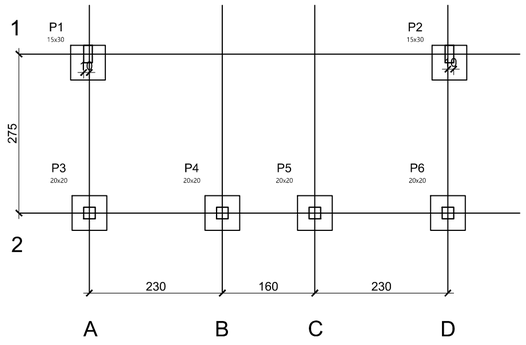
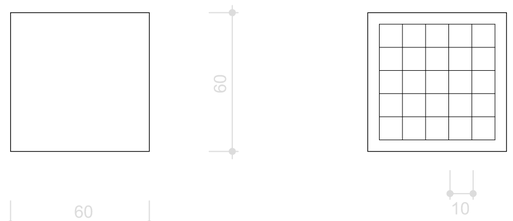
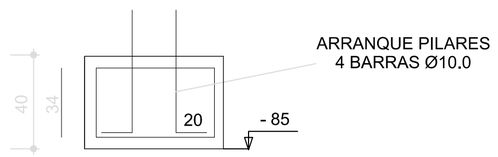




DETALHE SAPATAS

Planta





ARRANQUE PILARES
4 BARRAS Ø10.0

54

2 X 7 N1 Ø8.0 c/10 C=90

RESUMO DO AÇO SAPATAS

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	126.72	50.10

PESO TOTAL	
CA50	50.10

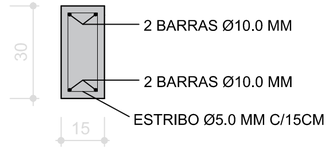
Vol. concreto (C-25) = 0.87 m³

Área de forma total = 5.76 m²

Vol. escavação = 4.60 m³

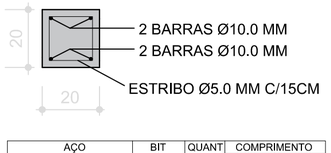
P1 - P2

☐ PILARES 15 X 30CM



P3 - P4 - P5 - P6

☐ PILARES 20 X 20CM

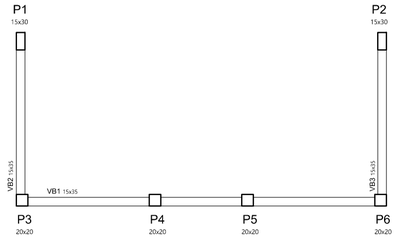


AÇO		BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
Pilar 15X30 (2 unidades)					
	50A	10	4	300	2.400,00
	60B	5,0	40	71	2840,00
Pilar 20X20 (4 unidades)					
	50A	10	4	300	4.800,00
	60B	5,0	80	61	4.880,00

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	77,20	11,88
50A	10	72,00	44,42
Peso Total	60B =		11,88 kg
Peso Total	50A =		44,42 kg

Forma: 14,20m2

Concreto: 0,82m3



AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
Viga Baldrame (12,40 metros)					
50A	1	8	4	VAR	4.960,00
60B	2	5	62	91	5.642,00

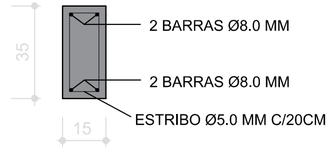
RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	49,60	7,65
50A	8	56,42	22,30
Peso Total	60B =		7,65kg
Peso Total	50A =		22,30 kg

Forma: 8,68m2

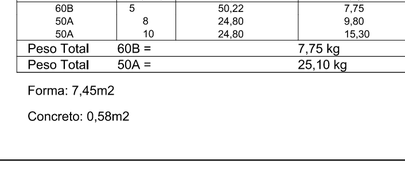
Concreto: 0,68m3

DETALHE VIGAS BALDRAME

VIGAS 15 X 35CM

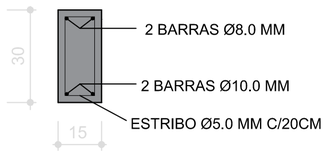


Vigas Baldrame	
Nome	Seção (cm)
VB1	15x35
VB2	15x35
VB3	15x35



DETALHE VIGAS SUPERIORES

VIGAS 15 X 35CM



Vigas Superiores	
Nome	Seção (cm)
V1	15x30
V2	15x30
V3	15x30

AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
Viga (12,40 metros)					
50A	1	8	2	VAR	2.480,00
50A	2	10	2	VAR	2.480,00
60B	3	5	62	81	5.022,00

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	50,22	7,75
50A	8	24,80	9,80
50A	10	24,80	15,30
Peso Total	60B =		7,75 kg
Peso Total	50A =		25,10 kg

Forma: 7,45m2

Concreto: 0,58m2

BAJA

ARQUITETURA | ENGENHARIAS | CONULTORIA

Rua Venâncio Aires, 641 – sls 105/106 – Centro – Santa Cruz do Sul/RS

BATTISTI E JANDREY LTDA ME – CNPJ 29.037.951/0001-17

Obra: REFORMA E AMPLIAÇÃO DA ESF ANITA GARIBALDI Alto Trombudo - Interior - Vale do Sol/RS		Escala: 1/75	Data: JUN/ 2022
Projeto: RERFORMA E AMPLIAÇÃO	Discriminação: PLANTA ESTRUTURAL AMPLIAÇÃO	Area: 215,10m²	
Resp. Técnico: BATTISTI E JANDREY LTDA - CNPJ 29.037.951/0001-17 IVANCA JANDREY BETTI - ARQUITETA E URBANISTA - CAURS A95.534-5	Proprietário: PREFEITURA MUNICIPAL DE VALE DO SOL CNPJ 94.577.574/0001-70	Prancha: EST01	