TABELAS PARA PRÉ-DIMENSIONAMENTO DE LAJES TRELIÇADAS

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Critérios de cálculo

As tabelas presentes nesse trabalho foram elaboradas seguindo as prescrições da NBR 6118 de 2014, NBR 14859-1 de 2002 e NBR 6120 de 2019. Alguns dos critérios de cálculo adotados estão listados logo abaixo:

-Por hipótese, a base de concreto das vigotas possui 3cm de espessura e as barras de aço do banzo inferior da treliça e da armadura complementar ficam posicionadas exatamente no centro dela;

-Para verificação da flecha foram considerados os efeitos da fissuração e fluência do concreto. Além disso, foi utilizada a combinação quase permanente de serviço com $\Psi_2 = 0,4$ (Tabela 11.2 da NBR 6118:2014);

-A flecha admissível adotada corresponde a L/250, sendo L o vão das vigotas. Esse é o valor limite prescrito pela norma para que a deformação da laje não provoque desconforto visual nos usuários do edifício (Tabela 13.3 da NBR 6118:2014);

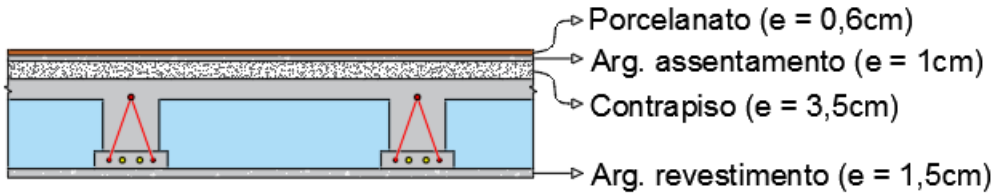
-Para as barras com bitola de 4,2mm e 5mm foi utilizado o aço CA-60 e para as demais barras o aço CA-50;

-Para majoração dos esforços e minoração da resistência do concreto foi adotado um coeficiente de 1,4;

-Para minoração da resistência do aço foi adotado um coeficiente de 1,15;

-Foi previsto um tempo de escoramento de pelo menos 15 dias

LAJE PARA PISO



Cargas de contrapiso e revestimento:

Porcelanato = 23kN/m³ x 0,006 = 0,138kN/m²

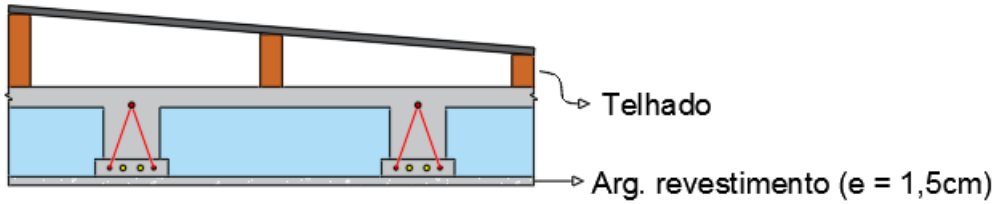
Arg. assentamento = 21kN/m³ x 0,01 = 0,21kN/m²

Contrapiso = 21kN/m³ x 0,035 = 0,735kN/m²

Arg. revestimento = 19kN/m³ x 0,015 = 0,285kN/m²

Total = 1,37kN/m² ≅ 140kgf/m²

LAJE PARA FORRO



Cargas do telhado e revestimento (ou forro):

Telhado de fibrocimento = 0,40kN/m²

Arg. revestimento = 19kN/m³ x 0,015 = 0,285kN/m²

Total = 0,69kN/m² ≅ 70kgf/m²

CASO QUEIRA CALCULAR UMA LAJE COM CRITÉRIOS DE CÁLCULO DIFERENTES **CLIQUE AQUI**

Observações

As tabelas presentes nesse trabalho foram criadas com o intuito de auxiliar no pré-dimensionamento das lajes treliçadas e não dispensam a realização de um cálculo mais rigoroso. Elas informam a quantidade de barras de aço que devem ser adicionadas em cada vigota e o valor da contraflecha que deve ser aplicada para a deformação não exceder o limite de L/250 prescrito pela norma

Os cálculos foram realizados de tal forma que a segurança contra a ruptura devido aos esforços axiais de tração e compressão esteja garantida. Além disso, foi verificada a segurança contra a ruptura por cisalhamento utilizando as equações presentes no item 19.4.1 da NBR 6118:2014

Para obter as informações das tabelas, basta entrar com o comprimento do vão e a intensidade da carga acidental atuando em cada m² da laje. Feito isso, a quantidade de barras de aço e o valor da contraflecha estarão indicados na célula interceptada pela linha horizontal que passa pelo vão e a linha vertical que passa pela carga acidental. Se a célula em questão estiver preenchida com a cor cinza, isso significa que a laje apresenta deformação e/ou esforço cortante excessivo. Nesse caso, utilize outra tabela

Para atender rigorosamente a NBR 6118:2014 a contraflecha não deve exceder L/350

Botões para acesso rápido às tabelas

Escolha a laje desejada e clique no botão para ser redirecionado para a tabela correspondente

Lajes para forro com intereixo de 42cm:

LT 12 (8 + 4) **LT 16 (12 + 4)** **LT 20 (16 + 4)** **LT 24 (20 + 4)** **LT 30 (25 + 5)** **LT 35 (30 + 5)**

Lajes para forro com intereixo de 49cm:

LT 12 (8 + 4) **LT 16 (12 + 4)** **LT 20 (16 + 4)** **LT 24 (20 + 4)** **LT 30 (25 + 5)** **LT 35 (30 + 5)**

Lajes para piso com intereixo de 42cm e fck de 20MPa:

LT 12 (8 + 4) **LT 16 (12 + 4)** **LT 20 (16 + 4)** **LT 25 (20 + 5)** **LT 30 (25 + 5)** **LT 36 (30 + 6)**

Lajes para piso com intereixo de 42cm e fck de 25MPa:

LT 12 (8 + 4) **LT 16 (12 + 4)** **LT 20 (16 + 4)** **LT 25 (20 + 5)** **LT 30 (25 + 5)** **LT 36 (30 + 6)**

Lajes para piso com intereixo de 42cm e fck de 30MPa:

LT 12 (8 + 4) **LT 16 (12 + 4)** **LT 20 (16 + 4)** **LT 25 (20 + 5)** **LT 30 (25 + 5)** **LT 36 (30 + 6)**

Lajes para piso com intereixo de 42cm e fck de 35MPa:

LT 12 (8 + 4) **LT 16 (12 + 4)** **LT 20 (16 + 4)** **LT 25 (20 + 5)** **LT 30 (25 + 5)** **LT 36 (30 + 6)**

Lajes para piso com intereixo de 49cm e fck de 20MPa:

