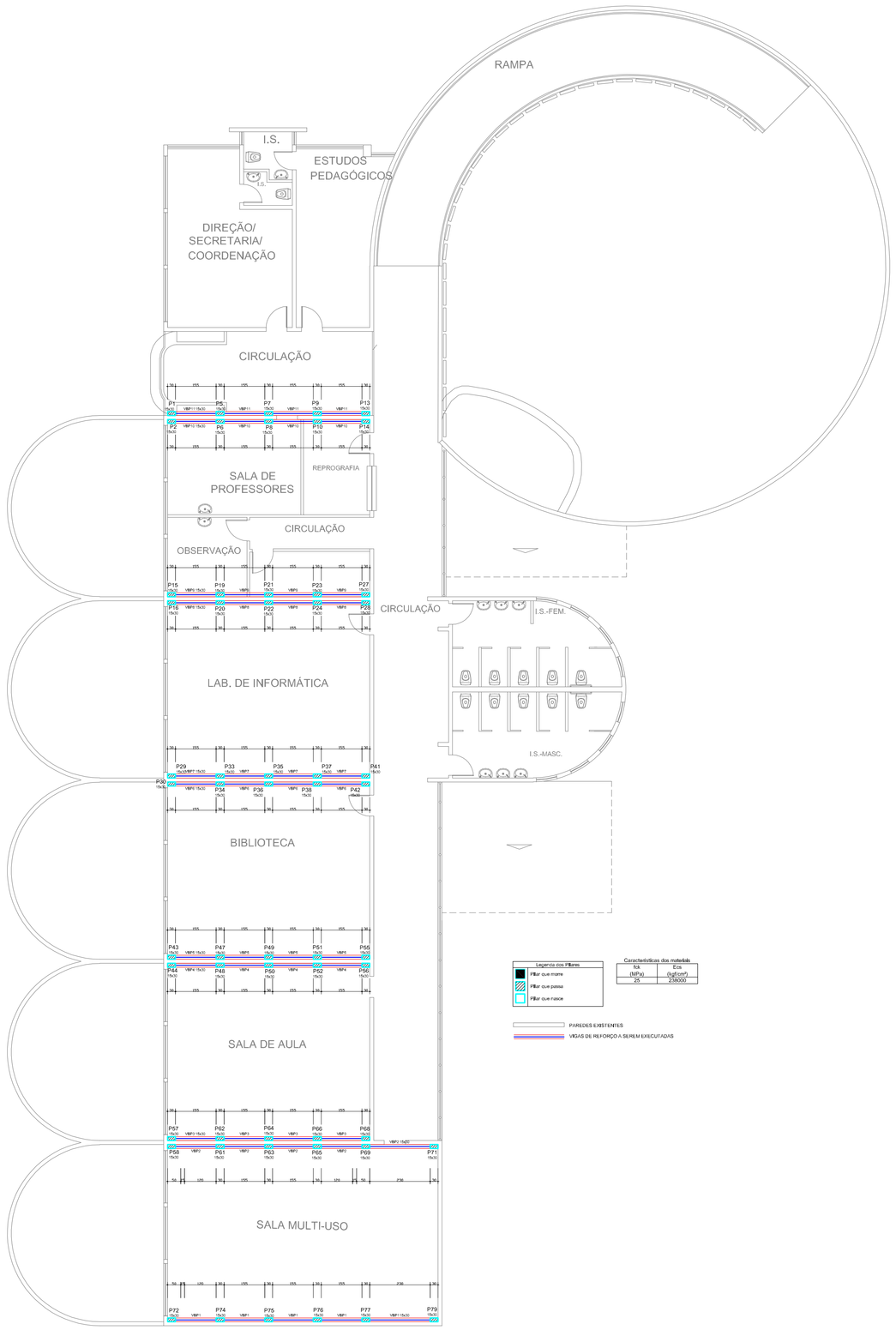
