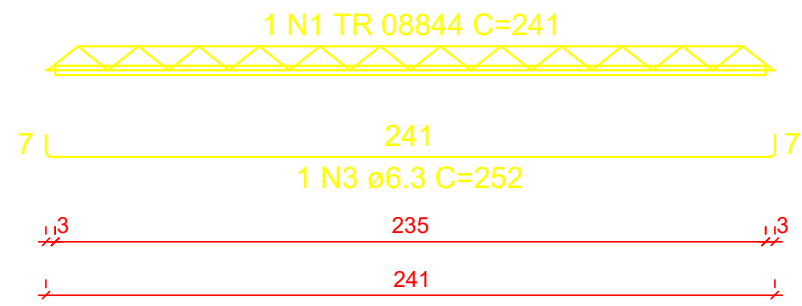
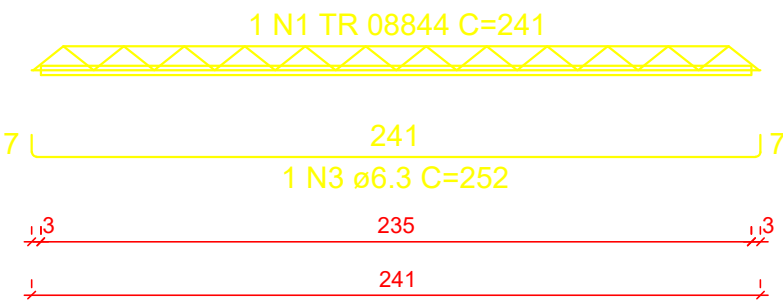


