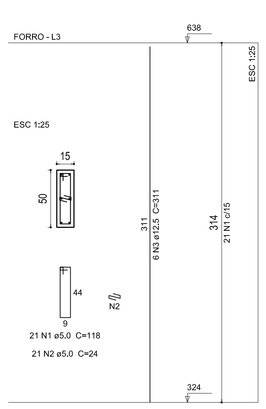
CRIADO POR UM PRODUTO EDUCACIONAL DA AUTODESK

P11



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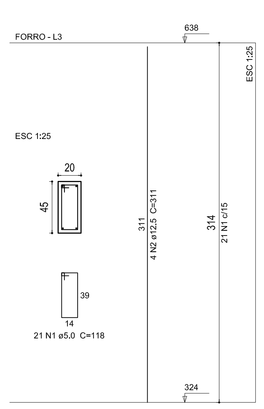

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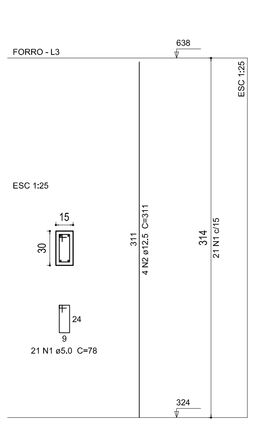

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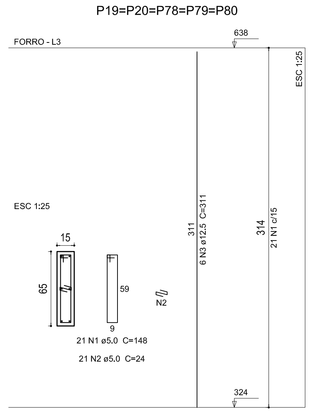

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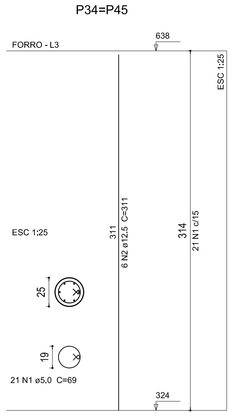

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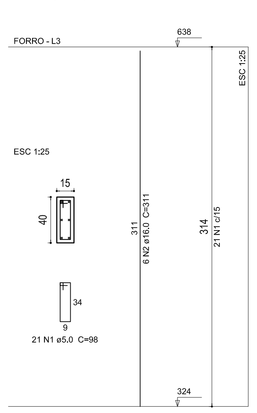

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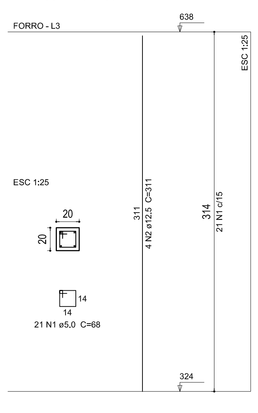

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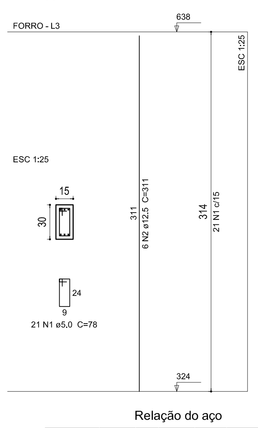
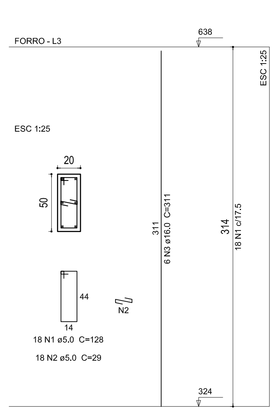


P43



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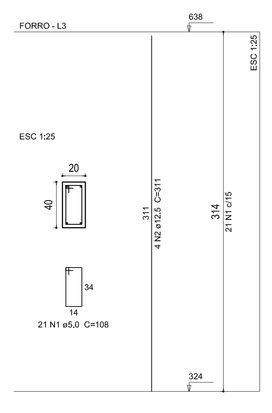
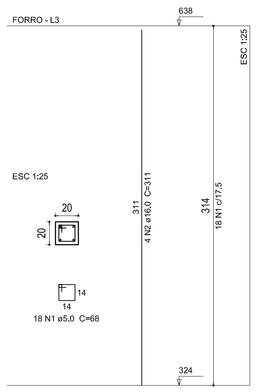


P85



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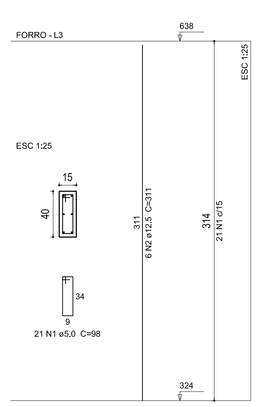

Relação do aço

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
25xP9	CA60	1	5,0	525	98	51450
	CA50	2	12,5	150	311	46650
P11	CA60	1	5,0	21	118	2478
	CA60	2	5,0	21	24	504
	CA50	3	12,5	6	311	1866
2xP16	CA60	1	5,0	42	118	4956
	CA50	2	12,5	8	311	2488
19xP17	CA60	1	5,0	399	78	31122
	CA50	2	12,5	76	311	23636
5xP19	CA60	1	5,0	105	148	15540
	CA60	2	5,0	105	24	2520
	CA50	3	12,5	30	311	9330
2xP26	CA60	1	5,0	42	98	4116
	CA50	2	16,0	12	311	3732
2xP34	CA60	1	5,0	42	69	2898
	CA50	2	12,5	12	311	3732
3xP35	CA60	1	5,0	63	68	4284
	CA50	2	12,5	12	311	3732
2xP36	CA60	1	5,0	42	78	3276
	CA50	2	12,5	12	311	3732
P43	CA60	1	5,0	18	128	2304
	CA60	2	5,0	18	29	522
	CA50	3	16,0	6	311	1866
5xP44	CA60	1	5,0	105	108	11340
	CA50	2	12,5	20	311	6220
P85	CA60	1	5,0	16	68	1224
	CA50	2	16,0	4	311	1244

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	12,5	1013,9	1074,4
	16,0	68,5	118,8
CA60	5,0	1385,4	234,9

PESO TOTAL	
CA50	1193,1
CA60	234,9

Vol. de concreto total (C-25) = 12,77 m³
Área de forma total = 228,19 m²

ENGENHARIA

RESPONSAVEL TÉCNICO: ENGENHEIRO CIVIL ATALIBA MACHADO ALMIRON - CREA 121.346 D
Rua Guilherme Gewehr, 31 - CEP 96820-000 - Santa Cruz do Sul/RS - fone: (51) 3982-4048 - e-mail: staliba@ideiaflo.com.br

OBRA
CONSÓRCIO INTERMUNICIPAL DE SERVIÇOS DO VALE DO RIO PARDO - CISVALE

PRESIDENTE DO CONSELHO DE ADMINISTRAÇÃO DO CISVALE
PREFEITO TELMO KIRST

RESPONSAVEL PROJETO
ATALIBA MACHADO ALMIRON
ENG.CIVIL - CREA 121.346 D

LOCAL	DATA	AREA
RUA ERNESTO ALVES, Nº 875 SANTA CRUZ DO SUL	OUTUBRO/2015	880,57 m²

DESIGNAÇÃO	ESCALA	PRANCHA
PILARES DO PAVIMENTO SUPERIOR	1/50	EST 11

CRIADO POR UM PRODUTO EDUCACIONAL DA AUTODESK