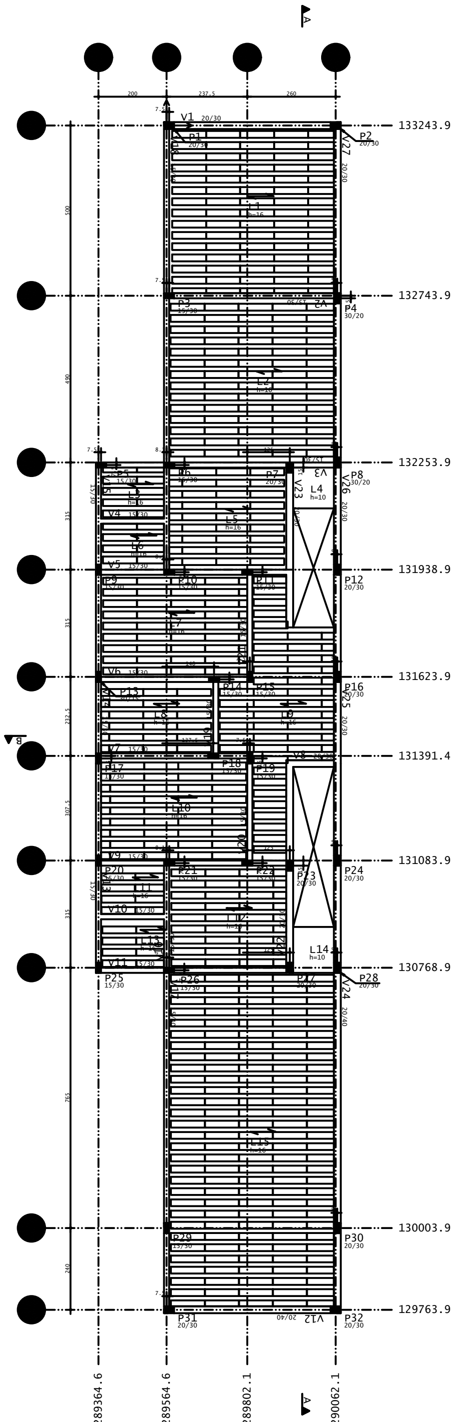


Baricentros de pilares			
Pilar	X (cm)	Pilar	Y (cm)
P20	-200.0	P32	-3480.0
P13	-200.0	P31	-3480.0
P25	-200.0	P29	-3240.0
P9	-200.0	P30	-3240.0
P17	-200.0	P26	-2482.5
P5	-192.5	P28	-2475.0
P29	0.0	P25	-2475.0
P31	7.5	P27	-2475.0
P26	7.5	P23	-2175.0
P1	7.5	P22	-2167.5
P3	7.5	P21	-2167.5
P21	8.1	P20	-2160.0
P6	8.1	P24	-2160.0
P10	8.1	P17	-1860.0
P18	137.5	P19	-1860.0
P14	140.0	P18	-1852.5
P22	237.5	P14	-1627.5
P11	237.5	P15	-1620.0
P15	245.0	P16	-1620.0
P19	245.0	P13	-1620.0
P27	362.5	P11	-1312.5
P7	362.5	P10	-1312.5
P23	362.5	P12	-1305.0
P2	497.5	P9	-1305.0
P32	497.5	P7	-1005.0
P4	502.5	P6	-997.5
P8	502.5	P5	-997.5
P16	502.5	P8	-990.0
P12	502.5	P4	-507.5
P28	502.5	P3	-500.0
P30	502.5	P2	-0.0
P24	502.5	P1	-0.0

Relação de blocos de enchimento			
Legenda	Quant	Dimensões Larg (cm)	Compr (cm)
EPS Tuper Bidirecional H12/20/20			
A	417	20.0	100.0
B	4	17.4	100.0
C	1	17.2	100.0
D	4	14.7	100.0
E	1	14.0	100.0
F	1	11.6	100.0
G	12	20.0	96.0
H	4	20.0	83.8
I	4	20.0	81.5
J	14	20.0	80.5
K	29	20.0	79.4
L	1	17.4	79.4
M	4	20.0	79.3
N	1	14.0	79.3
O	3	20.0	79.2
P	1	17.2	79.2
Q	14	20.0	75.9
R	1	14.7	75.9
S	9	20.0	38.9
T	9	20.0	38.1
U	11	20.0	36.0
V	1	11.6	36.0
W	9	20.0	26.9
X	9	20.0	24.1
Y	6	20.0	24.0

Estimativa de consumo de blocos			
Fabricante	Inteiros	Cortados	Total
EPS Tuper Bidirecional H12/20/20	417	126	543