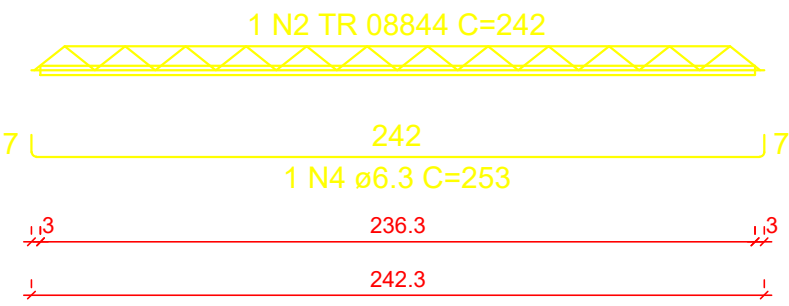
VT1a (18 unidades)
(L1)
ESC 1:25



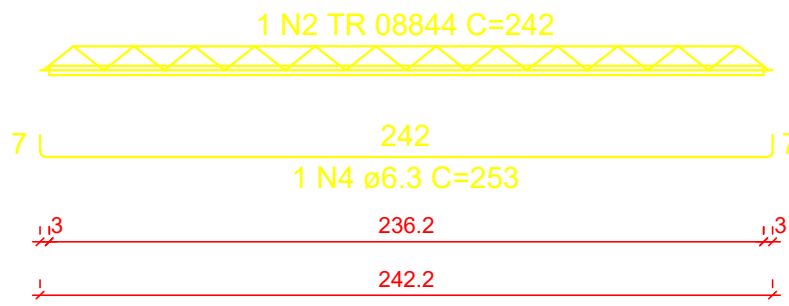
VT2a (18 unidades)
(L2)
ESC 1:25



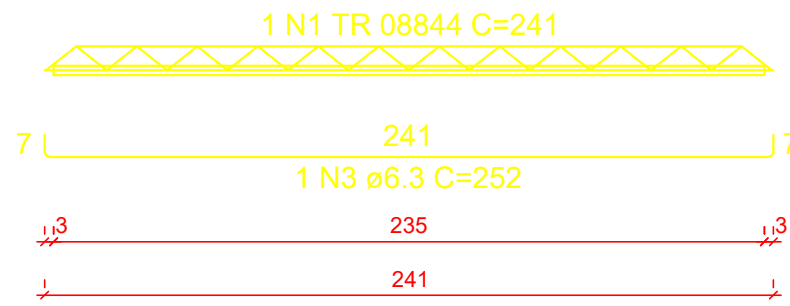
VT3a (18 unidades)
(L3)
ESC 1:25



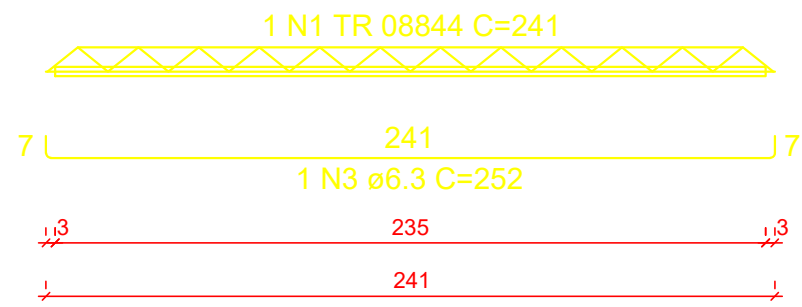
VT4a (18 unidades)
(L4)
ESC 1:25



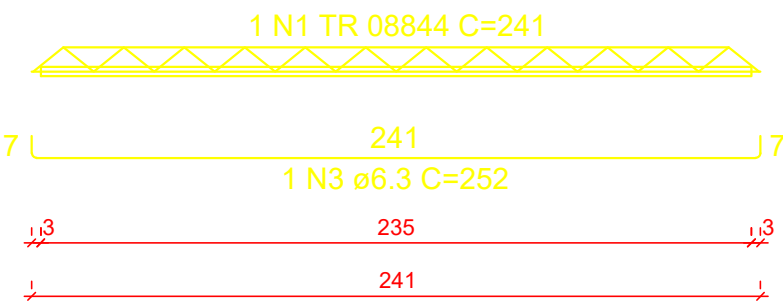
