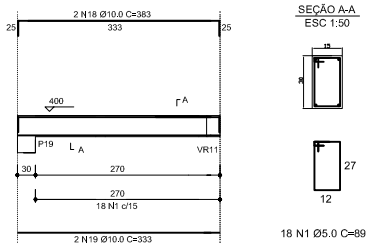
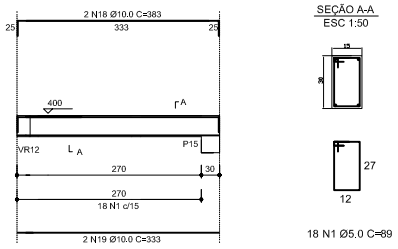
VR15
1:125



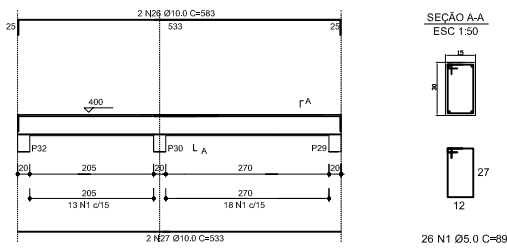
18 N1 Ø5.0 C=89

VR16
1:125



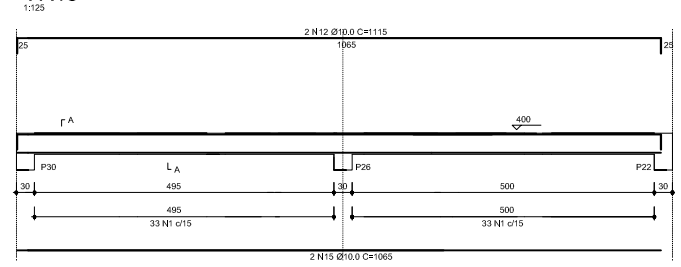
18 N1 Ø5.0 C=89

VR26
1:125



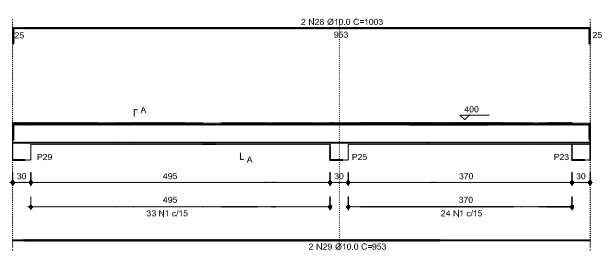
26 N1 Ø5.0 C=89

VR18
1:125



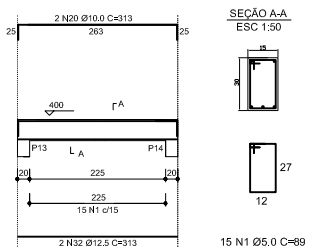
66 N1 Ø5.0 C=89

VR27
1:125



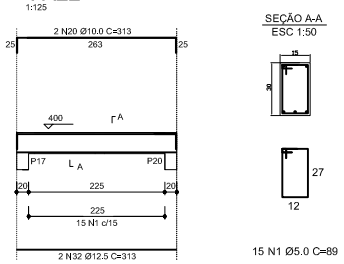
57 N1 Ø5.0 C=89

VR21
1:125



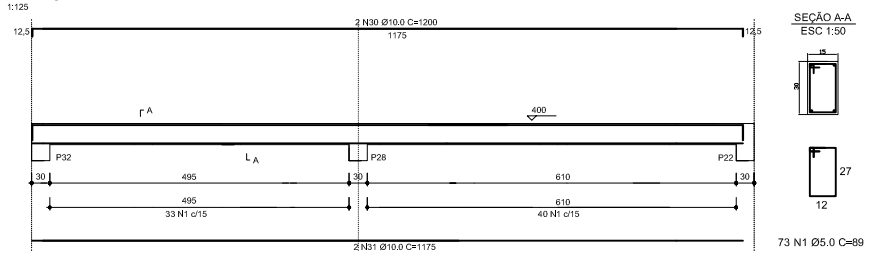
15 N1 Ø5.0 C=89

VR22
1:125



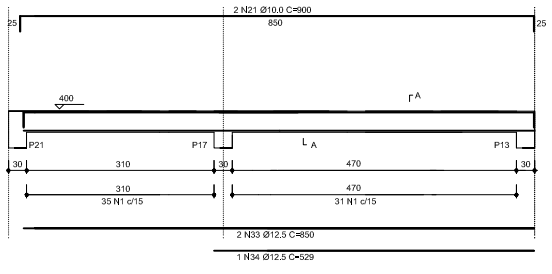
15 N1 Ø5.0 C=89

VR28
1:125



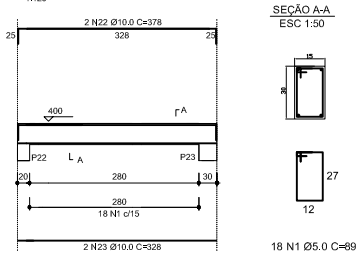
73 N1 Ø5.0 C=89

VR23
1:125



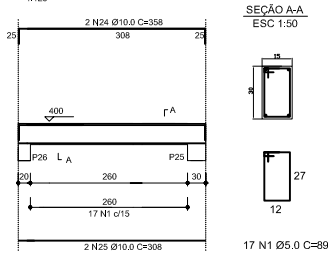
66 N1 Ø5.0 C=89

VR24
1:125



18 N1 Ø5.0 C=89

VR25
1:125



17 N1 Ø5.0 C=89

RELAÇÃO DO AÇO

VR15 VR16 VR18 VR21
VR22 VR23 VR24 VR25
VR26 VR27 VB28

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	389	89	34621
CA50	12	10,0	2	1115	2230
	15	10,0	2	1065	2130
	18	10,0	4	383	1532
	19	10,0	4	333	1332
	20	10,0	4	313	1252
	21	10,0	2	900	1800
	22	10,0	2	378	756
	23	10,0	2	328	656
	24	10,0	2	358	716
	25	10,0	2	308	616
	26	10,0	2	583	1166
	27	10,0	2	533	1066
	28	10,0	2	1003	2006
	29	10,0	2	953	1906
	30	10,0	2	1200	2400
	31	10,0	2	1175	2350
	32	12,5	4	313	1252
	33	12,5	2	850	1700
	34	12,5	1	529	529

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	10,0	239,14	147,54
	12.5	34,81	33,52
CA60	5.0	346,21	53,31

PESO TOTAL (Kg)
CA50
CA60

OBRA/LOCAL:
Centro Municipal de Eventos
Rua Crispim Teixeira Sobrinho, S/Nº, Coxilha-RS

TÍTULO:
Projeto Estrutural

DESCRIÇÃO:
Vigas de Respaldo

PROPRIETÁRIO:
ILDO JOSÉ ORTH
PREFEITO MUNICIPAL

RESPONSÁVEL TÉCNICO:
MARCOS ANDRÉ MIOZZO ZAVODNIK
Eng. Civil CREA/RS 167892

ESCALA: INDICADA

DATA: ABRIL/2019

PRANCHA Nº: EST 09/09