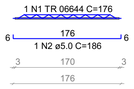
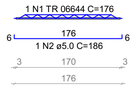
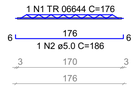
VT1a (19 unidades)
(L1)
ESC 1:50



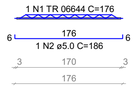
VT2a (15 unidades)
(L2)
ESC 1:50



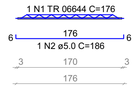
VT3a (15 unidades)
(L3)
ESC 1:50



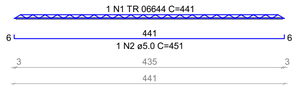
VT4a (15 unidades)
(L4)
ESC 1:50



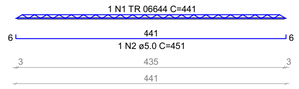
VT5a (9 unidades)
(L5)
ESC 1:50



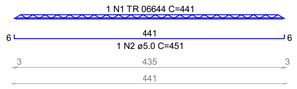
VT6a (18 unidades)
(L6)
ESC 1:50



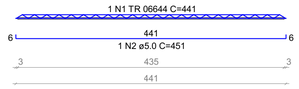
VT7a (15 unidades)
(L7)
ESC 1:50



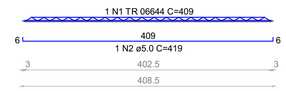
VT8a (15 unidades)
(L8)
ESC 1:50



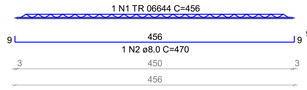
VT9a (15 unidades)
(L9)
ESC 1:50



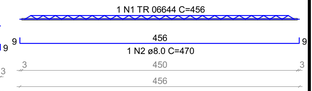
VT10a (10 unidades)
(L10)
ESC 1:50



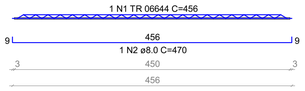
VT11a (18 unidades)
(L11)
ESC 1:50



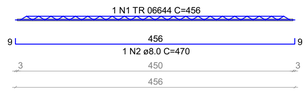
VT12a (15 unidades)
(L12)
ESC 1:50



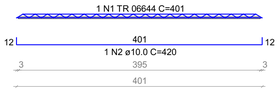
VT13a (15 unidades)
(L13)
ESC 1:50



VT14a (15 unidades)
(L14)
ESC 1:50

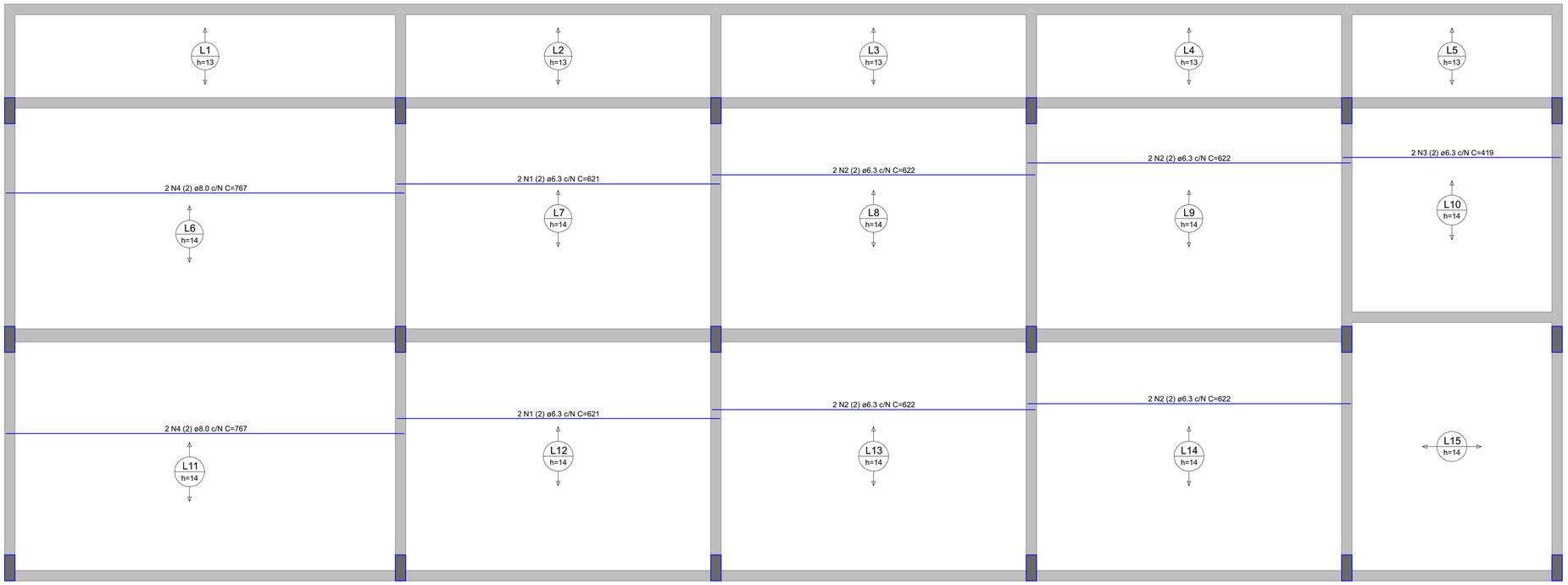


VT15a (12 unidades)
(L15)
ESC 1:50



Planta de vigotas pré-moldadas

escala 1:50



Armação positiva das lajes do pavimento Cobertura (Eixo X)

escala 1:50

Relação do aço

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
Positivos X	CA50	1	6.3	4	621	2484
	CA50	2	6.3	8	622	4976
	CA50	3	6.3	2	419	838
	CA50	4	8.0	4	767	3068
19xVT1a	CA60	1	TR 06644	19	176	3344
	CA60	2	5.0	19	186	3534
15xVT2a	CA60	1	TR 06644	15	176	2640
	CA60	2	5.0	15	186	2790
15xVT3a	CA60	1	TR 06644	15	176	2640
	CA60	2	5.0	15	186	2790
