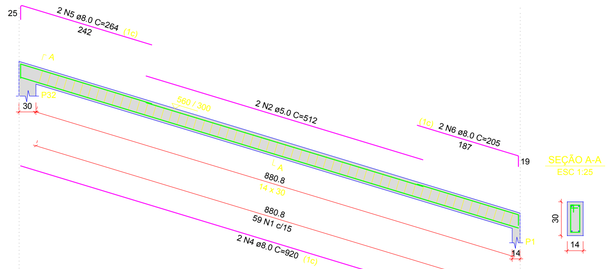
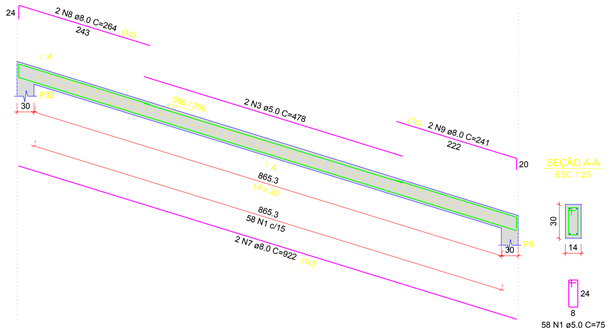
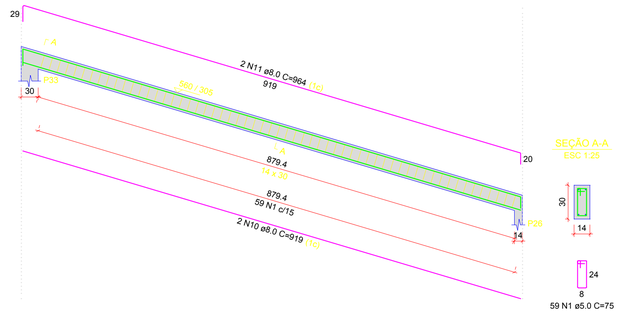
VR1
ESC 1:50



VR2
ESC 1:50



VR3
ESC 1:50



RELAÇÃO DO AÇO

VR1
VR4

VR2

VR3

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	235	75	17625
	2	5.0	2	512	1024
	3	5.0	2	478	956
CA50	4	8.0	2	920	1840
	5	8.0	2	264	528
	6	8.0	2	205	410
	7	8.0	2	922	1844
	8	8.0	2	264	528
	9	8.0	2	241	482
	10	8.0	4	919	3676
	11	8.0	2	964	1928
	12	8.0	2	964	1928

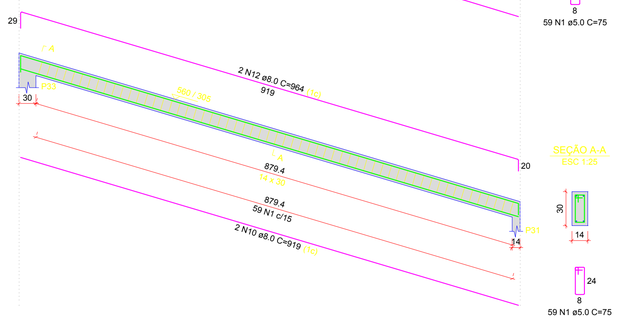
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	PESO + 0% (kg)
CA50	8.0	131.6	11	51.9
CA60	5.0	196.1	-	30.2

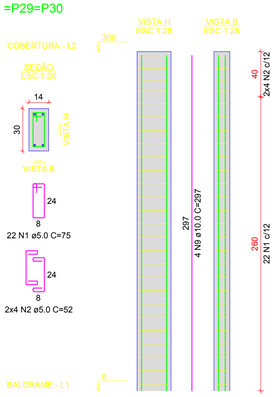
PESO TOTAL (kg)	
CA50	51.9
CA60	30.2

Volume de concreto (C-25) = 1.49 m³
Área de forma = 26.26 m²

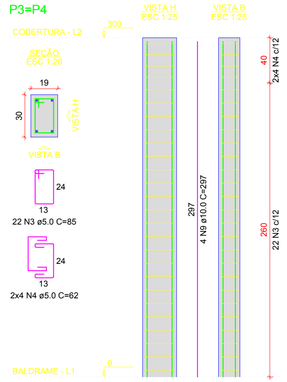
VR4
ESC 1:50



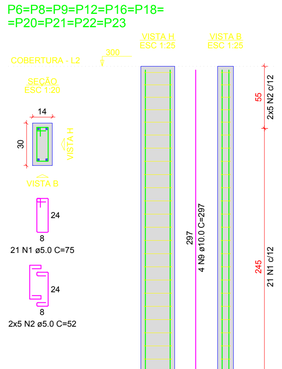
P1=P2=P5=P11=P13=P14= =P15=P17=P25=P26=P28= =P29=P30



