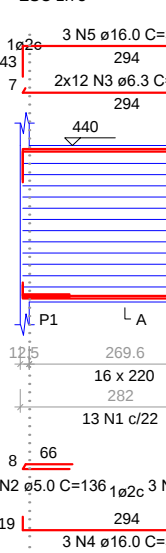
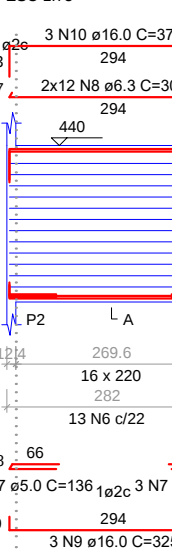


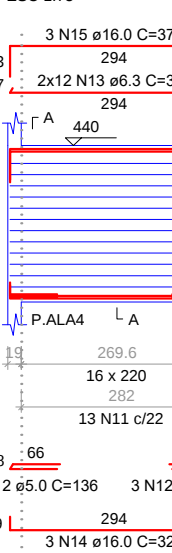
VI.AL.A1



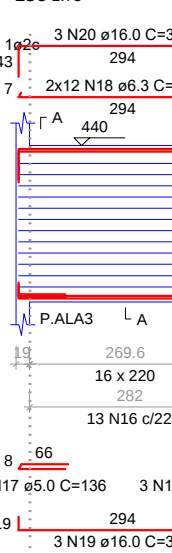
VI.AL.A1A



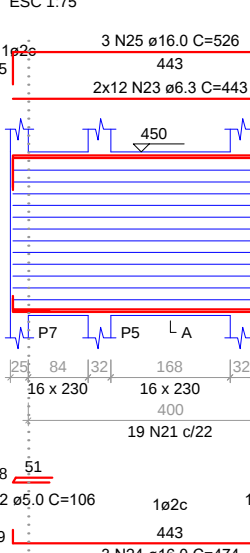
VI.AL.A2A



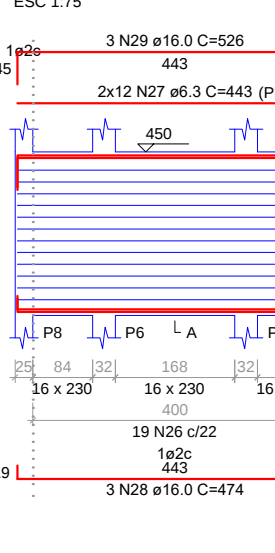
VI.AL.A.2



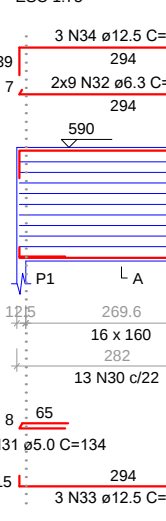
VI.CORTINA1



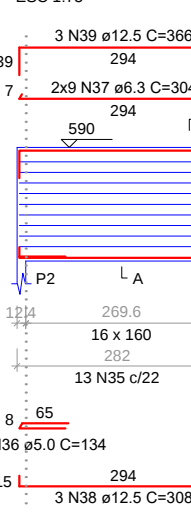
VI.CORTINA1A



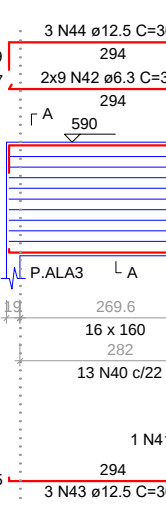
VS.AL.A1



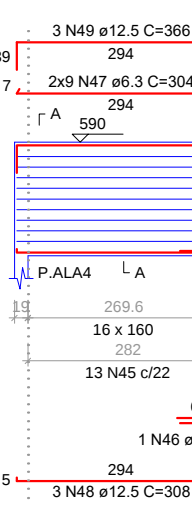
VS.AL.A1A



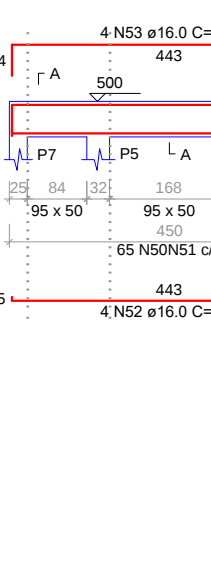
VS.AL.A2



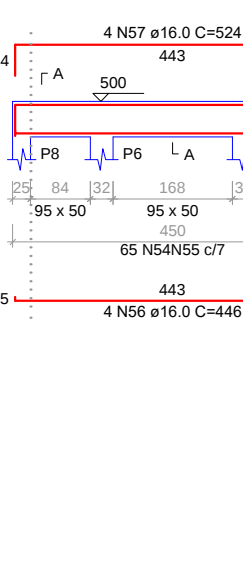
VS.AL.A2A



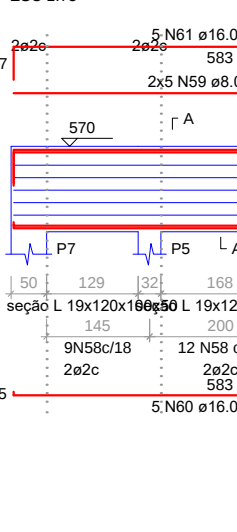
VS.APOIO1



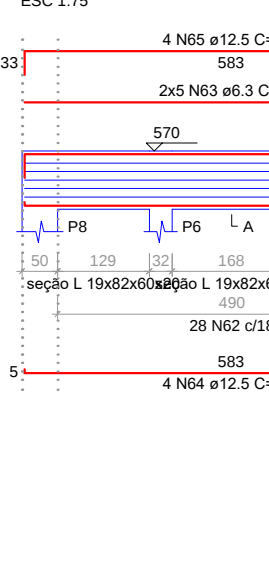
VS.APOIO1A



VSL.APOIO1



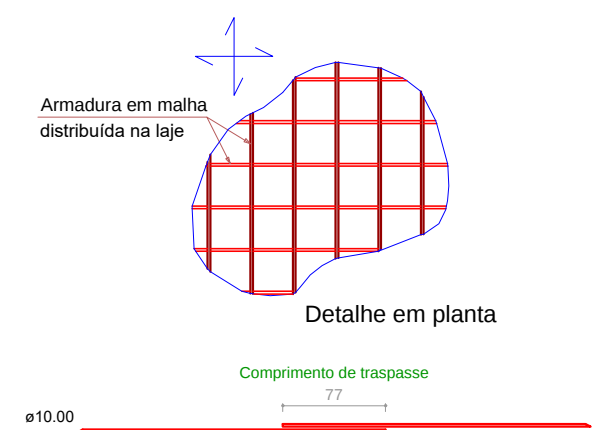
VSL.APOIO1A



RELAÇÃO DO AÇO (MGA - PV SUP)						
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	CUMT (cm)	C-TOTAL (cm)
VIALA1	CA50	2	5.0	13	455	5915
	CA50	2	5.0	6	136	816
	CA50	4	16.0	24	334	7296
	CA50	4	16.0	3	325	975
VIALA1A	CA50	4	16.0	3	373	1119
	CA50	6	5.0	13	455	5915
	CA50	8	6.3	24	304	7296
	CA50	8	6.3	3	295	875
VIALA2A	CA50	10	16.0	3	373	1119