LT 12 (8 + 4) **LT 16 (12 + 4)** **LT 20 (16 + 4)** **LT 25 (20 + 5)** **LT 30 (25 + 5)** **LT 36 (30 + 6)**

Lajes para piso com intereixo de 49cm e fck de 25MPa:

LT 12 (8 + 4) **LT 16 (12 + 4)** **LT 20 (16 + 4)** **LT 25 (20 + 5)** **LT 30 (25 + 5)** **LT 36 (30 + 6)**

Lajes para piso com intereixo de 49cm e fck de 30MPa:

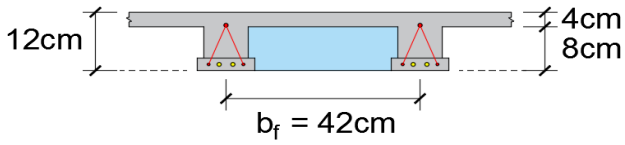
LT 12 (8 + 4) **LT 16 (12 + 4)** **LT 20 (16 + 4)** **LT 25 (20 + 5)** **LT 30 (25 + 5)** **LT 36 (30 + 6)**

Lajes para piso com intereixo de 49cm e fck de 35MPa:

LT 12 (8 + 4) **LT 16 (12 + 4)** **LT 20 (16 + 4)** **LT 25 (20 + 5)** **LT 30 (25 + 5)** **LT 36 (30 + 6)**

LAJES PARA FORRO COM INTEREIXO DE 42CM

Laje Treliçada Unidirecional Para Forro LT 12 (8 + 4) - Intereixo = 42cm



Dados: Enchimento em EPS
Treliça TR 08644
Largura das nervuras = 9cm
Peso próprio = 144kgf/m²
Telhado + Forro = 70kgf/m²

Volume de concreto: 0,05071m³ por m²

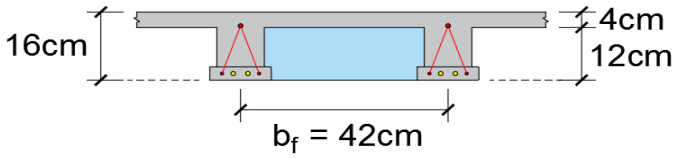
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	fck = 20MPa			fck = 25MPa			fck = 30MPa			fck = 35MPa		
	50	100	150	50	100	150	50	100	150	50	100	150
1,20	-	-	-	-	-	-	-	-	-	-	-	-
1,40	-	-	-	-	-	-	-	-	-	-	-	-
1,60	-	-	-	-	-	-	-	-	-	-	-	-
1,80	-	-	-	-	-	-	-	-	-	-	-	-
2,00	-	-	-	-	-	-	-	-	-	-	-	-
2,20	-	-	-	-	-	-	-	-	-	-	-	-
2,40	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2
2,60	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
2,80	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2
3,00	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0
3,20	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
3,40	2Ø4,2	2Ø4,2	1Ø8,0	1Ø5,0	2Ø4,2	1Ø8,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø4,2	2Ø4,2	2Ø5,0
3,60	1Ø8,0	2Ø6,3	2Ø6,3	1Ø8,0	2Ø5,0	2Ø6,3	1Ø5,0	2Ø5,0	2Ø5,0	1Ø5,0	2Ø5,0	2Ø5,0
3,80	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø4,2	2Ø6,3	2Ø6,3	2Ø4,2	2Ø6,3	2Ø6,3
4,00	2Ø8,0	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0
4,20	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø8,0
4,40	2Ø10,0	2Ø10,0		2Ø10,0	2Ø10,0		2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0

Laje Treliçada Unidirecional Para Forro LT 16 (12 + 4) - Intereixo = 42cm



Dados: Enchimento em EPS
Treliça TR 12645
Largura das nervuras = 9cm
Peso próprio = 166kgf/m²
Telhado + Forro = 70kgf/m²

Volume de concreto: 0,05929m³ por m²

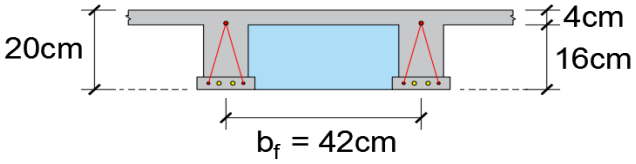
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	fck = 20MPa			fck = 25MPa			fck = 30MPa			fck = 35MPa		
	50	100	150	50	100	150	50	100	150	50	100	150
2,60	-	-	-	-	-	-	-	-	-	-	-	-
2,80	-	-	-	-	-	-	-	-	-	-	-	-
3,00	-	-	-	-	-	-	-	-	-	-	-	-
3,20	-	-	-	-	-	-	-	-	-	-	-	-
3,40	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2
3,60	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
3,80	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0
4,00	1Ø4,2	2Ø4,2	2Ø4,2	1Ø4,2	1Ø4,2	2Ø4,2	1Ø4,2	1Ø4,2	2Ø4,2	1Ø4,2	1Ø4,2	2Ø4,2
4,20	1Ø4,2	2Ø5,0	2Ø5,0	1Ø4,2	1Ø5,0	2Ø5,0	1Ø4,2	1Ø5,0	2Ø5,0	1Ø4,2	1Ø5,0	2Ø5,0
4,40	2Ø4,2	2Ø6,3	2Ø6,3	1Ø5,0	2Ø5,0	2Ø5,0	1Ø5,0	2Ø5,0	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0
4,60	2Ø5,0	2Ø6,3	2Ø6,3	2Ø4,2	2Ø6,3	2Ø6,3	2Ø4,2	2Ø6,3	1Ø8,0	2Ø4,2	2Ø5,0	1Ø8,0
4,80	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø5,0	1Ø8,0	2Ø8,0	2Ø5,0	1Ø8,0	2Ø6,3
5,00	2Ø8,0	2Ø8,0	2Ø10,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	1Ø8,0	2Ø8,0	2Ø8,0
5,20	2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	1Ø8,0	2Ø8,0	2Ø8,0
5,40	2Ø10,0			2Ø10,0	2Ø10,0		2Ø10,0	2Ø10,0		2Ø10,0	2Ø10,0	2Ø10,0

Laje Treliçada Unidirecional Para Forro LT 20 (16 + 4) - Intereixo = 42cm



Dados: Enchimento em EPS
Treliça TR 16745
Largura das nervuras = 9cm
Peso próprio = 188kgf/m²
Telhado + Forro = 70kgf/m²

