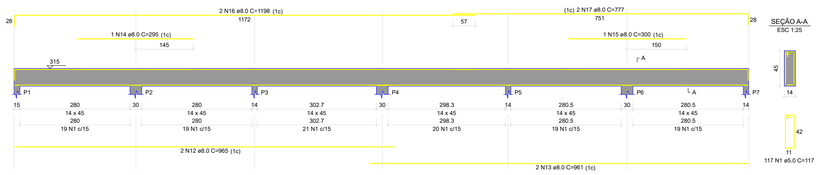
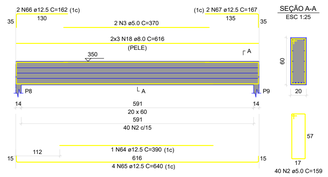
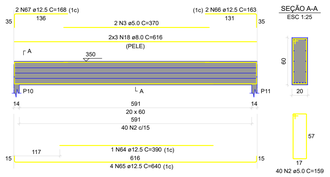
VS1 (14 x 45)
ESC 1:50



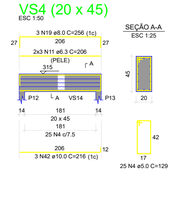
VS2 (20 x 60)
ESC 1:50



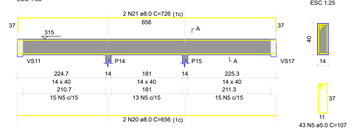
VS3 (20 x 60)
ESC 1:50



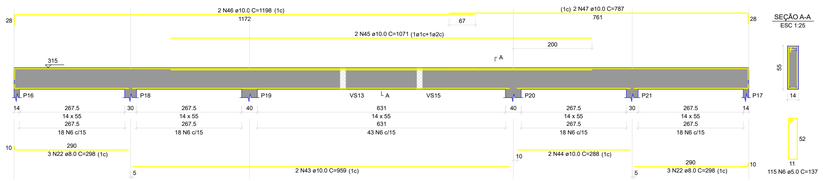
VS4 (20 x 45)
ESC 1:50



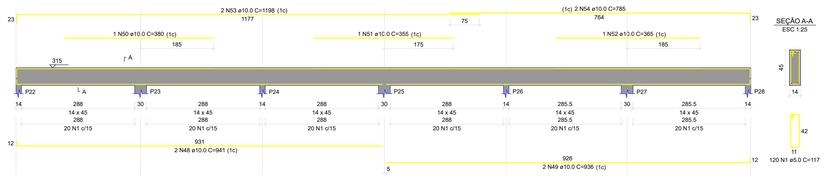
VS5 (14 x 40)
ESC 1:50



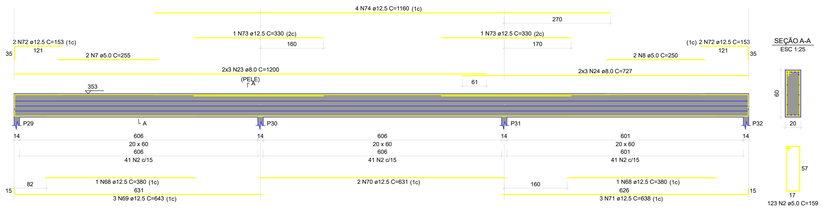
VS6 (14 x 55)
ESC 1:50



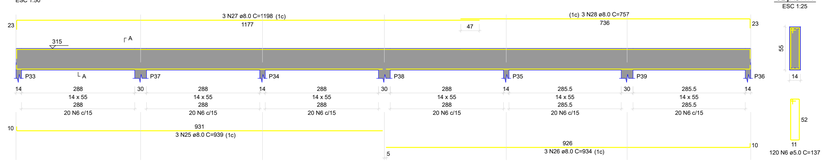
VS7 (14 x 45)
ESC 1:50



VS8 (20 x 60)
ESC 1:50



VS9 (14 x 55)
ESC 1:50



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT (m)	C.UNIT (m)	C.TOTAL (m)
CA50	1	5.0	308	110	33880
	2	6.3	1	110	110
	3	6.3	2	110	220
	4	6.3	4	110	440
	5	6.3	43	110	4730
	6	8.0	1	110	110
	7	8.0	2	110	220
	8	8.0	10	110	1100
	9	8.0	115	110	12650
	10	8.0	3	110	330
	11	8.0	13	110	1430
	12	8.0	5	110	550
	13	8.0	1	110	110
	14	8.0	2	110	220
	15	8.0	6	110	660
	16	8.0	2	110	220
	17	8.0	4	110	440
	18	8.0	7	110	770
	19	8.0	7	110	770
	20	8.0	2	110	220
	21	8.0	4	110	440
	22	8.0	13	110	1430
	23	8.0	6	110	660
	24	8.0	7	110	770
	25	8.0	2	110	220
	26	8.0	2	110	220
	27	8.0	2	110	220
	28	8.0	2	110	220
	29	8.0	2	110	220
	30	8.0	2	110	220
	31	8.0	2	110	220
	32	8.0	2	110	220
	33	8.0	2	110	220
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	40	8.0	2	110	220
	41	8.0	2	110	220
	42	8.0	2	110	220
	43	8.0	2	110	220
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	45	8.0	2	110	220
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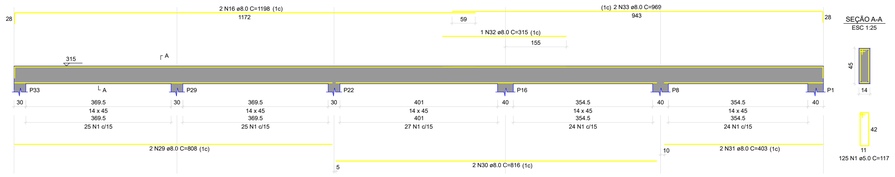
	63	8.0	2	110	220
	64	8.0	2	110	220
	65	8.0	2	110	220
	66	12.5	2	110	220
	67	12.5	2	110	220
	68	12.5	2	110	220
	69	12.5	2	110	220
	70	12.5	2	110	220
	71	12.5	2	110	220
	72	12.5	2	110	220
	73	12.5	2	110	220
	74	12.5	4	110	440
	75	12.5	4	110	440

