	265	1060
VB37	CA-60	77	5,0	91	92	8372
	CA-50	78	10,0	4	1198	4792
VB38	CA-50	79	10,0	4	382	1528
	CA-60	80	5,0	100	92	9200
VB39	CA-50	81	10,0	4	1198	4792
	CA-50	82	10,0	4	492	1968
VB40	CA-60	83	5,0	40	92	3680
	CA-50	84	10,0	4	689	2756
VB41	CA-60	85	5,0	53	92	4876
	CA-50	86	10,0	4	889	3556
VB42	CA-60	87	5,0	32	92	2944
	CA-50	88	10,0	4	575	2300
VB43	CA-60	89	5,0	27	92	2484
	CA-50	90	10,0	4	475	1900
VB44	CA-60	91	5,0	27	92	2484
	CA-50	92	10,0	4	475	1900
VB45	CA-60	93	5,0	32	92	2944
	CA-50	94	10,0	4	575	2300
VB46	CA-60	95	5,0	27	92	2484
	CA-50	96	10,0	4	475	1900
VB47	CA-60	97	5,0	73	92	6716
	CA-50	98	10,0	4	1088	4352
VB48	CA-50	99	10,0	4	182	728
	CA-60	100	5,0	73	92	6716
VB49	CA-50	101	10,0	4	1088	4352
	CA-50	102	10,0	4	188	752
VB50	CA-60	103	5,0	27	92	2484
	CA-50	104	10,0	4	475	1900
VB51	CA-60	105	5,0	32	92	2944
	CA-50	106	10,0	4	575	2300
VB52	CA-60	107	5,0	26	92	2392
	CA-50	108	10,0	4	475	1900
VB53	CA-60	109	5,0	8	92	736
	CA-50	110	10,0	4	164	656
VB54	CA-60	111	5,0	85	92	7820
	CA-50	112	10,0	4	1198	4792
VB55	CA-50	113	10,0	4	267	1068
	CA-60	114	5,0	32	92	2944
VB56	CA-50	115	10,0	4	575	2300
	CA-60	116	5,0	47	92	4324
VB57	CA-50	117	10,0	4	789	3156
	CA-60	118	5,0	86	92	7912
VB58	CA-50	119	10,0	4	1198	4792
	CA-50	120	10,0	4	267	1068
VB59	CA-60	121	5,0	46	92	4232
	CA-50	122	10,0	4	800	3200
VB60	CA-60	123	5,0	47	92	4324
	CA-50	124	10,0	4	789	3156
VB61	CA-60	125	5,0	97	92	8924
	CA-50	126	10,0	4	1198	4792
VB62	CA-50	127	10,0	4	442	1768
	CA-60	128	5,0	34	92	3128
VB63	CA-50	129	10,0	4	625	2500
	CA-60	130	16,0	24	VAR	VAR
P1 (4x)	CA-50	131	10,0	492	VAR	VAR
	P2 (123x)	CA-50	132	10,0	16	VAR
P6 (6x)	CA-50	133	12,5	24	VAR	VAR
	P120 (3x)	CA-50	133	12,5	24	VAR
P128 (1x)	CA-50	134	12,5	8	VAR	VAR
	P129 (2x)	CA-50	135	12,5	12	VAR
B125 (3x)	CA-50	136	8,0	6	202	1212
	CA-50	137	8,0	15	208	3128
B1 (6x)	CA-50	138	8,0	30	358	10740
	CA-50	139	8,0	24	132	3168
B2 (6x)	CA-50	140	8,0	12	177	2124
	CA-50	141	8,0	30	164	4920
B3 (6x)	CA-50	142	12,5	24	175	4200
RESUMO DO AÇO						
AÇO	DIAM.	C. TOTAL (m)	PESO+10% (kg)			
CA-50	8,0	253	110			
CA-50	10,0	1992	1352			
CA-50	12,5	42	44			
CA-60	5,0	2648	449			
PESO TOTAL						
CA-50			29,90	m³		
CA-60			291,60	m²		

Volume concreto(C25) = 29,90 m³
Forma madeira = 291,60 m²

P1=P2=P136=P137



P120=P124=P125

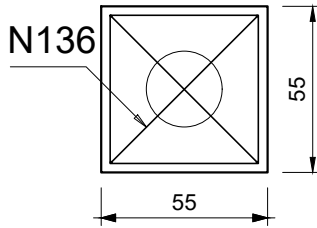


B125=B128=B129 (3x)