Volume de concreto: 0,06786m³ por m²

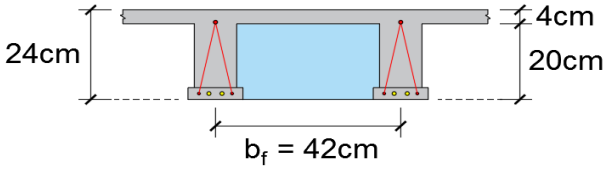
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	fck = 20MPa			fck = 25MPa			fck = 30MPa			fck = 35MPa		
	50	100	150	50	100	150	50	100	150	50	100	150
3,00	-	-	-	-	-	-	-	-	-	-	-	-
3,20	-	-	-	-	-	-	-	-	-	-	-	-
3,40	-	-	-	-	-	-	-	-	-	-	-	-
3,60	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2
3,80	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
4,00	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
4,20	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0
4,40	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
4,60	1Ø4,2	2Ø4,2	2Ø5,0	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
4,80	1Ø5,0	2Ø5,0	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0
5,00	2Ø4,2	1Ø8,0	1Ø8,0	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	1Ø8,0	2Ø4,2	2Ø5,0	1Ø8,0
5,20	2Ø5,0	2Ø6,3	2Ø6,3	2Ø5,0	1Ø8,0	2Ø8,0	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3
5,40	1Ø8,0	2Ø8,0	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	1Ø8,0	2Ø8,0	2Ø5,0	1Ø8,0	2Ø8,0
5,60	2Ø6,3	2Ø8,0	2Ø8,0	1Ø8,0	2Ø8,0	2Ø8,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0
5,80	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	1Ø8,0	2Ø8,0	2Ø8,0	1Ø8,0	2Ø8,0	2Ø8,0
6,00	2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø8,0
6,20	2Ø10,0			2Ø10,0	2Ø10,0		2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0

Laje Treliçada Unidirecional Para Forro LT 24 (20 + 4) - Intereixo = 42cm



Dados: Enchimento em EPS
Treliça TR 20745
Largura das nervuras = 9cm
Peso próprio = 210kgf/m²
Telhado + Forro = 70kgf/m²

Volume de concreto: 0,07643m³ por m²

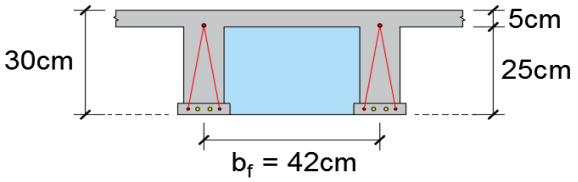
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	fck = 20MPa			fck = 25MPa			fck = 30MPa			fck = 35MPa		
	50	100	150	50	100	150	50	100	150	50	100	150
3,50	-	-	-	-	-	-	-	-	-	-	-	-
3,70	-	-	1Ø4,2	-	-	-	-	-	-	-	-	-
3,90	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2
4,10	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
4,30	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
4,50	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0
4,70	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø4,2	2Ø4,2	1Ø4,2	1Ø4,2	2Ø4,2	1Ø4,2	1Ø4,2	2Ø4,2
4,90	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
5,10	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0
5,30	1Ø5,0	2Ø5,0	2Ø5,0	1Ø5,0	2Ø5,0	2Ø5,0	1Ø5,0	2Ø5,0	2Ø5,0	1Ø5,0	2Ø5,0	2Ø5,0
5,50	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3
5,70	2Ø5,0	1Ø8,0	2Ø6,3	2Ø5,0	2Ø5,0	2Ø6,3	2Ø5,0	2Ø5,0	2Ø6,3	2Ø5,0	2Ø5,0	2Ø6,3
5,90	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0
6,10	1Ø8,0	2Ø8,0	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0
6,30	2Ø8,0	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0
6,50	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0
6,70	2Ø10,0	2Ø10,0		2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø8,0
6,90	2Ø10,0			2Ø10,0	2Ø10,0		2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0
7,10				2Ø10,0			2Ø10,0	2Ø10,0		2Ø8,0	2Ø10,0	2Ø10,0

Laje Treliçada Unidirecional Para Forro LT 30 (25 + 5) - Intereixo = 42cm



Dados: Enchimento em EPS
Treliça TR 25856
Largura das nervuras = 9cm
Peso próprio = 262kgf/m²
Telhado + Forro = 70kgf/m²

Volume de concreto: 0,09714m³ por m²

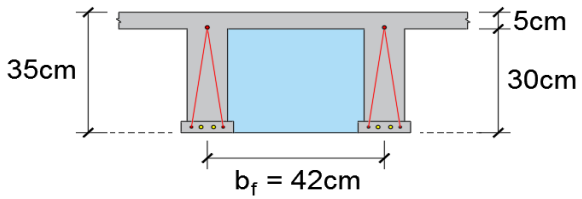
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	fck = 20MPa			fck = 25MPa			fck = 30MPa			fck = 35MPa		
	50	100	150	50	100	150	50	100	150	50	100	150
4,00	-	-	-	-	-	-	-	-	-	-	-	-
4,20	-	-	-	-	-	-	-	-	-	-	-	-
4,40	-	-	-	-	-	-	-	-	-	-	-	-
4,60	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2
4,80	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
5,00	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2
5,20	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0
5,40	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
5,60	1Ø4,2	2Ø4,2	2Ø5,0	1Ø4,2	2Ø4,2	2Ø5,0	1Ø4,2	2Ø4,2	2Ø5,0	1Ø4,2	2Ø4,2	2Ø5,0
5,80	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0
6,00	2Ø4,2	2Ø5,0	1Ø8,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø4,2	2Ø5,0	1Ø8,0
6,20	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3
6,40	2Ø5,0	1Ø8,0	2Ø8,0	2Ø5,0	1Ø8,0	2Ø8,0	2Ø5,0	1Ø8,0	2Ø8,0	2Ø5,0	1Ø8,0	2Ø6,3
6,60	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0
6,80	2Ø6,3	2Ø8,0	2Ø8,0	1Ø8,0	2Ø8,0	2Ø8,0	1Ø8,0	2Ø8,0	2Ø8,0	1Ø8,0	2Ø8,0	2Ø8,0
7,00	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0
7,20	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
7,40	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0
7,60	2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0
7,80	2Ø10,0			2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0
8,00				2Ø10,0			2Ø10,0	2Ø10,0		2Ø8,0	2Ø10,0	2Ø10,0

Laje Treliçada Unidirecional Para Forro LT 35 (30 + 5) - Intereixo = 42cm



Dados: Enchimento em EPS
Treliça TR 30856
Largura das nervuras = 9cm
Peso próprio = 290kgf/m²
Telhado + Forro = 70kgf/m²

