PLOTAGEM

PENA	COR	ESP
1	7	0.10
2	7	0.20
3	7	0.30
4	7	0.40
5	7	0.50
6	7	0.60
7	7	0.80
8	7	1.00
9	7	1.20
10	1	0.20
11	11	0.20
21	1	0.10
30	30	0.30
34	34	0.30
40	1	0.10
50	50	0.30
80	80	0.30
130	130	0.30
140	140	0.30
150	150	0.30
160	5	0.10
220	220	0.40
240	1	0.20
250	7	0.10
252	252	0.20
255	255	0.20

DEMAIS PENAS COM AUTOMÁTICO/ESPESSURA 0.1

MODO PAPER SPACE

COR = COLOR QUALITY

FORMATO A1

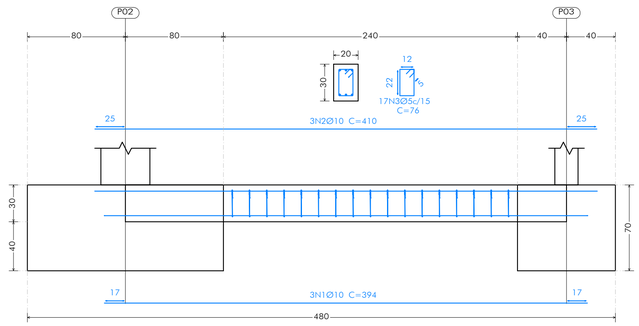
ESCALA 1:1

DETALHAMENTO VIGAS DE FUNDAÇÃO

NÍVEL -0,50M

01 VB1 (P02-P03)

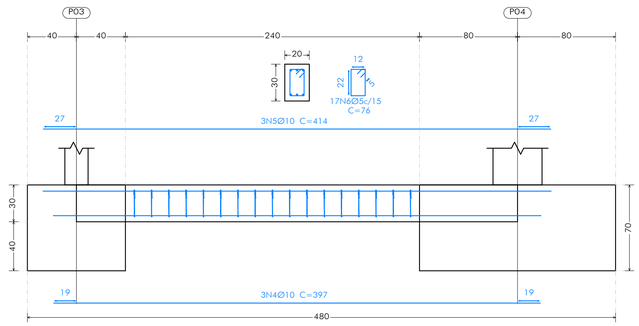
ESCALA 1:25



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V1 [P02 - P03]	1	Ø10	3		394		394	1182	7.3	
	2	Ø10	3		410		410	1230	7.6	
	3	Ø5	17		76		76	1292		2.0
								Total+10%:	16.4	2.2

01 VB1 (P03-P04)

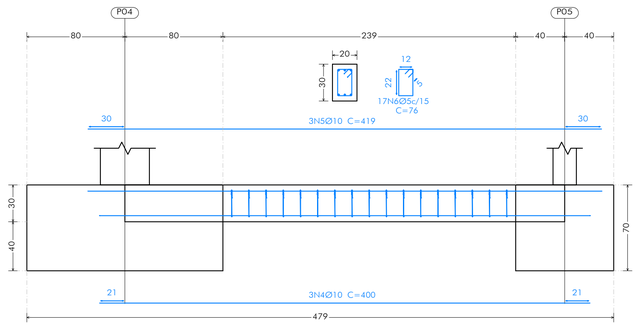
ESCALA 1:25



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V1 [P03 - P04]	4	Ø10	3		397		397	1191	7.3	
	5	Ø10	3		414		414	1242	7.7	
	6	Ø5	17		76		76	1292		2.0
								Total+10%:	16.5	2.2

01 VB1 (P04-P05)

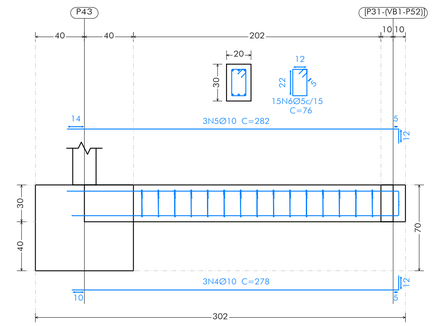
ESCALA 1:25



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V1 [P04 - P05]	4	Ø10	3		400		400	1200	7.4	
	5	Ø10	3		419		419	1257	7.7	
	6	Ø5	17		76		76	1292		2.0
								Total+10%:	16.6	2.2