15xVT4a	CA60	1	TR 06644	15	176	2640
	CA60	2	5.0	15	186	2790
9xVT5a	CA60	1	TR 06644	9	176	1584
	CA60	2	5.0	9	186	1674
18xVT6a	CA60	1	TR 06644	18	441	7938
	CA60	2	5.0	18	451	8118
15xVT7a	CA60	1	TR 06644	15	441	6615
	CA60	2	5.0	15	451	6765
15xVT8a	CA60	1	TR 06644	15	441	6615
	CA60	2	5.0	15	451	6765
15xVT9a	CA60	1	TR 06644	15	441	6615
	CA60	2	5.0	15	451	6765
10xVT10a	CA60	1	TR 06644	10	409	4090
	CA60	2	5.0	10	419	4190
18xVT11a	CA60	1	TR 06644	18	456	8208
	CA50	2	8.0	18	470	8460
15xVT12a	CA60	1	TR 06644	15	456	6840
	CA50	2	8.0	15	470	7050
15xVT13a	CA60	1	TR 06644	15	456	6840
	CA50	2	8.0	15	470	7050
15xVT14a	CA60	1	TR 06644	15	456	6840
	CA50	2	8.0	15	470	7050
12xVT15a	CA60	1	TR 06644	12	401	4812
	CA50	2	10.0	12	420	5040

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	83	22.3
	8.0	326.8	141.8
	10.0	50.4	34.2
CA60	TR 06644	782.7	612.1
	5.0	461.9	78.3

PESO TOTAL (kg)	
CA50	198.4
CA60	690.4

Volume de concreto (C-30) = 21.02 m³

Obra
BLOCO DE SALAS ENGENHARIA CIVIL
BR - 232, Km 508, s/n - Zona Rural, CEP: 56000-000, Salgueiro - PE, Brasil.

Projeto
Marcos Antonio Padilha Junior:05942787409
Assinado de forma digital por Marcos Antonio Padilha Junior:05942787409
Dados: 2021.05.17 09:42:00 -03'00'
MARCOS ANTONIO PADILHA JÚNIOR
ENGENHEIRO CIVIL
CREA/PB - 160877517-8

Proprietário
INSTITUTO FEDERAL DO SERTÃO PERNAMBUCANO
CNPJ:10.830.301/0005-20
NATUREZA JURÍDICA: AUTARQUIA FEDERAL - CÓDIGO 1104
REPRESENTANTE LEGAL: JOSENILDO FORTE DE BRITO

Projeto
CÁLCULO ESTRUTURAL

Descriminação
Armação positiva das lajes do pavimento Cobertura (Eixo X) - Planta de Vigotas pré-moldadas

Folha 8
Conj. 1 | Fls./Conj. 9

Data	Escala	Desenho	Conferência
MAIO/2021	Indicada	MARCOS PADILHA	MARCOS PADILHA