Volume de concreto: 0,10786m³ por m²

Legenda

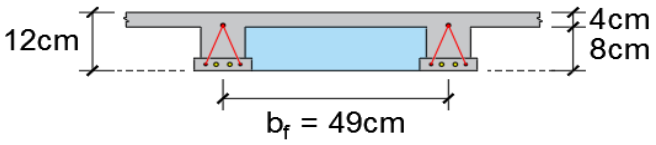
CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	fck = 20MPa			fck = 25MPa			fck = 30MPa			fck = 35MPa		
	50	100	150	50	100	150	50	100	150	50	100	150
5,00	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
5,20	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
5,40	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0
5,60	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
5,80	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
6,00	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0
6,20	2Ø4,2	2Ø5,0	2Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0
6,40	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3
6,60	2Ø5,0	2Ø5,0	2Ø6,3	2Ø5,0	2Ø5,0	2Ø6,3	2Ø5,0	2Ø5,0	2Ø6,3	2Ø5,0	2Ø5,0	2Ø6,3
6,80	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0
7,00	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0
7,20	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0
7,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0
7,60	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
7,80	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0
8,00	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0
8,20	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0
8,40	2Ø10,0	2Ø10,0		2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0
8,60	2Ø10,0			2Ø10,0	2Ø10,0		2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0
8,80				2Ø10,0			2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
9,00							2Ø10,0			2Ø10,0	2Ø10,0	2Ø10,0

LAJES PARA FORRO COM INTEREIXO DE 49CM

Laje Treliçada Unidirecional Para Forro LT 12 (8 + 4) - Intereixo = 49cm



Dados: Enchimento em EPS
Treliça TR 08644
Largura das nervuras = 9cm
Peso próprio = 138kgf/m²
Telhado + Forro = 70kgf/m²

Volume de concreto: 0,04918m³ por m²

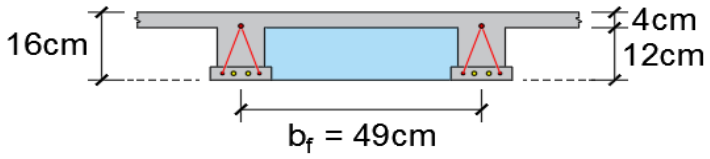
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	fck = 20MPa			fck = 25MPa			fck = 30MPa			fck = 35MPa		
	50	100	150	50	100	150	50	100	150	50	100	150
1,20	-	-	-	-	-	-	-	-	-	-	-	-
1,40	-	-	-	-	-	-	-	-	-	-	-	-
1,60	-	-	-	-	-	-	-	-	-	-	-	-
1,80	-	-	-	-	-	-	-	-	-	-	-	-
2,00	-	-	-	-	-	-	-	-	-	-	-	-
2,20	-	-	-	-	-	-	-	-	-	-	-	-
2,40	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
2,60	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
2,80	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0
3,00	1Ø4,2	2Ø4,2	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
3,20	1Ø5,0	2Ø5,0	2Ø5,0	1Ø5,0	2Ø5,0	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0
3,40	2Ø5,0	1Ø8,0	2Ø6,3	2Ø4,2	2Ø6,3	2Ø6,3	1Ø5,0	2Ø5,0	1Ø8,0	2Ø4,2	2Ø5,0	2Ø6,3
3,60	1Ø8,0	2Ø6,3	2Ø8,0	1Ø8,0	1Ø8,0	2Ø6,3	1Ø8,0	1Ø8,0	2Ø6,3	1Ø8,0	1Ø8,0	2Ø6,3
3,80	2Ø8,0	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	1Ø8,0	2Ø8,0	2Ø8,0
4,00	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø6,3	2Ø8,0	2Ø8,0
4,20	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0
4,40	2Ø10,0			2Ø10,0			2Ø10,0			2Ø10,0	2Ø10,0	

Laje Treliçada Unidirecional Para Forro LT 16 (12 + 4) - Intereixo = 49cm



Dados: Enchimento em EPS
Treliça TR 12645
Largura das nervuras = 9cm
Peso próprio = 157kgf/m²
Telhado + Forro = 70kgf/m²

Volume de concreto: 0,05653m³ por m²

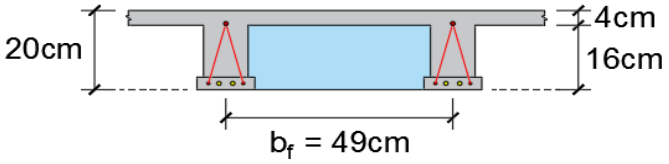
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	fck = 20MPa			fck = 25MPa			fck = 30MPa			fck = 35MPa		
	50	100	150	50	100	150	50	100	150	50	100	150
2,60	-	-	-	-	-	-	-	-	-	-	-	-
2,80	-	-	-	-	-	-	-	-	-	-	-	-
3,00	-	-	-	-	-	-	-	-	-	-	-	-
3,20	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2
3,40	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
3,60	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0
3,80	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø5,0	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
4,00	1Ø4,2	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	1Ø8,0	1Ø4,2	2Ø4,2	1Ø8,0	1Ø4,2	2Ø4,2	1Ø8,0
4,20	1Ø5,0	2Ø5,0	2Ø5,0	1Ø5,0	2Ø5,0	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0
4,40	2Ø5,0	2Ø6,3	2Ø6,3	2Ø5,0	1Ø8,0	2Ø6,3	2Ø5,0	1Ø8,0	2Ø6,3	2Ø5,0	1Ø8,0	2Ø6,3
4,60	1Ø8,0	2Ø8,0	2Ø8,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0
4,80	2Ø8,0	2Ø8,0	2Ø10,0	2Ø6,3	2Ø8,0	2Ø8,0	1Ø8,0	2Ø8,0	2Ø8,0	1Ø8,0	2Ø8,0	2Ø8,0
5,00	2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø6,3	2Ø8,0	2Ø8,0
5,20	2Ø10,0	2Ø10,0		2Ø10,0	2Ø10,0		2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0
5,40							2Ø10,0			2Ø10,0	2Ø10,0	

Laje Treliçada Unidirecional Para Forro LT 20 (16 + 4) - Intereixo = 49cm



Dados: Enchimento em EPS
Treliça TR 16745
Largura das nervuras = 9cm
Peso próprio = 176kgf/m²
Telhado + Forro = 70kgf/m²

Volume de concreto: 0,06388m³ por m²

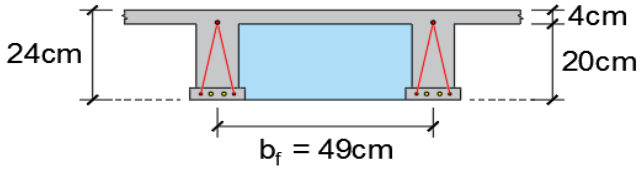
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	fck = 20MPa			fck = 25MPa			fck = 30MPa			fck = 35MPa		
	50	100	150	50	100	150	50	100	150	50	100	150
3,00	-	-	-	-	-	-	-	-	-	-	-	-
3,20	-	-	-	-	-	-	-	-	-	-	-	-
3,40	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2
3,60	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
3,80	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
4,00	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0
4,20	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
4,40	1Ø4,2	2Ø4,2	2Ø5,0	1Ø4,2	2Ø4,2	2Ø5,0	1Ø4,2	2Ø4,2	2Ø5,0	1Ø4,2	2Ø4,2	2Ø5,0
4,60	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0
4,80	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3
5,00	2Ø5,0	1Ø8,0	2Ø6,3	2Ø5,0	1Ø8,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3
5,20	2Ø6,3	2Ø6,3	2Ø8,0	1Ø8,0	2Ø6,3	2Ø8,0	1Ø8,0	2Ø6,3	2Ø8,0	1Ø8,0	2Ø6,3	2Ø8,0
5,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	1Ø8,0	2Ø6,3	2Ø8,0	1Ø8,0	2Ø6,3	2Ø8,0
5,60	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0
5,80	2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø8,0
6,00	2Ø10,0			2Ø10,0	2Ø10,0		2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0
6,20							2Ø10,0			2Ø10,0	2Ø10,0	

