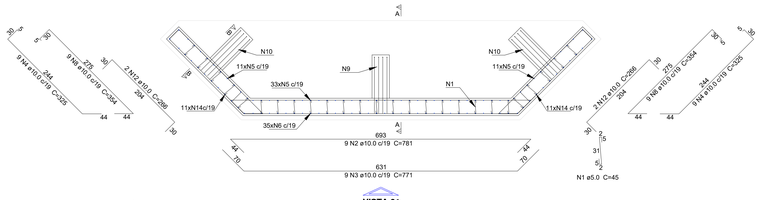
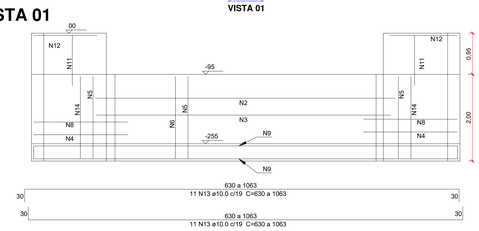
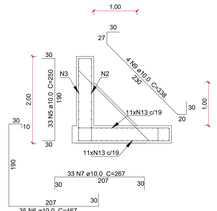
CABEÇEIRA 01 - LADO SENTIDO BR 116

ESC 1:50

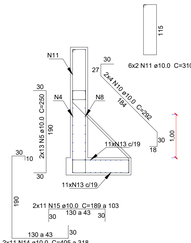


VISTA 01





SEÇÃO A-A
ESC 1:25



SEÇÃO B-B
ESC 1:25

Relação do aço

CABEÇEIRA

AÇO	N	DIAM	QUANT	UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	130	45	5850
CA50	2	10.0	9	781	7029
	3	10.0	9	771	6939
	4	10.0	18	325	5850
	5	10.0	55	250	13750
	6	10.0	35	467	16345
	7	10.0	33	267	8811
	8	10.0	18	354	6372
	9	10.0	4	338	1352
	10	10.0	8	292	2336
	11	10.0	12	310	3720
	12	10.0	4	266	1064
	13	10.0	22	620-1053	18403
	14	10.0	22	405-318	7953
	15	10.0	22	189-103	3212

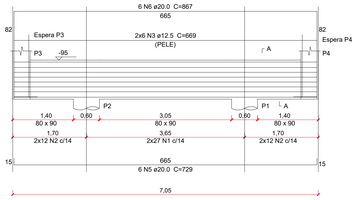
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA60	5.0	58.5	9.9
CA50	10.0	1031.4	700.0
PESO TOTAL			
CA60	9.9		
CA50	700.0		

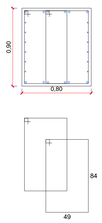
Vol. de concreto total (C-30) = 18.17 m³
Área de forma total = 66.8 m²
Observação: Resumo do aço para uma cabeceira

V1

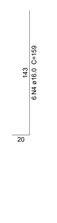
ESC 1:50



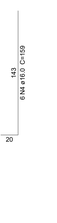
SEÇÃO A-A
ESC 1:25



ESPERA P4
ESC 1:25



ESPERA P3
ESC 1:25



Relação do aço

V1

AÇO	N	DIAM (mm)	QUANT	UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	54	278	15012
	2	8.0	48	278	13344
	3	12.5	12	669	8028
	4	16.0	12	159	1908
	5	20.0	6	729	4374
	6	20.0	6	867	5202

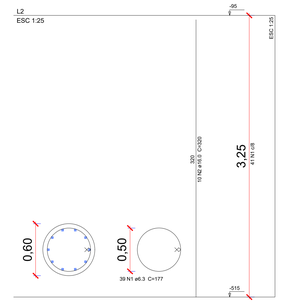
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	150.1	40.5
	8.0	133.4	58.0
	12.5	80.3	85.1
	16.0	19.1	33.1
	20.0	95.8	259.8
PESO TOTAL (kg)			
CA50	476.4		

Volume de concreto (C-30) = 5.33 m³
Área de forma = 19.77 m²

P1=P2

ESC 1:25



Relação do aço

2xP1

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	82	177	14514
	2	16.0	20	320	6400

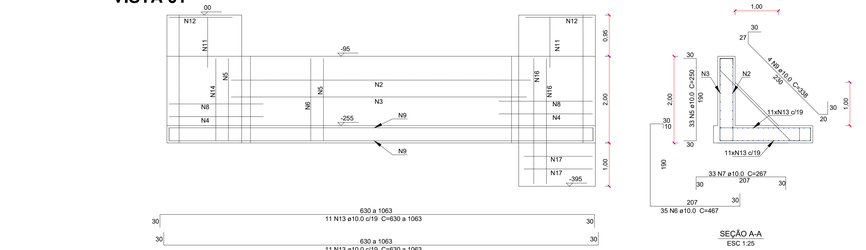
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	145.1	39.1
	16.0	64	111.1
PESO TOTAL (kg)			
CA50	150.2		