P3=P4



P6=P8=P9=P12=P16=P18= =P20=P21=P22=P23



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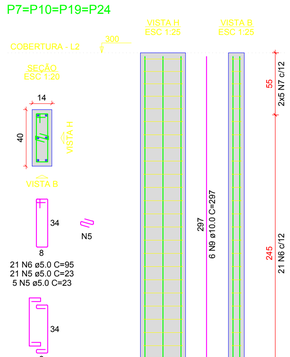
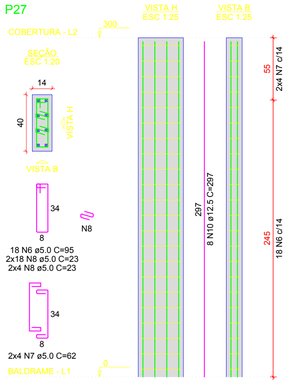
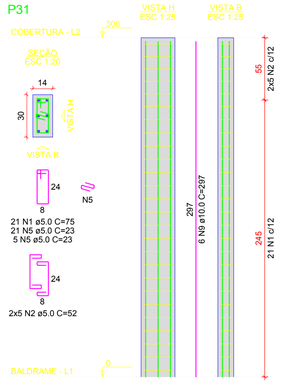


P27



P31



RELAÇÃO DO AÇO

13xP1
4xP7

2xP3
P27

10xP6
P31

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	517	75	38775
	2	5.0	214	52	11128
	3	5.0	44	85	3740
	4	5.0	16	62	992
	5	5.0	130	23	2990
	6	5.0	102	95	9690
	7	5.0	48	62	2976
	8	5.0	44	23	1012
CA50	9	10.0	130	297	38610
	10	12.5	8	297	2376

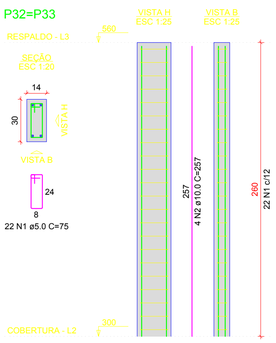
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	PESO + 0% (kg)
CA50	10.0	386.1	33	238
	12.5	23.8	2	22.9
CA60	5.0	713	-	109.9

PESO TOTAL (kg)	
CA50	260.9
CA60	109.9

Volume de concreto (C-25) = 4.21 m³
Área de forma = 85.44 m²

P32=P33



RELAÇÃO DO AÇO

2xP32

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	44	75	3300
CA50	2	10.0	8	257	2056

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	PESO + 0% (kg)
CA50	10.0	20.6	2	12.7
CA60	5.0	33	-	5.1

PESO TOTAL (kg)	
CA50	12.7
CA60	5.1

Volume de concreto (C-25) = 0.22 m³
Área de forma = 4.58 m²

SED Secretaria de Estado de Educação
GOVERNO DO ESTADO DE MATO GROSSO DO SUL
SECRETARIA DE ESTADO DE EDUCAÇÃO
SUPERINTENDÊNCIA DE APOIO OPERACIONAL / COORDENADORIA DE INFRAESTRUTURA
GOVERNO DO ESTADO MatoGrossoDoSul

OBRA
EM IRACY DA SILVA ALMEIDA
AMPLIAÇÃO E CONSTRUÇÃO

ESTRUTURAL

LOCAL
R. RACHIDE ABES, 1148 - JARDIM VISTA ALEGRE
RIBAS DO RIO PARDO / MS

QUADRO DE ÁREAS

AUTOR DO PROJETO
ENG° JAMERSON GUPEHINSKI
CREA - 15.246/D-MS

PROPRIETÁRIO
GOVERNO DO ESTADO DE
MATO GROSSO DO SUL
15.412.257/0001-28

RESPONSÁVEL TÉCNICO P/ EXECUÇÃO DA OBRA

TÍTULO
PLANTA DE ARMAÇÃO DAS VIGAS DE RESPALDO E PILARES

FOLHA
08/10

ESCALA
INDICADA

DATA
AGOSTO/2021

REVISÃO

DESENHO
JAMERSON

COINF/SED 840x6320