Laje Treliçada Unidirecional Para Forro LT 24 (20 + 4) - Intereixo = 49cm



Dados: Enchimento em EPS
Treliça TR 20745
Largura das nervuras = 9cm
Peso próprio = 195kgf/m²
Telhado + Forro = 70kgf/m²

Volume de concreto: 0,07122m³ por m²

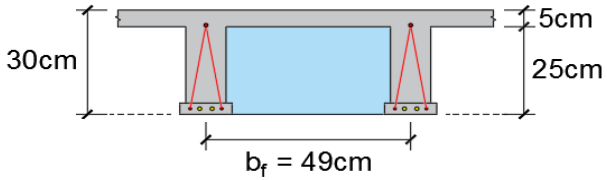
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	fck = 20MPa			fck = 25MPa			fck = 30MPa			fck = 35MPa		
	50	100	150	50	100	150	50	100	150	50	100	150
3,50	-	-	-	-	-	-	-	-	-	-	-	-
3,70	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2
3,90	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
4,10	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2
4,30	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0
4,50	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
4,70	1Ø4,2	2Ø4,2	2Ø5,0	1Ø4,2	2Ø4,2	2Ø5,0	1Ø4,2	2Ø4,2	2Ø5,0	1Ø4,2	2Ø4,2	2Ø5,0
4,90	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0
5,10	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3
5,30	2Ø5,0	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3	2Ø5,0	2Ø5,0	2Ø6,3	2Ø5,0	2Ø5,0	2Ø6,3
5,50	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0
5,70	1Ø8,0	2Ø6,3	2Ø8,0	1Ø8,0	2Ø6,3	2Ø8,0	1Ø8,0	2Ø6,3	2Ø8,0	1Ø8,0	2Ø6,3	2Ø8,0
5,90	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0
6,10	2Ø8,0	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0
6,30	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
6,50	2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0
6,70	2Ø10,0			2Ø10,0	2Ø10,0		2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0
6,90				2Ø10,0			2Ø10,0	2Ø10,0		2Ø8,0	2Ø10,0	2Ø10,0
7,10										2Ø10,0		

Laje Treliçada Unidirecional Para Forro LT 30 (25 + 5) - Intereixo = 49cm



Dados: Enchimento em EPS
Treliça TR 25856
Largura das nervuras = 9cm
Peso próprio = 243kgf/m²
Telhado + Forro = 70kgf/m²

Volume de concreto: 0,09041m³ por m²

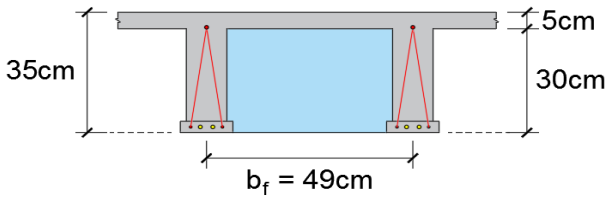
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	fck = 20MPa			fck = 25MPa			fck = 30MPa			fck = 35MPa		
	50	100	150	50	100	150	50	100	150	50	100	150
4,00	-	-	-	-	-	-	-	-	-	-	-	-
4,20	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2
4,40	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2	-	-	1Ø4,2
4,60	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2	-	1Ø4,2	1Ø4,2
4,80	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0
5,00	1Ø4,2	1Ø4,2	2Ø4,2	1Ø4,2	1Ø4,2	2Ø4,2	1Ø4,2	1Ø4,2	2Ø4,2	1Ø4,2	1Ø4,2	2Ø4,2
5,20	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
5,40	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0
5,60	1Ø5,0	2Ø5,0	2Ø5,0	1Ø5,0	2Ø5,0	2Ø5,0	1Ø5,0	2Ø5,0	2Ø5,0	1Ø5,0	2Ø5,0	2Ø5,0
5,80	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3	2Ø4,2	2Ø5,0	2Ø6,3
6,00	2Ø5,0	1Ø8,0	2Ø6,3	2Ø5,0	1Ø8,0	2Ø6,3	2Ø5,0	1Ø8,0	2Ø6,3	2Ø5,0	1Ø8,0	2Ø6,3
6,20	1Ø8,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0
6,40	1Ø8,0	2Ø8,0	2Ø8,0	1Ø8,0	2Ø8,0	2Ø8,0	1Ø8,0	2Ø8,0	2Ø8,0	1Ø8,0	2Ø8,0	2Ø8,0
6,60	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0
6,80	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0
7,00	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0
7,20	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0
7,40	2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0
7,60	2Ø10,0			2Ø10,0	2Ø10,0		2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0
7,80				2Ø10,0			2Ø10,0	2Ø10,0		2Ø8,0	2Ø10,0	2Ø10,0
8,00							2Ø10,0			2Ø10,0	2Ø10,0	

Laje Treliçada Unidirecional Para Forro LT 35 (30 + 5) - Intereixo = 49cm



Dados: Enchimento em EPS
Treliça TR 30856
Largura das nervuras = 9cm
Peso próprio = 267kgf/m²
Telhado + Forro = 70kgf/m²