01 VB1 {P43-[P31-(VB1-P52)]}

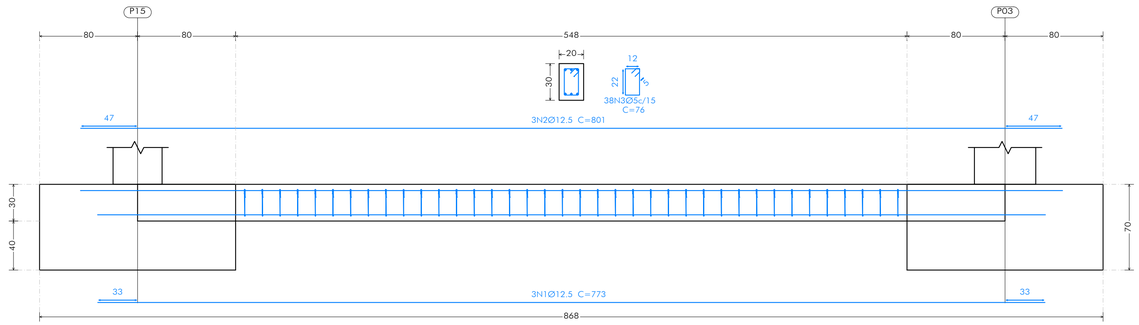
ESCALA 1:25



Elemento	Pos.	Diam.	Q.	Dob.	Reta	Dob.	Comp.	Total	CA-50	CA-60
V1 {P43-[P31-(VB1-P52)]}	4	Ø10	3		266	12	278	834	5.1	
	5	Ø10	3		270	12	282	846	5.2	
	6	Ø5	15		76		76	1140		1.8
								Total+10%:	11.3	2.0

01 VB2 (P15-P03)

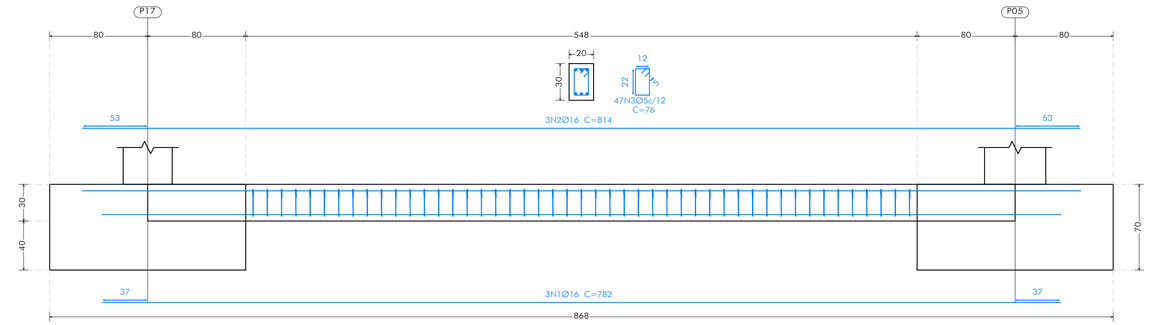
ESCALA 1:25



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V2 [P15 - P03]	1	Ø12.5	3		773		773	2319	22.3	
	2	Ø12.5	3		801		801	2403	23.1	
	3	Ø5	38		76		76	2888		4.5
								Total+10%:	49.9	5.0

01 VB6 (P17-P05)

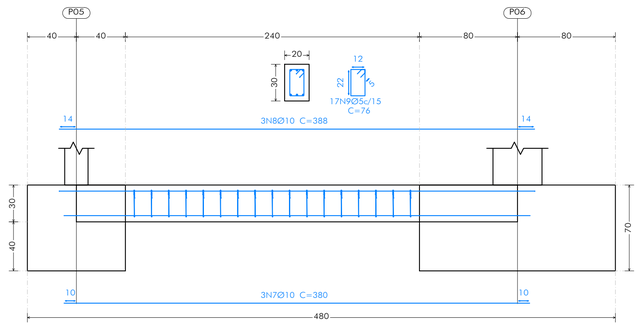
ESCALA 1:25



Elemento	Pos.	Diam.	Q	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V6 [P17 - P05]	1	Ø16	3		782		782	2346	37.0	
	2	Ø16	3		814		814	2442	38.6	
	3	Ø5	47		76		76	3572		5.6
								Total+10%:	83.2	6.2