	CA50	12	5.0	16	136	816
	CA50	12	5.0	3	325	975
	CA50	14	16.0	3	373	1119
VIALA.2	CA50	17	5.0	6	136	816
	CA50	16	5.0	13	455	5915
	CA50	18	6.3	24	304	7296
	CA50	19	16.0	3	325	975
VI.CORTINA1	CA50	20	16.0	3	373	1119
	CA50	21	5.0	19	475	9025
	CA50	22	5.0	2	106	212
	CA50	23	6.3	24	443	10030
VI.CORTINA1A	CA50	24	16.0	3	474	1422
	CA50	25	16.0	3	526	1579
	CA50	26	5.0	19	475	9025
	CA50	27	6.3	24	443	10030
VS.AL.A1	CA50	28	16.0	3	474	1422
	CA50	29	12.5	3	335	134
	CA50	30	5.0	13	335	4355
	CA50	31	5.0	1	134	134
VS.AL.A1A	CA50	32	6.3	18	304	5472
	CA50	33	12.5	3	335	924
	CA50	34	12.5	3	366	1098
	CA50	36	5.0	1	134	134
VS.AL.A2	CA50	37	6.3	18	304	5472
	CA50	38	12.5	3	335	924
	CA50	39	12.5	3	366	1098
	CA50	40	5.0	13	335	4355
VS.AL.A2A	CA50	41	5.0	1	134	134
	CA50	42	6.3	18	304	5472
	CA50	43	12.5	3	335	924
	CA50	44	12.5	3	366	1098
VS.APOIO1	CA50	45	5.0	1	134	134
	CA50	47	6.3	18	304	5472
	CA50	48	12.5	3	335	924
	CA50	49	12.5	3	366	1098
VS.APOIO1A	CA50	50	5.0	65	273	17745
	CA50	51	5.0	65	148	10920
	CA50	52	16.0	4	446	1784
	CA50	53	16.0	4	524	2096
VSL.APOIO1	CA50	54	5.0	65	273	17745
	CA50	55	5.0	65	148	10920
	CA50	56	16.0	4	446	1784
	CA50	57	16.0	4	524	2096
VSL.APOIO1A	CA50	58	5.0	30	261	7630
