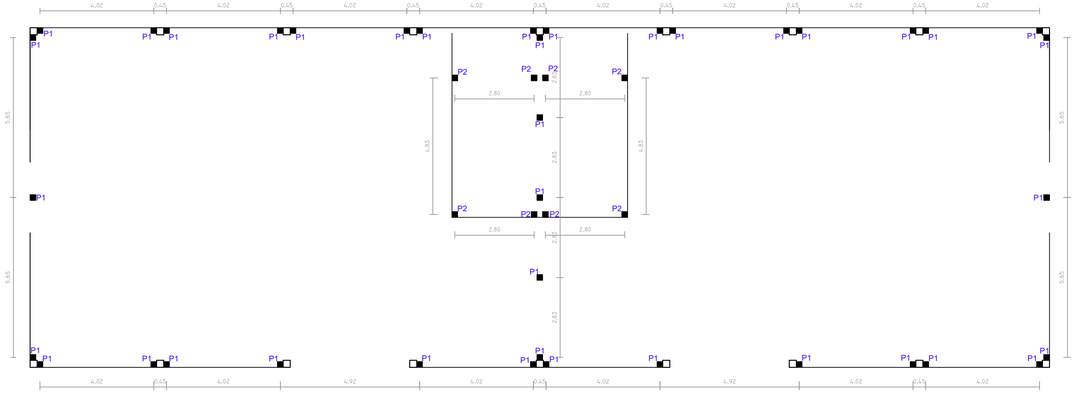
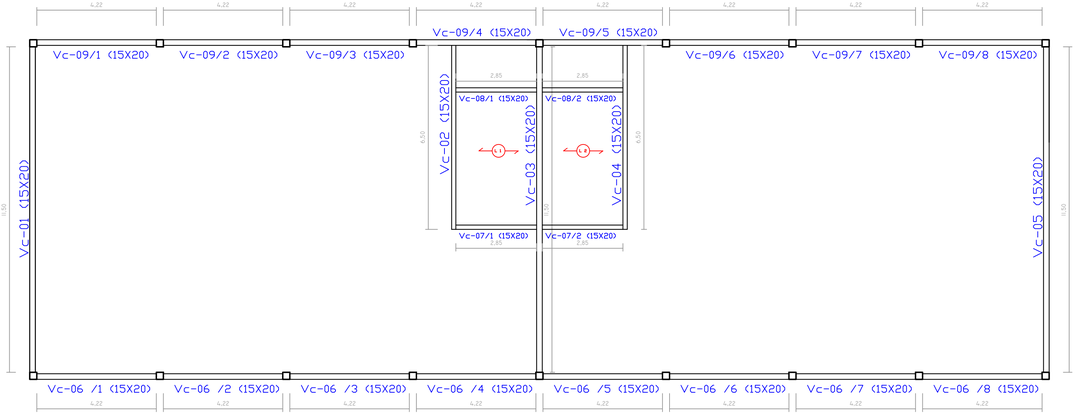


Pilares

Escala 1:100

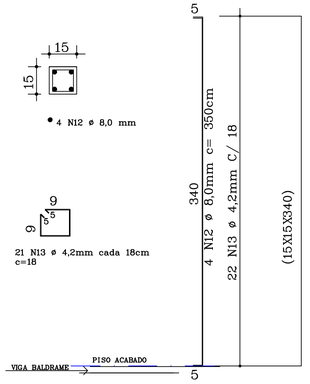


Vigas Cinta

Escala 1:100

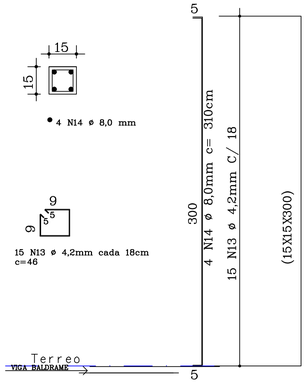
PILARES (15 X 15 X 340) 55x

P1



PILARES (15 X 15 X 310) 8x

P2

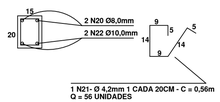


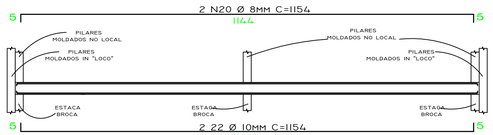
VIGAS CINTA (3X)

