

AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO	
				UNIT (cm)	TOTAL (cm)
VT1A	TR16645	1	1	185	185
VT1B	TR16645	1	1	205	205
VT1C	TR16645	1	1	210	210
VT3A	TR16645	1	1	198	198
	60B	2	5	208	208
VT3B	TR16645	1	1	218	218
	60B	2	5	228	228
VT3C	TR16645	1	1	237	237
	60B	2	5	247	247
VT3D	TR16645	1	1	257	257
	60B	2	5	267	267
VT3E	TR16645	1	1	276	276
	60B	2	5	286	286
VT3F	TR16645	1	1	295	295
	60B	2	5	305	305
VT3G	TR16645	1	1	315	315
	60B	2	5	325	325
VT3H	TR16645	1	1	334	334
	60B	2	5	344	344
VT4A	(X3)		3	200	600
VT5A	TR16645	1	1	50	50
VT5B	TR16645	1	1	70	70
VT5C	TR16645	1	1	89	89
VT5D	TR16645	1	1	108	108
VT5E	TR16645	1	1	128	128
VT5F	TR16645	1	1	147	147
VT5G	TR16645	1	1	167	167
VT6A	(X7)		7	210	1470
VT8A	(X3)		3	200	600
VT9A	TR16645	1	1	115	115
VT9B	TR16645	1	1	135	135
VT9C	TR16645	1	1	154	154
VT9D	TR16645	1	1	174	174
VT9E	TR16645	1	1	193	193
VT10A	(X3)		3	180	540
VT11A	(X5)		5	190	950
VT12A	(X7)		7	175	1225
VT14A	(X3)		3	180	540
VT16A	(X6)		6	220	1320

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
TR16645 60B	5	115 22	110 3
Peso Total TR16645 =			110 kg
Peso Total 60B =			3 kg

Tabela de Vigotas Trelçadas																					
Dados			Vãos / Apoios				Armaço Trelçada			Armadura Adicional (1)					Armadura Adicional (2)						
Laje	Vigota	No	LapE cm	Liv cm	LapD cm	Ltot cm	Trelça	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	1	20	155	10	185	TR16645	185	185												
	VT1B	1	10	185	10	205	TR16645	205	205												
	VT1C	1	10	190	10	210	TR16645	210	210												
	VT3A	1	10	178	10	198	TR16645	198	198	1	5.0	5	5	208	208						
L3	VT3B	1	10	198	10	218	TR16645	218	218	1	5.0	5	5	228	228						
	VT3C	1	10	217	10	237	TR16645	237	237	1	5.0	5	5	247	247						
	VT3D	1	10	237	10	257	TR16645	257	257	1	5.0	5	5	267	267						
	VT3E	1	10	256	10	276	TR16645	276	276	1	5.0	5	5	286	286						
	VT3F	1	10	275	10	295	TR16645	295	295	1	5.0	5	5	305	305						
	VT3G	1	10	295	10	315	TR16645	315	315	1	5.0	5	5	325	325						
	VT3H	1	10	314	10	334	TR16645	334	334	1	5.0	5	5	344	344						
L4	VT4A	3	10	180	10	200	TR16645	200	600												
	VT5A	1	10	30	10	50	TR16645	50	50												
L5	VT5B	1	10	50	10	70	TR16645	70	70												
	VT5C	1	10	69	10	89	TR16645	89	89												
	VT5D	1	10	88	10	108	TR16645	108	108												
	VT5E	1	10	108	10	128	TR16645	128	128												
	VT5F	1	10	127	10	147	TR16645	147	147												
	VT5G	1	10	147	10	167	TR16645	167	167												
	VT6A	7	10	190	10	210	TR16645	210	1470												
L8	VT8A	3	10	180	10	200	TR16645	200	600												
	VT9A	1	10	95	10	115	TR16645	115	115												
L9	VT9B	1	10	115	10	135	TR16645	135	135												
	VT9C	1	10	134	10	154	TR16645	154	154												
	VT9D	1	10	154	10	174	TR16645	174	174												
	VT9E	1	10	173	10	193	TR16645	193	193												
	VT9F	1	10	193	10	213	TR16645	213	213												
L10	VT10A	3	10	160	10	180	TR16645	180	540												
L11	VT11A	5	10	170	10	190	TR16645	190	950												
L12	VT12A	7	10	155	10	175	TR16645	175	1225												
L14	VT14A	3	10	160	10	180	TR16645	180	540												
L16	VT16A	6	10	200	10	220	TR16645	220	1320												

Relação de blocos de enchimento					
Legenda		Quant	Dimensões		
			Larg (cm)	Compr (cm)	
EPS Unidirecional	H12/40/120	53	40,0	120,0	
	A	1	36,0	120,0	
	B	1	33,0	120,0	
	C	1	31,0	120,0	
	D	1	31,0	120,0	
	E	1	15,6	120,0	
	F	10	40,0	115,0	
	G	1	40,0	109,7	
	H	1	40,0	109,0	
	I	1	40,0	97,3	
	J	1	40,0	90,3	
	K	1	40,0	89,9	
	L	1	40,0	77,8	
	M	5	40,0	71,0	
	N	1	36,0	71,0	
	O	1	40,0	70,8	
	P	1	40,0	70,5	
	Q	7	40,0	66,0	
	R	2	40,0	61,0	
	S	1	40,0	60,0	
	T	1	40,0	58,0	
	U	1	40,0	56,0	
	V	1	40,0	51,4	
	W	1	40,0	51,1	
	X	6	40,0	51,0	
	Y	1	31,0	51,0	
	Z	1	40,0	46,0	
	BA	1	40,0	45,9	
	BB	1	40,0	42,0	
	BC	1	40,0	38,6	
	BD	6	40,0	38,5	
	BE	1	40,0	37,1	
	BF	1	40,0	36,0	
BG	1	40,0	32,0		
BH	6	40,0	31,0		
BI	1	28,0	31,0		
BJ	1	40,0	26,5		
BK	7	40,0	26,0		
BL	1	38,0	26,0		
BM	1	40,0	21,0		
BN	1	40,0	19,5		
BO	1	40,0	19,2		
BP	1	40,0	12,6		

Estimativa de consumo de blocos			
Fabricante	Inteiros	Cortados	Total
EPS Unidirecional H12/40/120	53	59	112

Projeto de fabricação de vigotas trelaçadas					
Sem escala					
VT1A L1 1 Unidades		VT4A L4 3 Unidades		VT9B L9 1 Unidades	
VT1B L1 1 Unidades		VT5A L5 1 Unidades		VT9C L9 1 Unidades	
VT1C L1 1 Unidades		VT5B L5 1 Unidades		VT9D L9 1 Unidades	
VT3A L3 1 Unidades		VT5C L5 1 Unidades		VT9E L9 1 Unidades	
VT3B L3 1 Unidades		VT5D L5 1 Unidades		VT10A L10 3 Unidades	
VT3C L3 1 Unidades		VT5E L5 1 Unidades		VT11A L11 5 Unidades	
VT3D L3 1 Unidades		VT5F L5 1 Unidades		VT12A L12 7 Unidades	
VT3E L3 1 Unidades		VT5G L5 1 Unidades		VT14A L14 3 Unidades	
VT3F L3 1 Unidades		VT6A L6 7 Unidades		VT16A L16 6 Unidades	