	CA50	59	8.0	10	653	5820
	CA50	60	16.0	5	586	2930
	CA50	61	16.0	5	670	3350
	CA50	62	5.0	28	185	5180
	CA50	63	6.3	10	263	5830
	CA50	64	12.5	4	587	2348
	CA50	65	12.5	4	643	2572
RESUMO DO AÇO (Vigas-PV SUP)						
AÇO	DIAM (mm)	C-TOTAL (m)	PESO + 0% (kg)			
CA50	6.3	781.7	191.3			
CA50	8.0	56.3	23			
CA50	12.5	130.1	125.3			
CA50	16.0	284.2	448.5			
CA50	5.0	1334.8	205.7			
PESO TOTAL (kg)						
CA50	788.1					
CA50	295.7					
				Volume de concreto (C-30) = 17.17 m³		
				Área de forma = 175.46 m²		

Armação inferior do radier do pavimento SUPERIOR (Eixo X)

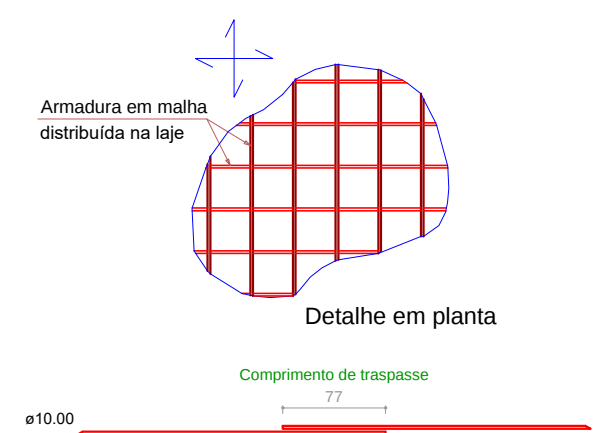
DETALHE DA ARMADURA DE MALHA BASE



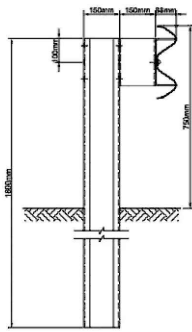
RELAÇÃO DO AÇO (LAJE- PV SUP)						
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	CUMT (cm)	C-TOTAL (cm)
Negativo X	CA50	1	10.0	30	68040	68040
Negativo Y	CA50	2	10.0	150	442	66300
Positivo X	CA50	3	10.0	30	68040	68040
Positivo Y	CA50	4	10.0	150	442	66300
RESUMO DO AÇO						
AÇO	DIAM (mm)	C-TOTAL (m)	PESO + 0% (kg)			
CA50	10.0	2686.8	1656.5			
PESO TOTAL (kg)						
CA50	1656.5					
				Volume de concreto (C-30) = 20.20 m³		
				Área de forma = 9.16 m²		

