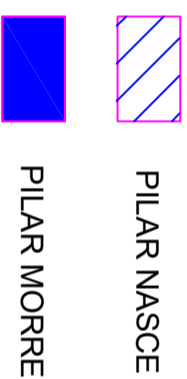
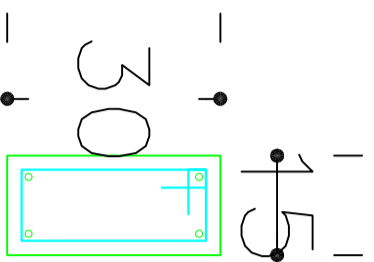


P1=P2=P3=P4=P5=
P6=P7=P8=P9=P10=
P11=P12=P13=P14=P15

VIGA DE COBERTURA

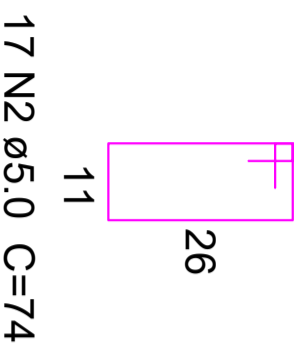
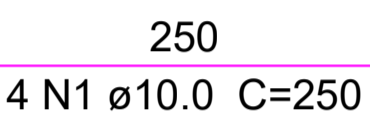


AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA50	1	10.0	60	250	15.000
CA60	2	5.0	255	74	18.870

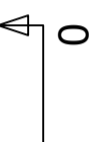
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	150	93.00
CA60	5.0	188.70	29.06
PESO TOTAL (kg)			122.06
CA50	93.00		
CA60	29.06		

Vol. de concreto total (C-20) = 1.70 m³
Área de forma total = 33.75 m²



VIGA BALDRAME



PROPRIETÁRIO:	LOCAL:
PREFEITURA MUNICIPAL DE PATO BRANCO	PATO BRANCO
OBRA:	DATA:
AMPLIAÇÃO SALAS DE AULA – OLAVO BILAC	MAIO / 2021
ESPECIFICAÇÕES:	DESENHO:
PROJETO ESTRUTURAL – FERRAGEM PILARES	MATHEUS
PRANCHAS:	
PROPRIETÁRIO	
MATHEUS GONÇALVES FARIAS	
ENGENHEIRO CIVIL CREA PR 177098/D	
	04/06