VT5a (18 unidades)
(L5)
ESC 1:25



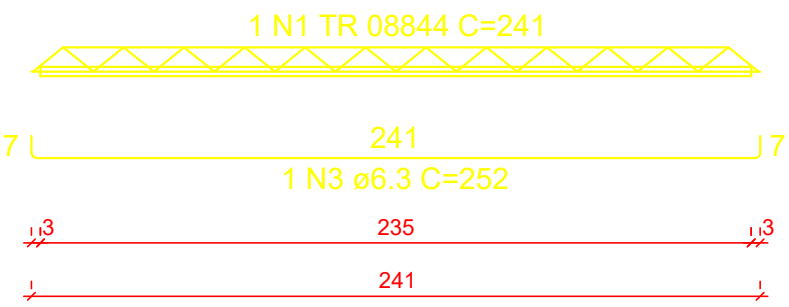
VT7a (18 unidades)
(L7)
ESC 1:25



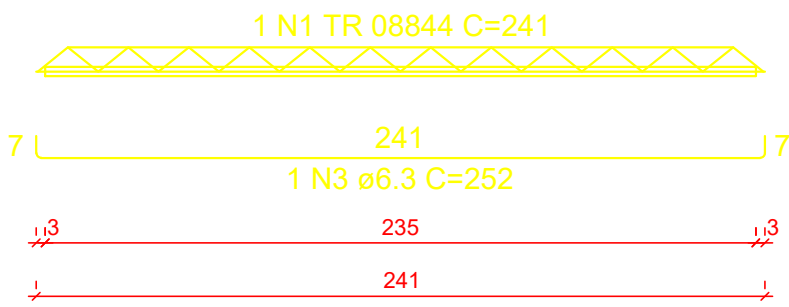
VT8a (18 unidades)
(L8)
ESC 1:25



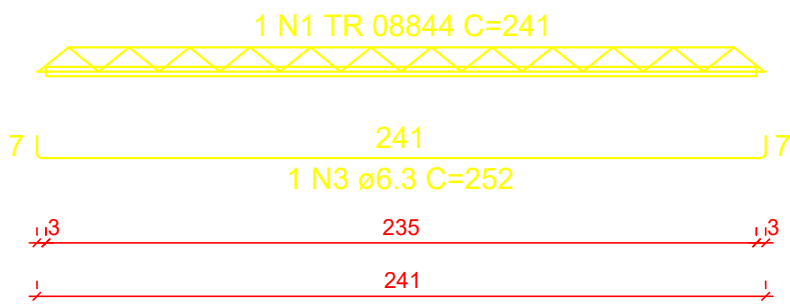
VT9a (18 unidades)
(L9)
ESC 1:25



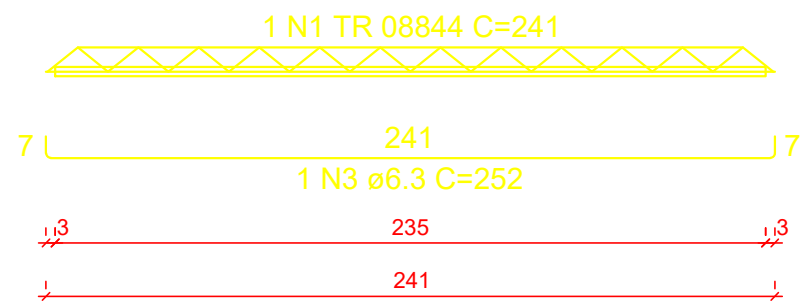
VT10a (18 unidades)
(L10)
ESC 1:25