Volume de concreto (C-30) = 1.39 m³

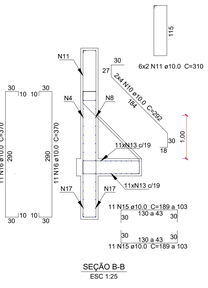
CABEÇEIRA 02 - LADO SENTIDO INTERIOR

ESC 1:50

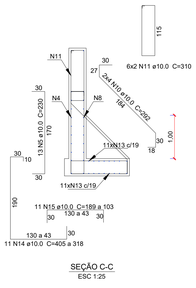


VISTA 01

SEÇÃO A-A
ESC 1:25



SEÇÃO B-B
ESC 1:25



SEÇÃO C-C
ESC 1:25

Relação do aço

CABEÇEIRA

AÇO	N	DIAM	QUANT	UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	140	45	6300
CA50	2	10.0	9	781	7029
	3	10.0	9	771	6939
	4	10.0	18	325	5850
	5	10.0	44	250	11000
	6	10.0	35	467	16345
	7	10.0	33	267	8811
	8	10.0	18	354	6372
	9	10.0	4	338	1352
	10	10.0	8	292	2336
	11	10.0	12	310	3720
	12	10.0	4	266	1064
	13	10.0	22	620-1053	18403
	14	10.0	11	405-318	3777
	15	10.0	33	189-103	4818
	16	10.0	11	370	4070
	17	10.0	10	296	2960

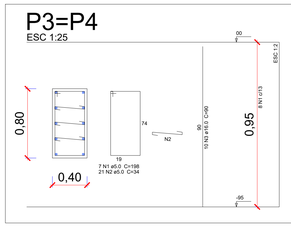
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA60	5.0	63.0	10.7
CA50	10.0	1050.5	712.9
PESO TOTAL			
CA60	10.7		
CA50	712.9		

Vol. de concreto total (C-30) = 19.11 m³
Área de forma total = 72.8 m²
Observação: Resumo do aço para uma cabeceira

P3=P4

ESC 1:25



Relação do aço

2xP3

AÇO	N	DIAM (mm)	QUANT	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	16	198	3168
	2	5.0	48	53	2544
CA50	3	16.0	20	95	1900

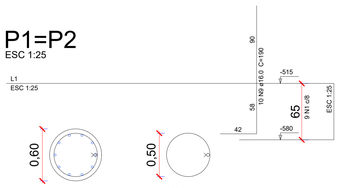
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	16.0	19.0	33.0
CA60	5.0	57.1	9.7
PESO TOTAL (kg)			
CA50	33.0		
CA60	9.7		

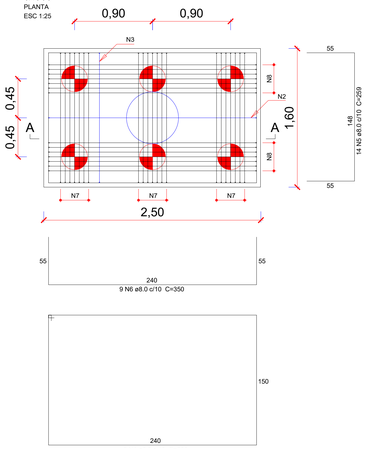
Volume de concreto (C-30) = 0.64 m³
Área de forma = 4.56 m²

P1=P2

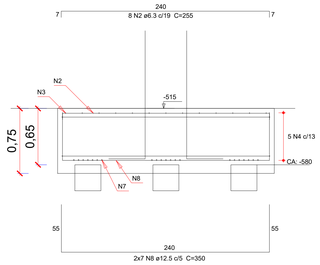
ESC 1:25



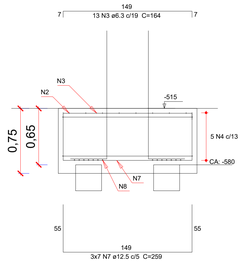
B1=B2
6xC30
PLANTA
ESC 1:25



CORTE AA
ESC 1:25



CORTE BB
ESC 1:25



Relação do aço

2xB1

AÇO	N	DIAM (mm)	QUANT	UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	18	165	2970
	2	6.3	16	255	4080
	3	6.3	26	164	4264
	4	6.3	10	800	8000
	5	8.0	28	259	7252
	6	8.0	18	350	6300
	7	12.5	42	259	10878
	8	12.5	28	350	9800
	9	16.0	20	190	3800

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	193.1	52.1
	8.0	135.5	58.9
	12.5	206.8	219
	16.0	38	66
PESO TOTAL (kg)			
CA50	359.9		

Volume de concreto (C-30) = 7.06 m³
Área de forma = 13,27 m²

engenharia@montecastelo.sc.gov.br

EMPREENDIMENTO
PONTE EM CONCRETO ARMADO

ENDEREÇO
ESTRADA GERAL DO PAIOL, LOCALIDADE DO PAIOL - MONTE CASTELO - SC

PROPRIETÁRIO
PREFEITURA MUNICIPAL DE MONTE CASTELO

PROJETO EXECUTIVO
ESTRUTURAL

AUTOR/ RESPONSÁVEL TÉCNICO
Engº JOEL WENG
CREA/SC: **165353-6**

ASSINATURA
JOEL WENG:05022742985 Assinado de forma digital por JOEL WENG:05022742985
Dados: 2026.04.17 11:46:14 -03'00'
Responsável Técnico

DISCRIMINAÇÃO
ARMADURAS DE CABEÇEIRAS, BLOCOS DE FUNDAÇÃO, VIGAS E PILARES DE APOIO CENTRAL, PILARES DE TRAVAMENTO

Nº DA PRANCHA
01 / 04

ESCALA	DATA	DESENHO
INDICADA	30/03/2026	JOEL WENG

A0