Armação superior do radier do pavimento SUPERIOR (Eixo X)

DETALHE DA ARMADURA DE MALHA BASE

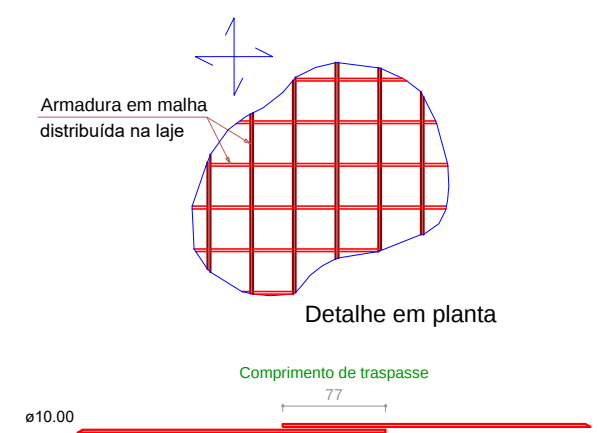


DETALHE DE BARREIRA LATERAL METALICA (3mm):



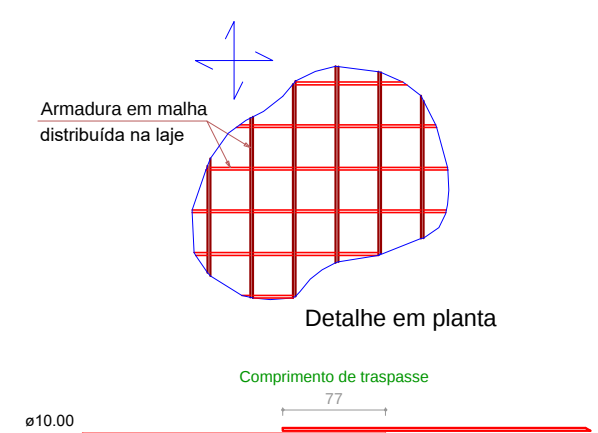
Armação superior do radier do pavimento SUPERIOR (Eixo Y)

DETALHE DA ARMADURA DE MALHA BASE



Armação inferior do radier do pavimento SUPERIOR (Eixo Y)

DETALHE DA ARMADURA DE MALHA BASE



- Cargas (Tren tipo 45T):
- *Acidental Distribuída Concreto: $q = p \cdot CIV \cdot CNF \cdot CIA = 500 \cdot 1.34 \cdot 1.05 \cdot 1.25 = 880 \text{ Kg/m}^2$
- *Acidental Concentrada Concreto: $Q = P \cdot CIV \cdot CNF \cdot CIA = 7500 \cdot 1.34 \cdot 1.05 \cdot 1.25 = 13200 \text{ Kg}$
- *A manutenção e terraplenagem serão por conta do Contratante.
- *Garantia da estrutura: 50 anos, garantia da pintura: 90 dias.
- *Deixar furos D:5cm, p/ escoamento de águas pluviais e drenagem.
- *Hidrologia: conforme orientação e responsabilidade do Contratante.

TIPO DE OBRA	PONTE MISTA DE CONCRETO E AÇO DE 24 METROS		
PROPRIETÁRIO	PREFEITURA MUNICIPAL DE FIGUEIROPOLIS D' OESTE - MT		
LOCAL	CORREGIO BRIGADERMINIA- AREA RURAL (COMUNIDADE SANTAHERMINIA)		
RESPONSÁVEIS TÉCNICOS	ASSUNTO	PLANTA BAIXA E CORTE	
ROBERTO MOREIRA CREA : MT 035490	ESCALA	INDICADA	DATA : MARÇO