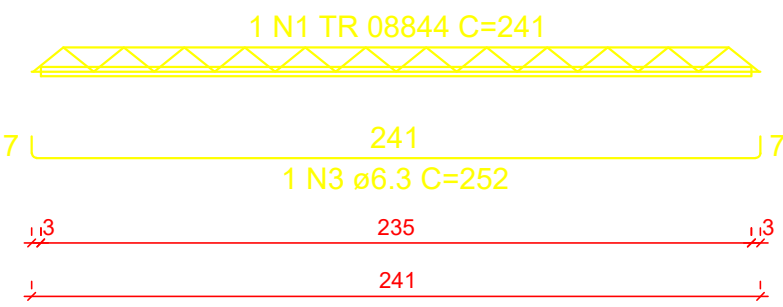
VT11a (18 unidades)
(L11)
ESC 1:25



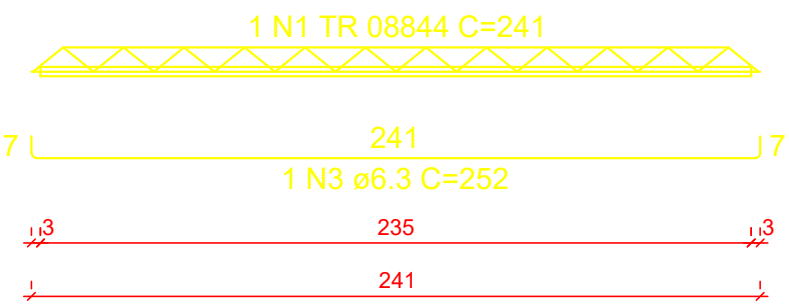
VT13a (18 unidades)
(L13)
ESC 1:25



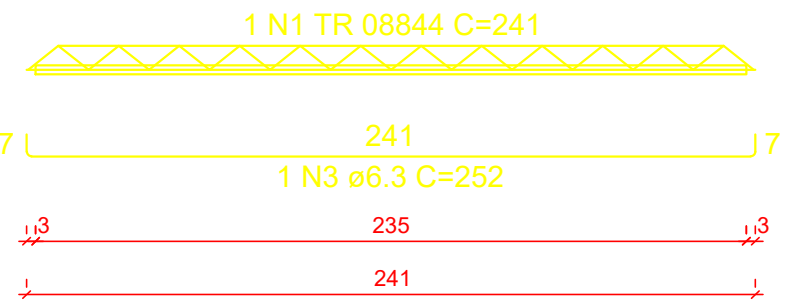
VT14a (18 unidades)
(L14)
ESC 1:25



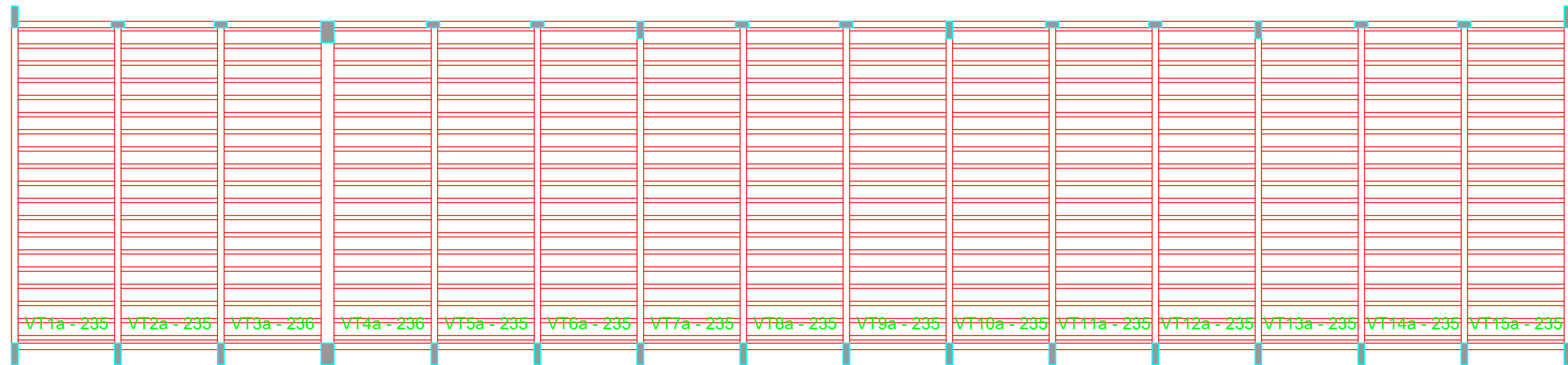
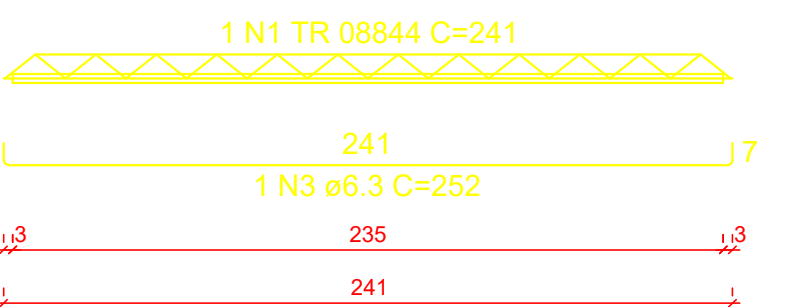
VT15a (18 unidades)
(L15)
ESC 1:25



