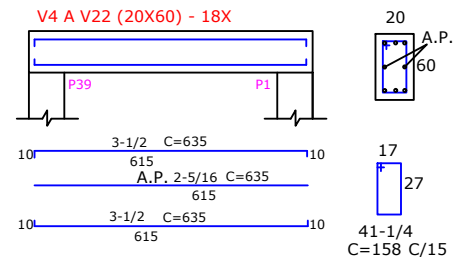
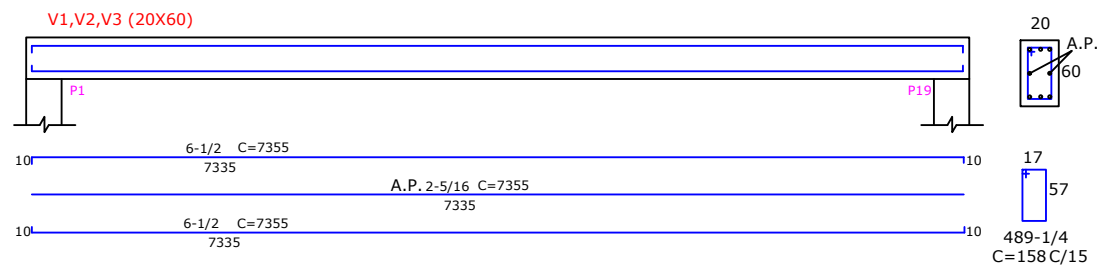


## DETALHE VIGA TÉRREO NÍVEL +0,00

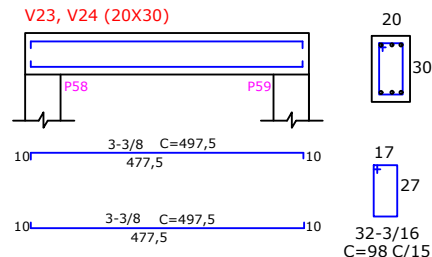


### Resumo Ferro Vigas Baldrame Nível +0,00 m

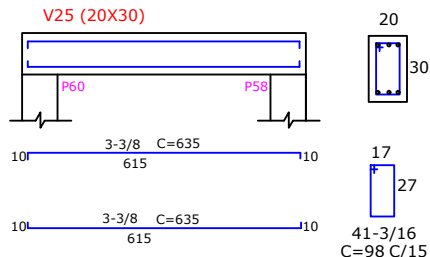
Ferro	Quant.	Comp.	Comp.	Barra	Peso
		Unit.	Total +10%	Un.	KG
1/4	2.205	1,58	3.833	320	618
5/16			736	62	1.229
1/2			2.211	185	2.676

Vol. Concreto: 41,00 m<sup>3</sup>  
Área de forma: 407,00 m<sup>2</sup>  
fck = 25 mpa

## V23, V24 (20X30)

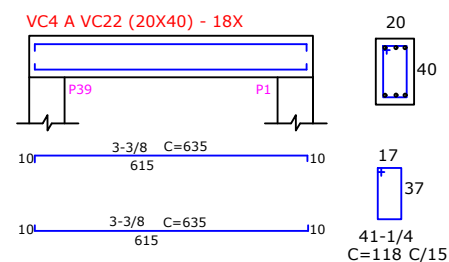
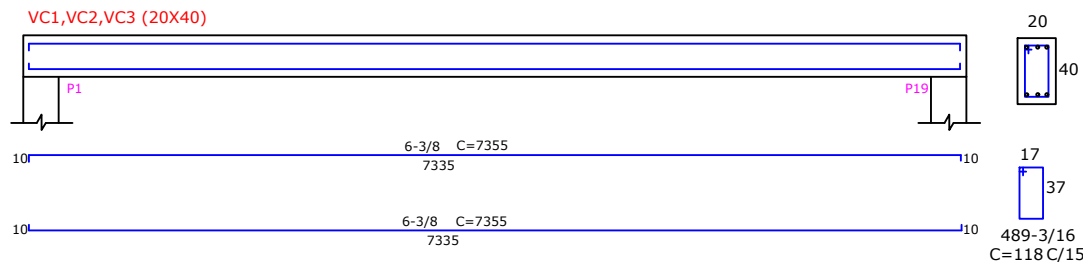


## V25 (20X30)

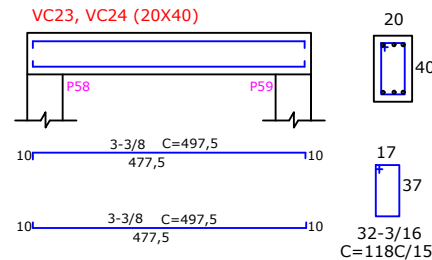


## DETALHE VIGAS COBERTURA NÍVEL +3,00

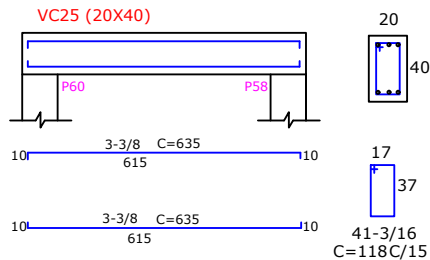
### VC1,VC2,VC3 (20X40)



### VC23, VC24 (20X40)



### VC25 (20X40)



### Resumo Ferro Vigas Cobertura Nível +3,00 m

Ferro	Quant.	Comp.	Comp.	Barra	Peso
		Unit.	Total +10%	Un.	KG
3/16	2.310	1,18	2.999	250	250
3/8			2.319	194	1.306

Vol. Concreto: 28,00 m<sup>3</sup>  
Área de forma: 278,00 m<sup>2</sup>  
fck = 25 mpa

 <p><b>Francini</b> Engenharia</p>	PROFESSOR	RESPONSÁVEL TÉCNICO PROPOSTO DE CÁLCULO
	PREFEITURA MUNICIPAL DE MARIA DA FÉ - MG	FRANCINI SALES SILVA BATISTA ENGENHEIRO CIVIL - CREA 36.5410
RUA CEL. SILVESTRE FERRAZ, Nº 55 - BAIRRO CENTRO C.E.P. 37.517-000 - MARIA DA FÉ / MG. T.E.L. (35) 99139 9933		
TÍTULO: (CÁLCULO ESTRUTURAL PARA EDIFICAÇÃO RESIDENCIAL)	DATA: 10/01/2022	
OBJETO: REFORMA E AMPLIAÇÃO ESCOLA MUNICIPAL PADRE PIVATO	Nº PROJ: 02/2022	
LOCAL: Rua Dona Beatriz Brandão - Vila de Lourdes - Maria da Fé/MG	FOLHA: 04/04	
DETALHE VIGAS NÍVEL +0,00 E VIGAS COBERTURA		