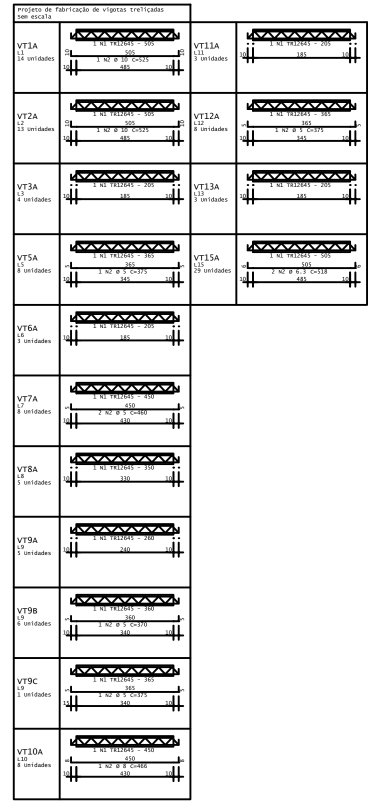
AÇO		POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	TOTAL (cm)
VT1A (X14)						
	TR12645	1		14	505	7070
	50A	2	10	14	525	7350
VT2A (X13)						
	TR12645	1		13	505	6565
	50A	2	10	13	525	6825
VT3A (X4)						
	TR12645	1		4	205	820
VT5A (X8)						
	TR12645	1		8	365	2920
	60A	2	5	8	375	3000
VT6A (X3)						
	TR12645	1		3	205	615
VT7A (X8)						
	TR12645	1		8	450	3600
	60A	2	5	16	460	7360
VT8A (X5)						
	TR12645	1		5	350	1750
VT9A (X5)						
	TR12645	1		5	260	1300
VT9B (X6)						
	TR12645	1		6	360	2160
	60A	2	5	6	370	2220
VT9C						
	TR12645	1		1	365	365
	60A	2	5	1	375	375
VT10A (X8)						
	TR12645	1		8	450	3600
	50A	2	8	8	466	3728
VT11A (X3)						
	TR12645	1		3	205	615
VT12A (X8)						
	TR12645	1		8	365	2920
	60A	2	5	8	375	3000
VT13A (X3)						
	TR12645	1		3	205	615
VT15A (X29)						
	TR12645	1		29	505	14645
	50A	2	6.3	58	518	30044

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
TR12645		496	441
60A	5	160	25
50A	6.3	300	74
50A	8	37	15
50A	10	142	87
Peso Total	TR12645 =		441 kg
Peso Total	60A =		25 kg
Peso Total	50A =		176 kg

Tabela de Vigotas Treliçadas

Dados			Vãos / Apoios				Armação Treliçada			Armadura Adicional (1)						Armadura Adicional (2)					
Laje	Vigota	No	LapE cm	Liv cm	LapD cm	Ltot cm	Treliça	Unit cm	Total cm	No bar	Ø mm	DE cm	DD cm	Unit cm	Total cm	No bar	Ø mm	DE cm	DD cm	Unit cm	Total cm
L1	VT1A	14	10	485	10	505	TR12645	505	7070	1	10.0	10	10	525	7350						
L2	VT2A	13	10	485	10	505	TR12645	505	6565	1	10.0	10	10	525	6825						
L3	VT3A	4	10	185	10	205	TR12645	205	820												
L5	VT5A	8	10	345	10	365	TR12645	365	2920	1	5.0	5	5	375	3000						
L6	VT6A	3	10	185	10	205	TR12645	205	615												
L7	VT7A	8	10	430	10	450	TR12645	450	3600	2	5.0	5	5	460	7360						
L8	VT8A	5	10	330	10	350	TR12645	350	1750												
L9	VT9A	5	10	240	10	260	TR12645	260	1300												
	VT9B	6	10	340	10	360	TR12645	360	2160	1	5.0	5	5	370	2220						
	VT9C	1	15	340	10	365	TR12645	365	365	1	5.0	5	5	375	375						
L10	VT10A	8	10	430	10	450	TR12645	450	3600	1	8.0	8	8	466	3728						
L11	VT11A	3	10	185	10	205	TR12645	205	615												
L12	VT12A	8	10	345	10	365	TR12645	365	2920	1	5.0	5	5	375	3000						
L13	VT13A	3	10	185	10	205	TR12645	205	615												
L15	VT15A	29	10	485	10	505	TR12645	505	14645	2	6.3	6	6	518	30021						

Projeto de fabricação de vigotas treliçadas
Sem escala



CONCRETO
fck = 30 MPa

OBRA Nº

PROPRIETÁRIO
PREFEITURA MUNICIPAL DE MIRACATU

DES. Nº 01/01

OBRA
CONCHA ACÚSTICA - PALCO INFERIOR

TITULO
LAJES DO PALCO INFERIOR

REV. Nº

DATA	ESCALA	DESENHO	COORD.	ENG º
14/04/2021	INDICADA			