VT12a (18 unidades)
(L12)
ESC 1:25

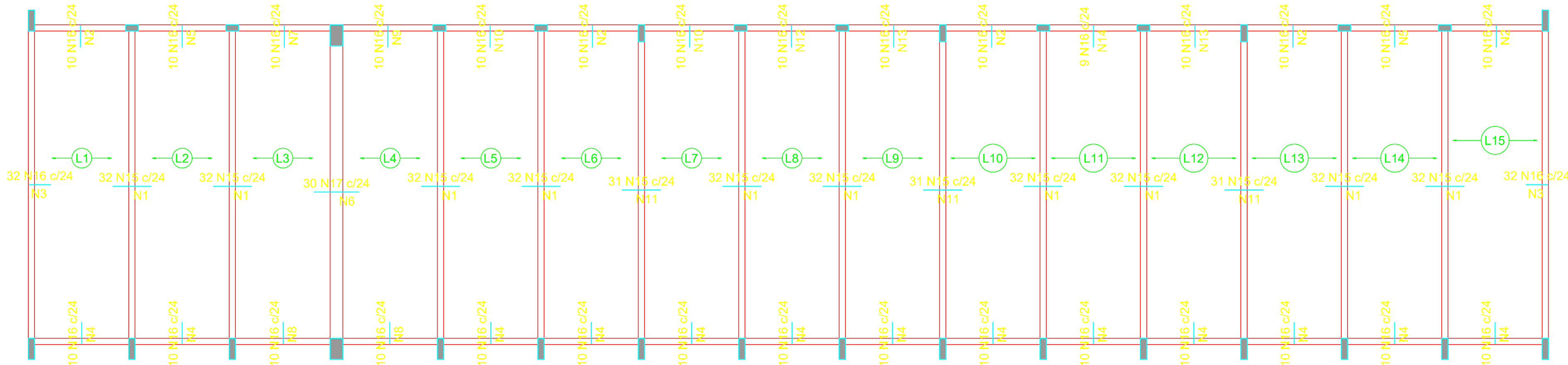
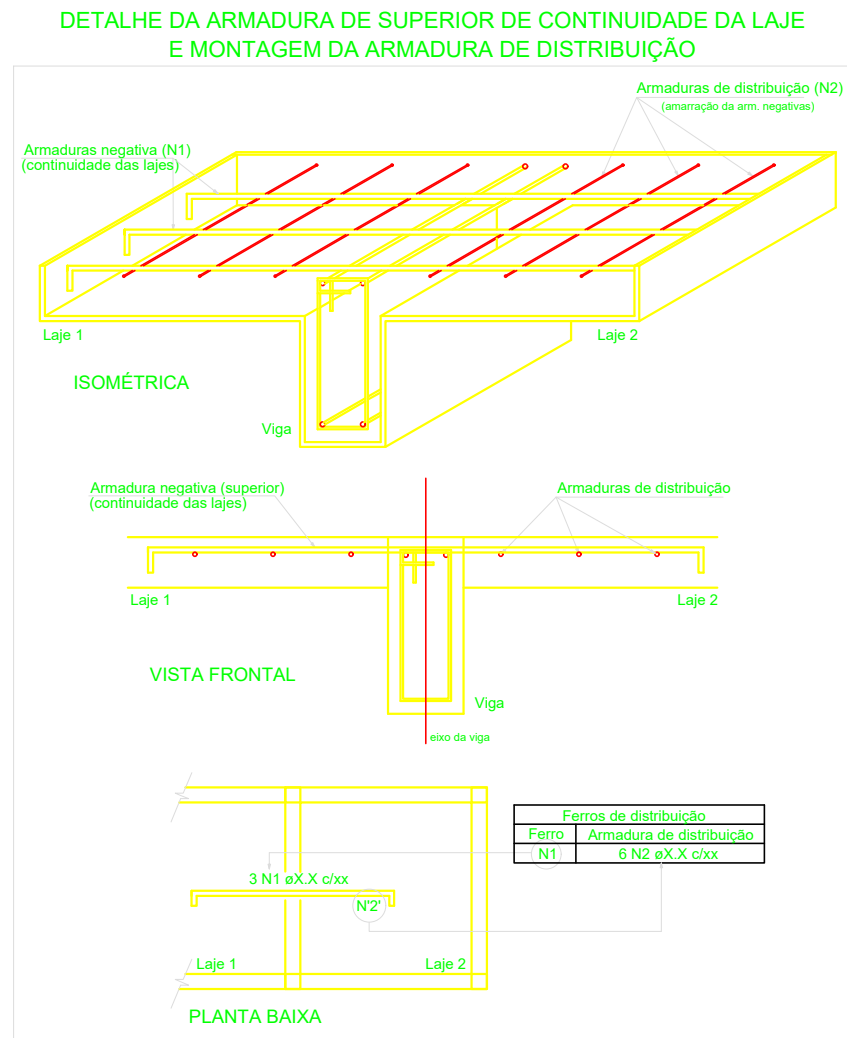