Vc-01, Vc-03 e Vc-05 (15 x 20 x 1150 cm)

SEM ESCALA

CONCRETO - 20MPa



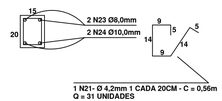


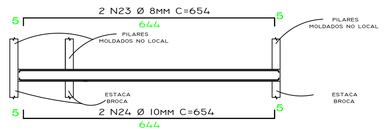
VIGAS CINTA (2X)

Vc-2 e Vc-04 (15 x 20 x 650 cm)

SEM ESCALA

CONCRETO - 20MPa



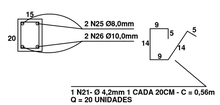


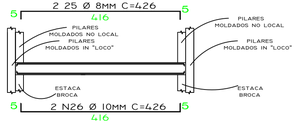
VIGAS CINTA (16X)

VCs-06 e as VCs-09 (15 x 20 x 422 cm)

SEM ESCALA

CONCRETO - 20MPa



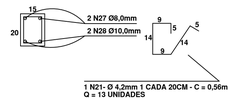


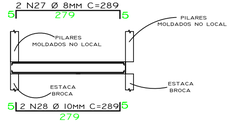
VIGAS CINTA (4X)

VCs-07 e VCs-08 (15 x 20 x 285 cm)

SEM ESCALA

CONCRETO - 20MPa





INFRAESTRURURA 1 BARRACÃO INDUSTRIAL 432 M2 02/02

TABELA DE ARMADURA

POSIÇÃO	AÇO	Ø (mm)	COMPR.(m)	QUANT.	TOTAL (m)	kg/m	TOTAL (kg)
N12	CA-50 A	8,0	3,50	220	770,00	0,395	304,15
N13	CA-60 B	4,2	0,46	1110	510,60	0,109	55,66
N14	CA-50 A	8,0	3,10	32	99,20	0,395	39,18
N15	CA-50 A	8,0	11,54	6	69,24	0,395	27,35
N16	CA-50 A	10,0	11,64	6	69,84	0,617	43,09
N17	CA-60 B	4,2	0,76	602	457,52	0,109	49,87
N18	CA-50 A	8,0	6,54	4	26,16	0,395	10,33
N19	CA-50 A	10,0	6,54	4	26,16	0,617	16,14
N20	CA-50 A	8,0	4,26	32	136,32	0,395	53,85
N21	CA-50 A	10,0	4,26	32	136,32	0,617	84,11
N22	CA-50 A	8,0	2,89	8	23,12	0,395	9,13
N23	CA-50 A	10,0	2,89	8	23,12	0,617	14,27

RESUMO DO AÇO

AÇO	Ø (mm)	COMPR.(m)	kg/m	PESO (KG)
CA-60 B	4,2	968,12	0,109	105,53
CA-50 A	6,3		0,245	-
CA-50 A	8,0	1.124,04	0,395	444,00
CA-50 A	10,0	255,44	0,617	157,61
PESO TOTAL CA-60 B				**105,53**
PESO TOTAL CA-50 A				**601,61**

MATERIAIS

	FCK (Mpa)	UNID	QUANT	TOTAL
CONCRETO P/ BLOCOS, VIGAS E PILARES	20	m^3	8,54	
CONCRETO P/ CAPA DE LAJE - E = 4,0 cm	20	m^3		**8,54**
FORMAS P/ FUNDAÇÕES		m^2		
FORMAS P/ ESTRUTURA		m^2	113,87	**113,87**

PROJETO ESTRUTURAL

FOLHA: 02/02

OBRA: Barracões Geminados

END.: PR 090 Km 202 + 700 m - Área Industrial - Ventania - PR

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE VENTANIA PR

ESCALA: INDICADA

DATA: OUTUBRO / 2019

DESENHO: JPS

RESP. TÉCNICO
Eng. CIVIL EDO JOSE STIMAMIGLIO
CREA PR-143158/D

ANTÔNIO HELLY SANTIAGO
PREFEITO MUNICIPAL