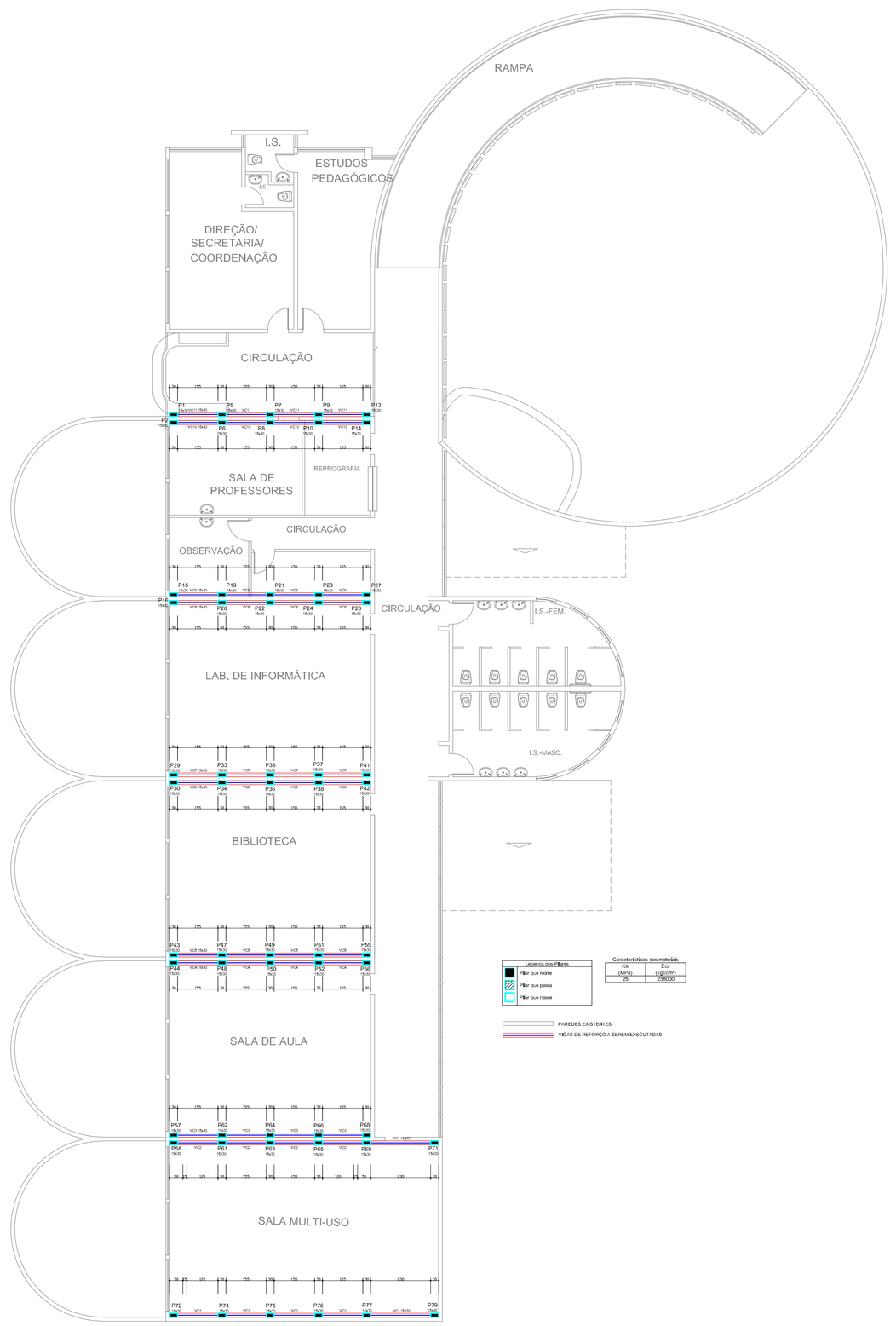