01 VB1 (P05-P06)

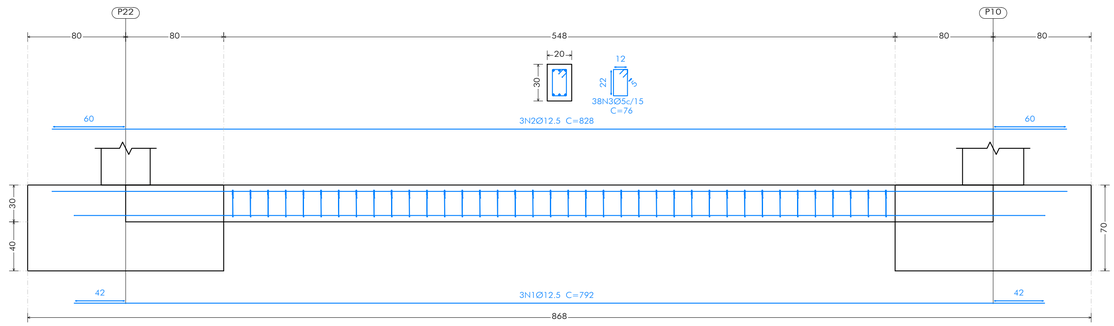
ESCALA 1:25



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V1 [P05 - P06]	7	Ø10	3		380		380	1140	7.0	
	8	Ø10	3		388		388	1164	7.2	
	9	Ø5	17		76		76	1292		2.0
								Total+10%:	15.6	2.2

01 VB2 (P22-P10)

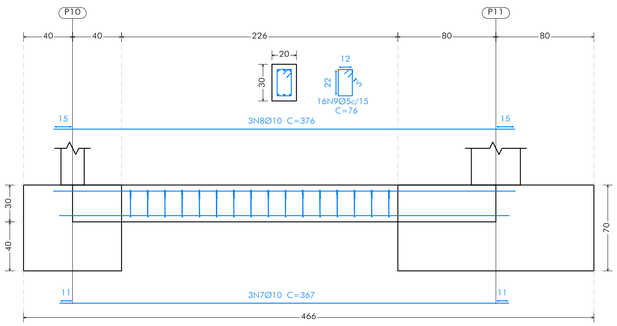
ESCALA 1:25



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V2 [P22 - P10]	1	Ø12.5	3		792		792	2376	22.9	
	2	Ø12.5	3		828		828	2484	23.9	
	3	Ø5	38		76		76	2888		4.5
								Total+10%:	51.5	5.0

01 VB1 (P10-P11)

ESCALA 1:25



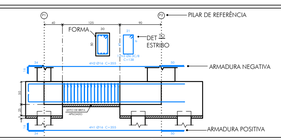
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V1 [P10 - P11]	7	Ø10	3		367		367	1101	6.8	
	8	Ø10	3		376		376	1128	7.0	
	9	Ø5	16		76		76	1216		1.9
								Total+10%:	15.2	2.1

ESTE DESENHO É DE PROPRIEDADE DA "ICTHUS ENGENHARIA - CREA MG P.J. 51.236", NÃO PODENDO SER COPIADO PARCIAL OU TOTALMENTE, NEM CEDIDO A TERCEIROS, SEM A PRÉVIA E DEVIDA AUTORIZAÇÃO.

QUADRO REVISÕES:

REVISÃO	REFERÊNCIA	DESCRIÇÃO	DATA	APROVAÇÃO

LEGENDA:



OBSERVAÇÕES:

1- VIDE QUANTITATIVO DE CONSUMO DAS VIGAS BALDRAME NA FOLHA 06/52;

2- ABAIXO DE TODAS AS VIGAS BALDRAMES E BLOCOS DE CONCRETO ARMADO DEVE-SE COLOCAR LASTRO DE BRITA COM ESPESSURA DE 5cm.

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VISTO R.T.: CARLOS HENRIQUE AMARAL ROSSI:47143207691
CREA: 46.052/D
CREA PJ: 51.236/MG
DES: BMS/NSP
DESENHO Nº: CGH-F/PCE/00-16

OBRA: ESCOLA MUNICIPAL CANARINHO

CLIENTE: Prefeitura Municipal de Congonhal

TÍTULO: PROJETO ESTRUTURAL
INFRAESTRUTURA
DETALHAMENTO VIGAS BALDRAMES
NÍVEL -0,50M

FOLHA: 16/52

ESCALA: 1:25

UNIDADE: centímetro

REVISÃO Nº: emissão

DATA: set.2022

REVISOR: CRossi

PROJETO: CGH-F/PCE/00.dwg