Volume de concreto: 0,09959m³ por m²

Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

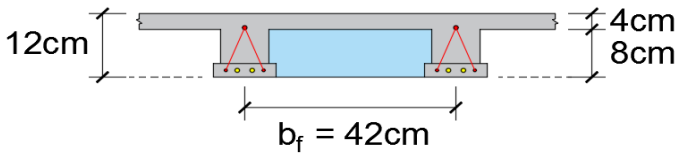
CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	fck = 20MPa			fck = 25MPa			fck = 30MPa			fck = 35MPa		
	50	100	150	50	100	150	50	100	150	50	100	150
5,00	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2
5,20	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0	1Ø4,2	1Ø4,2	1Ø5,0
5,40	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
5,60	1Ø4,2	2Ø4,2	2Ø5,0	1Ø4,2	2Ø4,2	2Ø5,0	1Ø4,2	2Ø4,2	2Ø5,0	1Ø4,2	2Ø4,2	2Ø5,0
5,80	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0
6,00	2Ø4,2	2Ø5,0	1Ø8,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø4,2	2Ø5,0	1Ø8,0
6,20	2Ø5,0	2Ø5,0	2Ø6,3	2Ø5,0	2Ø5,0	2Ø6,3	2Ø5,0	2Ø5,0	2Ø6,3	2Ø5,0	2Ø5,0	2Ø6,3
6,40	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0
6,60	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø5,0	2Ø6,3	2Ø8,0
6,80	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0
7,00	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0
7,20	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
7,40	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0
7,60	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø8,0	2Ø8,0	2Ø10,0
7,80	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0
8,00	2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0
8,20	2Ø10,0	2Ø10,0		2Ø10,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø8,0	2Ø10,0	2Ø10,0
8,40	2Ø10,0			2Ø10,0	2Ø10,0		2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
8,60				2Ø10,0			2Ø10,0	2Ø10,0		2Ø10,0	2Ø10,0	
8,80							2Ø10,0			2Ø10,0	2Ø10,0	
9,00										2Ø10,0		

LAJES PARA PISO COM INTEREIXO DE 42CM

Fck = 20MPa

Laje Treliçada Unidirecional Para Piso LT 12 (8 + 4) - Intereixo = 42cm fck = 20MPa



Dados: Enchimento em EPS
Treliça TR 08644
Largura das nervuras = 9cm
Peso próprio = 144kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 20MPa

Volume de concreto: 0,05071m³ por m²

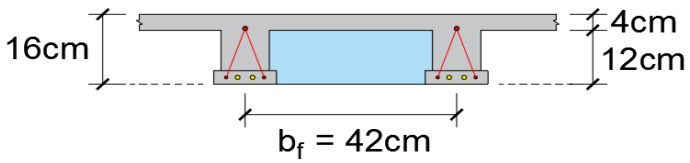
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
1,20	-	-	-	-	-	-	-	-	-	-	-	-
1,40	-	-	-	-	-	-	-	-	-	-	-	-
1,60	-	-	-	-	-	-	-	-	-	-	1Ø4,2	1Ø4,2
1,80	-	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2
2,00	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	
2,20	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2		
2,40	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0			
2,60	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0				
2,80	1Ø4,2	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0					
3,00	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0					
3,20	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0						
3,40	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0						
3,60	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0						
3,80	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0							
4,00	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0								

Laje Treliçada Unidirecional Para Piso LT 16 (12 + 4) - Intereixo = 42cm f_{ck} = 20MPa



Dados: Enchimento em EPS
Treliça TR 12645
Largura das nervuras = 9cm
Peso próprio = 166kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 20MPa

Volume de concreto: 0,05929m³ por m²

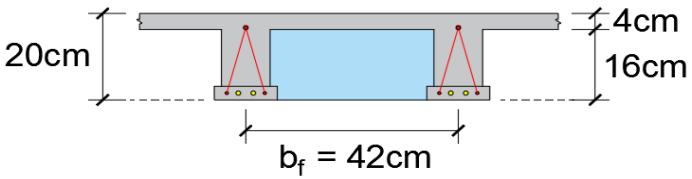
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
2,60	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	
2,80	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2		
3,00	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0			
3,20	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0				
3,40	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0					
3,60	1Ø4,2	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3					
3,80	1Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0					
4,00	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0						
4,20	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0						
4,40	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0							
4,60	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0							
4,80	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0								
5,00	2Ø10,0	2Ø10,0										
5,20												
5,40												

Laje Treliçada Unidirecional Para Piso LT 20 (16 + 4) - Intereixo = 42cm f_{ck} = 20MPa



Dados: Enchimento em EPS
Treliça TR 16745
Largura das nervuras = 9cm
Peso próprio = 188kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 20MPa

Volume de concreto: 0,06786m³ por m²

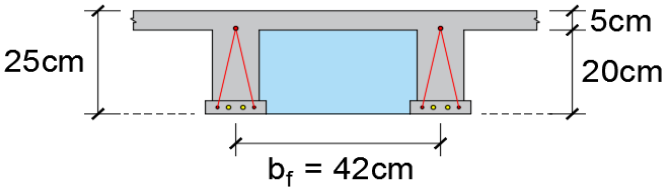
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,00	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2
3,20	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	
3,40	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0		
3,60	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0			
3,80	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3			
4,00	1Ø4,2	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3				
4,20	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0					
4,40	1Ø5,0	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0					
4,60	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0					
4,80	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0						
5,00	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0						
5,20	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0							
5,40	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0							
5,60	2Ø10,0	2Ø10,0	2Ø10,0									
5,80	2Ø10,0											

Laje Treliçada Unidirecional Para Piso LT 25 (20 + 5) - Intereixo = 42cm fck = 20MPa



Dados: Enchimento em EPS
Treliça TR 20745
Largura das nervuras = 9cm
Peso próprio = 235kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 20MPa

Volume de concreto: 0,08643m³ por m²

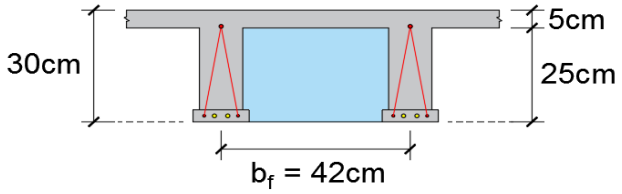
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,50	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
3,70	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	
3,90	-	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3		
4,10	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3			
4,30	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0			
4,50	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0				
4,70	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0				
4,90	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0					
5,10	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0					
5,30	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0						
5,50	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0						
5,70	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0						
5,90	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0							
6,10	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0							
6,30	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5							
6,50	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5								

Laje Treliçada Unidirecional Para Piso LT 30 (25 + 5) - Intereixo = 42cm f_{ck} = 20MPa



Dados: Enchimento em EPS
Treliça TR 25856
Largura das nervuras = 9cm
Peso próprio = 262kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 20MPa

Volume de concreto: 0,09714m³ por m²

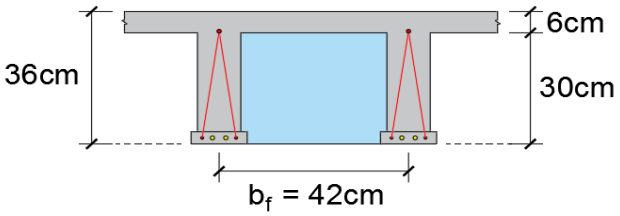
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
4,00	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	
4,20	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0		
4,40	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0		
4,60	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3			
4,80	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3			
5,00	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0				
5,20	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0				
5,40	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0					
5,60	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0					
5,80	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0						
6,00	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0						
6,20	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0							
6,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0							
6,60	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0							
6,80	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0								
7,00	2Ø8,0	2Ø10,0	2Ø10,0	2Ø12,5								
7,20	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5								
7,40	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5								
7,60	2Ø12,5	2Ø12,5	2Ø12,5									