RESUMO DO AÇO

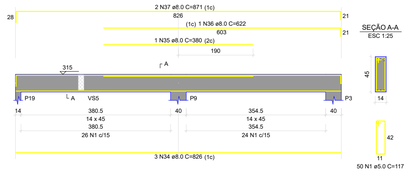
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT. + 10% (Barras)	REND. + 10% (kg)
CA50	5.0	33880	308	52.2
	6.3	792.0	85	30.7
	8.0	21450	1215	2014.4
	12.5	1980	18	297.0
CA60	5.0	16963.3	1	2.9
PESO TOTAL (kg)				
CA50	1977.2			
CA60	2.9			

Volume de concreto (C-25) = 16.23 m³
Área de forma = 230.29 m²

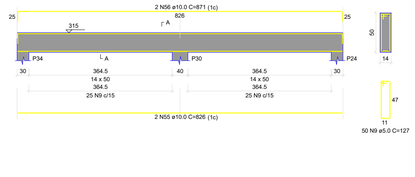
VS10 (14 x 45)
ESC 1:50



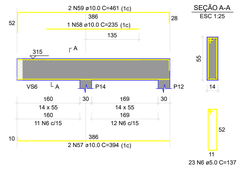
VS11 (14 x 45)
ESC 1:50



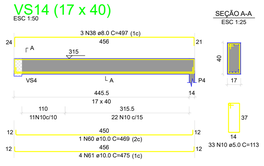
VS12 (14 x 50)
ESC 1:50



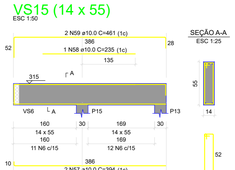
VS13 (14 x 55)
ESC 1:50



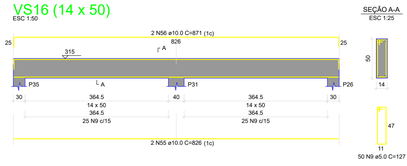
VS14 (17 x 40)
ESC 1:50



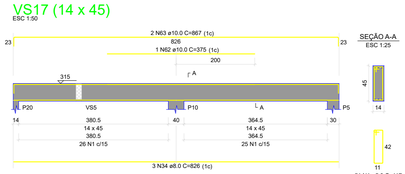
VS15 (14 x 55)
ESC 1:50



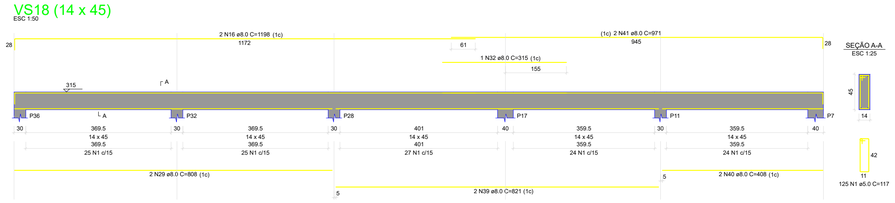
VS16 (14 x 50)
ESC 1:50



VS17 (14 x 45)
ESC 1:50



VS18 (14 x 45)
ESC 1:50



CARIMBOS:

PREFEITURA DE SORRISO
ESTADO DE MATO GROSSO

PROJETO:
Estruturas de Concreto Armado

DETALHES:
Vigas pav. Superestrutura

OBRA:
Ampliação da escola do distrito de Boa Esperança

LOCAL:
Distrito de Boa Esperança
Sorriso/MT

FOLHA:
07 /08

AUTOR DO PROJETO:
MARCELO DE OLIVEIRA CAMPOS
ENGENHEIRO CIVIL CREA - 120153087-3

VISTO:
EDNILSON DE LIMA OLIVEIRA
SECRETÁRIO DA CIDADE

OBS:

MUNICÍPIO DE SORRISO
CNPJ: 03.239.574/0001-42

DATA:
JUL. 2021

DESENHO:

A0