1ø25

PLANTA

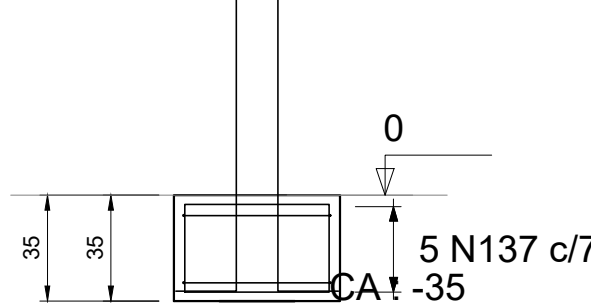
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5 N137 ø8.0 c/7 C=208

CORTE

ESC 1:25



2 N136 ø8.0 C=202

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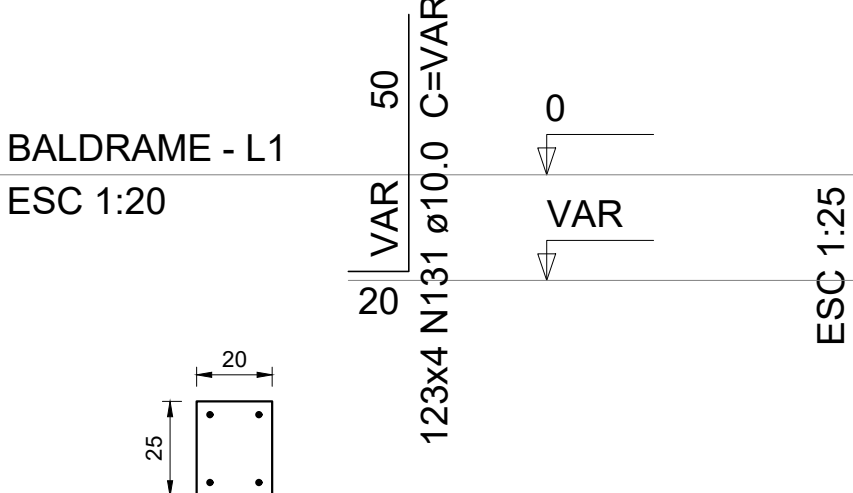
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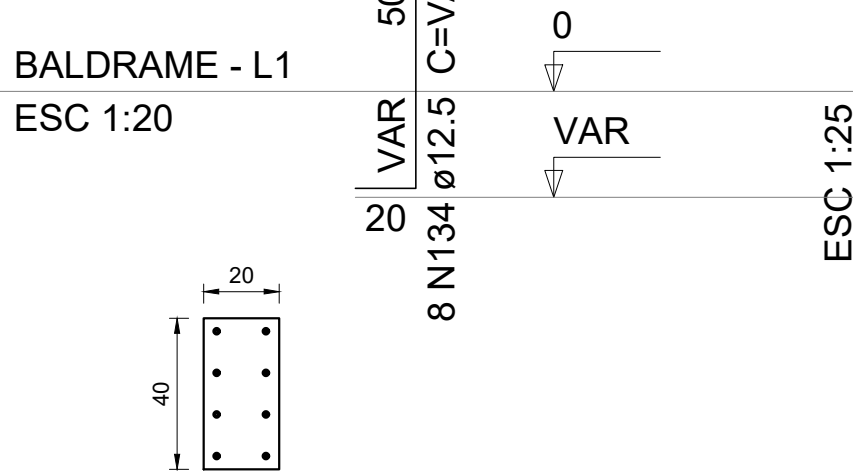
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P128

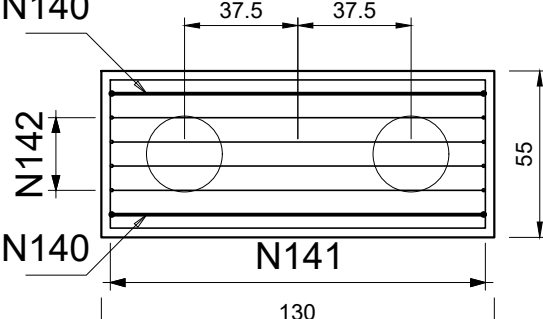


B1=B2=B120=B124=B136=B137 (6x)

2ø25

PLANTA

ESC 1:25



2 N140 ø8.0 c/12 C=177