Laje Treliçada Unidirecional Para Piso LT 36 (30 + 6) - Intereixo = 42cm f_{ck} = 20MPa



Dados: Enchimento em EPS
Treliça TR 30856
Largura das nervuras = 9cm
Peso próprio = 315kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 20MPa

Volume de concreto: 0,10786m³ por m²

Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

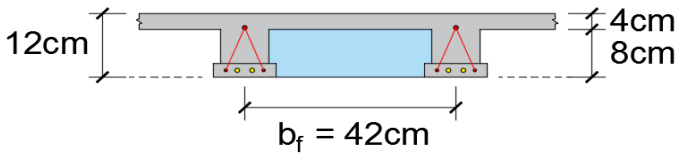
CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
5,00	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3			
5,20	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3				
5,40	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0				
5,60	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0					
5,80	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0					
6,00	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0						
6,20	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0						
6,40	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0						
6,60	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0							
6,80	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0							
7,00	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0								
7,20	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0								
7,40	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0								
7,60	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0								
7,80	2Ø8,0	2Ø10,0	2Ø10,0									
8,00	2Ø10,0	2Ø10,0	2Ø12,5									
8,20	2Ø12,5	2Ø12,5	2Ø12,5									
8,40	2Ø12,5	2Ø12,5	2Ø12,5									
8,60	2Ø12,5											

LAJES PARA PISO COM INTEREIXO DE 42CM

Fck = 25MPa

Laje Treliçada Unidirecional Para Piso LT 12 (8 + 4) - Intereixo = 42cm fck = 25MPa



Dados: Enchimento em EPS
Treliça TR 08644
Largura das nervuras = 9cm
Peso próprio = 144kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 25MPa

Volume de concreto: 0,05071m³ por m²

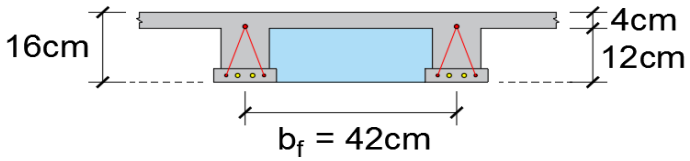
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
1,20	-	-	-	-	-	-	-	-	-	-	-	-
1,40	-	-	-	-	-	-	-	-	-	-	-	-
1,60	-	-	-	-	-	-	-	-	-	-	1Ø4,2	1Ø4,2
1,80	-	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2
2,00	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2
2,20	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
2,40	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3
2,60	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	
2,80	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	
3,00	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0		
3,20	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0		
3,40	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0			
3,60	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0			
3,80	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5			
4,00	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				

Laje Treliçada Unidirecional Para Piso LT 16 (12 + 4) - Intereixo = 42cm f_{ck} = 25MPa



Dados: Enchimento em EPS
Treliça TR 12645
Largura das nervuras = 9cm
Peso próprio = 166kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 25MPa

Volume de concreto: 0,05929m³ por m²

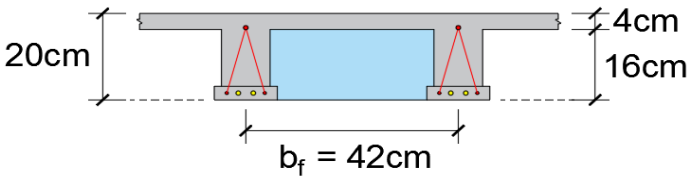
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
2,60	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2
2,80	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0
3,00	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3
3,20	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	
3,40	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	
3,60	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0		
3,80	1Ø4,2	1Ø5,0	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0		
4,00	1Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0			
4,20	2Ø4,2	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0			
4,40	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0				
4,60	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5				
4,80	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				
5,00	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5					
5,20	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5								
5,40	2Ø12,5											

Laje Treliçada Unidirecional Para Piso LT 20 (16 + 4) - Intereixo = 42cm f_{ck} = 25MPa



Dados: Enchimento em EPS
Treliça TR 16745
Largura das nervuras = 9cm
Peso próprio = 188kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 25MPa

Volume de concreto: 0,06786m³ por m²

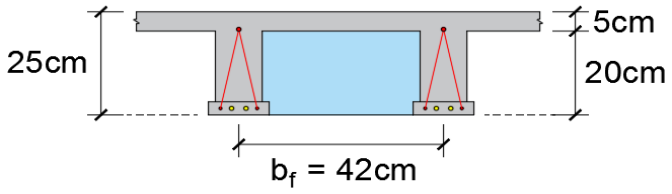
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,00	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2
3,20	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
3,40	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3
3,60	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0
3,80	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
4,00	1Ø4,2	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	
4,20	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	
4,40	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0		
4,60	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0		
4,80	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0			
5,00	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0			
5,20	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5				
5,40	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5				
5,60	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				
5,80	2Ø10,0											

Laje Treliçada Unidirecional Para Piso LT 25 (20 + 5) - Intereixo = 42cm fck = 25MPa



Dados: Enchimento em EPS
Treliça TR 20745
Largura das nervuras = 9cm
Peso próprio = 235kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 25MPa

Volume de concreto: 0,08643m³ por m²

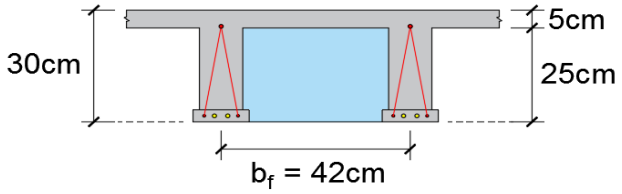
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,50	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
3,70	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3
3,90	-	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø6,3
4,10	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0
4,30	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
4,50	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	
4,70	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	
4,90	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0		
5,10	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0		
5,30	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0			
5,50	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0			
5,70	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0				
5,90	2Ø6,3	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0				
6,10	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5				
6,30	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				
6,50	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5					

Laje Treliçada Unidirecional Para Piso LT 30 (25 + 5) - Intereixo = 42cm f_{ck} = 25MPa



Dados: Enchimento em EPS
Treliça TR 25856
Largura das nervuras = 9cm
Peso próprio = 262kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 25MPa

Volume de concreto: 0,09714m³ por m²

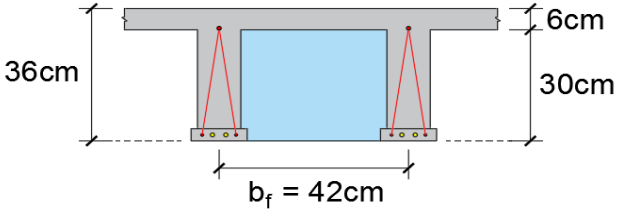
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
4,00	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
4,20	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	1Ø8,0
4,40	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3
4,60	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0
4,80	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
5,00	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	
5,20	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	
5,40	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0		
5,60	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0		
5,80	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0			
6,00	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0			
6,20	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0				
6,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0				
6,60	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0				
6,80	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0					
7,00	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5					
7,20	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5					
7,40	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5						
7,60	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5							