PLANTA DE FORMA VIGAS BALDRAMES SUPERIORES

ESCALA 1:100



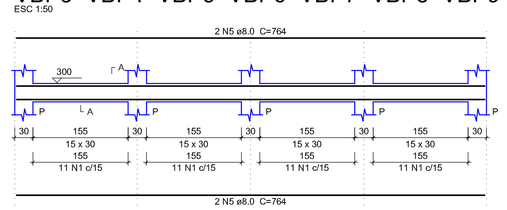
PLANTA DE FORMA VIGAS COBERTURA

ESCALA 1:100

DETALHAMENTO VIGAS BALDRAMES DE PISO

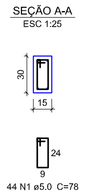
VBP3=VBP4=VBP5=VBP6=VBP7=VBP8=VBP9=VBP10=VBP11

ESC 1:50



SEÇÃO A-A

ESC 1:25



Resumo do aço - Vigas Baldrame de Piso

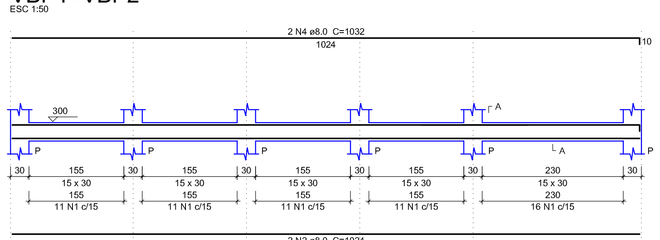
AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	357	154.9
CA60	5.0	402.5	68.2
PESO TOTAL			
CA50	154.9		
CA60	68.2		

Vol. de concreto total (C-25) = 4.05 m³

Área de forma total = 67.42 m²

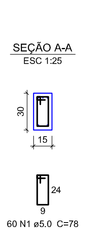
VBP1=VBP2

ESC 1:50



SEÇÃO A-A

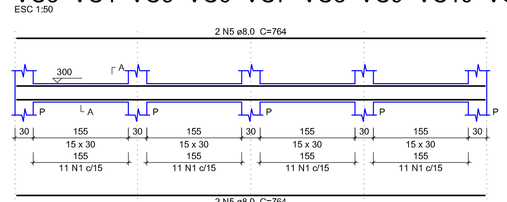
ESC 1:25



DETALHAMENTO VIGAS DE COBERTURA

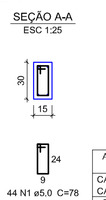
VC3=VC4=VC5=VC6=VC7=VC8=VC9=VC10=VC11

ESC 1:50



SEÇÃO A-A

ESC 1:25



Resumo do aço - Vigas de Cobertura

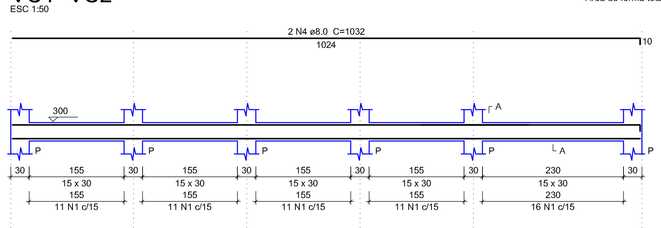
AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	357	154.9
CA60	5.0	402.5	68.2
PESO TOTAL			
CA50	154.9		
CA60	68.2		

Vol. de concreto total (C-25) = 4.05 m³

Área de forma total = 67.42 m²

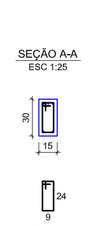
VC1=VC2

ESC 1:50



SEÇÃO A-A

ESC 1:25



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CENTRO MUNICIPAL DE EDUCAÇÃO INFANTIL E ENSINO FUNDAMENTAL PRESIDENTE COSTA E SILVA

PROJETO REC. ESTRUTURAL

PROJETO: ENGENHEIRO CIVIL MARCO ANTÔNIO HANSEN CREA 160.630/D

EXECUÇÃO:

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE PARANAGUÁ CNPJ: 76.017.456/0001-15

ESCALA: INDICADA

CONTEÚDO: PLANTA DE FORMA VIGAS BALDRAMES SUPERIORES; DETALHES VIGAS BALDRAMES SUPERIORES; PLANTA DE FORMA VIGAS COBERTURA; DETALHES VIGAS COBERTURA

CATEGORIA: INSTITUCIONAL

DATA: JUNHO/2018

PRANCHA: 04/04

DESENHO: MAH

LOCAL: RUA PROFESSOR CLETO – ROCIO – PARANAGUA – PR