VT6a (18 unidades)
(L6)
ESC 1:25



Planta de vigotas pré-moldadas
escala 1:100

Armaduras de distribuição		Armaduras de distribuição	
Armadura	Armadura de distribuição	Armadura	Armadura de distribuição
N15	5 N1 ø5.0 c/21 C=758	N16	3 N4 ø5.0 c/21 C=240
N16	3 N2 ø5.0 c/21 C=234	N16	5 N1 ø5.0 c/21 C=758
N16	3 N3 ø5.0 c/21 C=765	N16	3 N2 ø5.0 c/21 C=234
N16	3 N4 ø5.0 c/21 C=240	N16	3 N4 ø5.0 c/21 C=240
N15	5 N1 ø5.0 c/21 C=758	N15	5 N1 ø5.0 c/21 C=758
N16	3 N5 ø5.0 c/21 C=228	N16	3 N14 ø5.0 c/21 C=228
N17	5 N6 ø5.0 c/21 C=730	N16	3 N4 ø5.0 c/21 C=240
N16	3 N7 ø5.0 c/21 C=237	N15	5 N11 ø5.0 c/21 C=740
N16	3 N8 ø5.0 c/21 C=243	N16	3 N13 ø5.0 c/21 C=234
N16	3 N8 ø5.0 c/21 C=243	N15	5 N1 ø5.0 c/21 C=758
N15	5 N1 ø5.0 c/21 C=758	N16	3 N2 ø5.0 c/21 C=234
N16	3 N9 ø5.0 c/21 C=234	N16	3 N4 ø5.0 c/21 C=240
N16	3 N4 ø5.0 c/21 C=240	N15	5 N1 ø5.0 c/21 C=758
N15	5 N1 ø5.0 c/21 C=758	N16	3 N5 ø5.0 c/21 C=228
N16	3 N10 ø5.0 c/21 C=231	N16	3 N4 ø5.0 c/21 C=240
N16	3 N4 ø5.0 c/21 C=240	N16	3 N4 ø5.0 c/21 C=240
N15	5 N11 ø5.0 c/21 C=740	N16	3 N3 ø5.0 c/21 C=765
N16	3 N2 ø5.0 c/21 C=234	N16	3 N2 ø5.0 c/21 C=234
N15	5 N1 ø5.0 c/21 C=758		
N16	3 N10 ø5.0 c/21 C=231		
N16	3 N4 ø5.0 c/21 C=240		
N16	3 N4 ø5.0 c/21 C=240		
N15	5 N1 ø5.0 c/21 C=758		
N16	3 N12 ø5.0 c/21 C=231		
N15	5 N11 ø5.0 c/21 C=740		
N16	3 N13 ø5.0 c/21 C=234		



Armação das lajes do pavimento Forro
escala 1:75

RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	TR 08844	234	241	56394
CA50	2	TR 08844	36	242	8712
	3	6.3	234	252	58968
	4	6.3	36	253	9108

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	6.3	680.8	63	183.2
CA60	TR 08844	651.1	-	649.6
PESO TOTAL (kg)				
CA50	183.2			
CA60	649.6			

RELAÇÃO DO AÇO

Negativos (Bordos) Positivos (Mesa)

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	50	758	37900
	2	5.0	15	234	3510
	3	5.0	6	765	4590
	4	5.0	39	240	9360
	5	5.0	6	228	1368
	6	5.0	5	730	3650
	7	5.0	3	237	711
	8	5.0	6	243	1458
	9	5.0	3	234	702
	10	5.0	6	231	1386
	11	5.0	15	740	11100
	12	5.0	3	231	693
	13	5.0	6	234	1404
	14	5.0	3	228	684
	15	6.3	413	92	37996
CA50	16	6.3	303	51	18513
	17	6.3	30	107	3210
	18	6.3	494	250	123500
	19	6.3	180	760	136800
	20	6.3	76	266	20216

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	6.3	3402.3	312	915.8
CA60	5.0	785.2	-	133.1
PESO TOTAL (kg)				
CA50	915.8			
CA60	133.1			

Volume de concreto (C-25) = 13.04 m³

PROJETO		RESPONSÁVEL TÉCNICO	
		Eng. Mario Marques Ribeiro CREA: MG 48900/D	
CLIENTE			
			
EMPREENHIMENTO			
IMPLANTAÇÃO DA ESCOLA NOVA			
ENDEREÇO		DISCIPLINA	
RUA 06, S/N - B. Luiz Rennó Mendes, SANTA RITA DO SAPUCAÍ - MINAS GERAIS		ESTRUTURAL	
ASSUNTO		FASE DO PROJETO	
BLOCO F, DETALHAMENTO DAS LAJES, PLANTA BAIXA, CORTES E DETALHES		EXECUTIVO	
DATA INICIAL		FOLHA Nº	
17/10/2019		61	
ESCALA		REVISÃO	
INDICADA		R00	
ARQUIVO		FAPEPE-FMSRS-ESC-PE-EST-R00 - NV.DWG	