Laje Treliçada Unidirecional Para Piso LT 36 (30 + 6) - Intereixo = 42cm f_{ck} = 25MPa



Dados: Enchimento em EPS
Treliça TR 30856
Largura das nervuras = 9cm
Peso próprio = 315kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 25MPa

Volume de concreto: 0,10786m³ por m²

Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

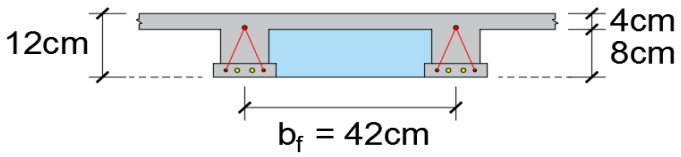
CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
5,00	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
5,20	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
5,40	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	
5,60	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0		
5,80	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0		
6,00	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0			
6,20	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0			
6,40	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0				
6,60	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0				
6,80	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0				
7,00	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0					
7,20	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0					
7,40	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0						
7,60	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5						
7,80	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5						
8,00	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5							
8,20	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5							
8,40	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5								
8,60	2Ø12,5	2Ø12,5	2Ø12,5									

LAJES PARA PISO COM INTEREIXO DE 42CM

Fck = 30MPa

Laje Treliçada Unidirecional Para Piso LT 12 (8 + 4) - Intereixo = 42cm fck = 30MPa



Dados: Enchimento em EPS
Treliça TR 08644
Largura das nervuras = 9cm
Peso próprio = 144kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 30MPa

Volume de concreto: 0,05071m³ por m²

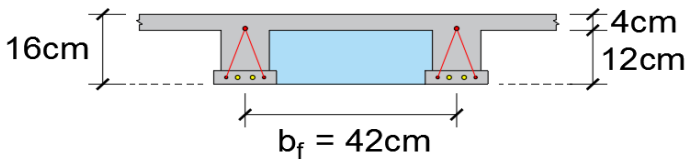
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
1,20	-	-	-	-	-	-	-	-	-	-	-	-
1,40	-	-	-	-	-	-	-	-	-	-	-	-
1,60	-	-	-	-	-	-	-	-	-	-	1Ø4,2	1Ø4,2
1,80	-	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2
2,00	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2
2,20	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
2,40	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3
2,60	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0
2,80	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
3,00	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0
3,20	2Ø4,2	2Ø4,2	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0
3,40	2Ø4,2	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
3,60	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5
3,80	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	
4,00	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5			

Laje Treliçada Unidirecional Para Piso LT 16 (12 + 4) - Intereixo = 42cm f_{ck} = 30MPa



Dados: Enchimento em EPS
Treliça TR 12645
Largura das nervuras = 9cm
Peso próprio = 166kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 30MPa

Volume de concreto: 0,05929m³ por m²

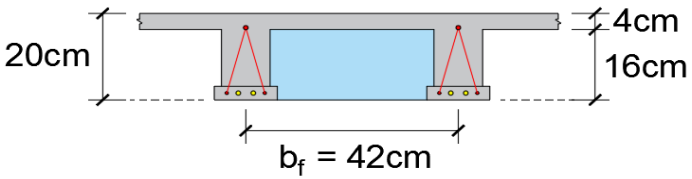
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
2,60	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2
2,80	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0
3,00	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3
3,20	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0
3,40	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
3,60	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
3,80	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0
4,00	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0
4,20	2Ø4,2	1Ø8,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
4,40	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	
4,60	2Ø6,3	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	
4,80	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	
5,00	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5					
5,20	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5								
5,40	2Ø12,5	2Ø12,5										

Laje Treliçada Unidirecional Para Piso LT 20 (16 + 4) - Intereixo = 42cm f_{ck} = 30MPa



Dados: Enchimento em EPS
Treliça TR 16745
Largura das nervuras = 9cm
Peso próprio = 188kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 30MPa

Volume de concreto: 0,06786m³ por m²

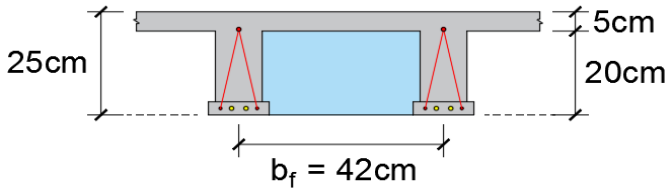
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,00	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2
3,20	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
3,40	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3
3,60	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0
3,80	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
4,00	1Ø4,2	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
4,20	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0
4,40	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0
4,60	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
4,80	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
5,00	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5
5,20	1Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	
5,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	
5,60	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5		
5,80	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5					

Laje Treliçada Unidirecional Para Piso LT 25 (20 + 5) - Intereixo = 42cm fck = 30MPa



Dados: Enchimento em EPS
Treliça TR 20745
Largura das nervuras = 9cm
Peso próprio = 235kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 30MPa

Volume de concreto: 0,08643m³ por m²

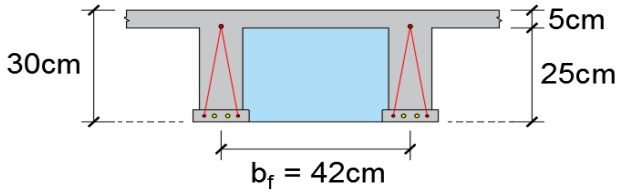
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,50	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
3,70	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3
3,90	-	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø6,3
4,10	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0
4,30	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
4,50	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
4,70	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0
4,90	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
5,10	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
5,30	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
5,50	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5
5,70	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	
5,90	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	
6,10	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5		
6,30	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5		
6,50	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				

Laje Treliçada Unidirecional Para Piso LT 30 (25 + 5) - Intereixo = 42cm f_{ck} = 30MPa



Dados: Enchimento em EPS
Treliça TR 25856
Largura das nervuras = 9cm
Peso próprio = 262kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 30MPa

Volume de concreto: 0,09714m³ por m²

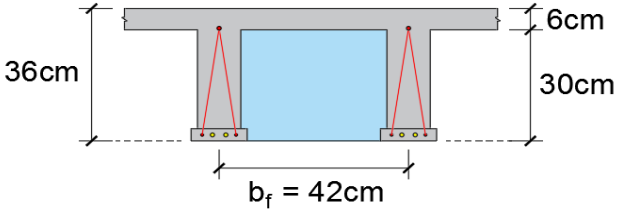
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
4,00	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
4,20	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	1Ø8,0
4,40	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3
4,60	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0
4,80	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
5,00	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
5,20	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0
5,40	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0
5,60	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
5,80	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
6,00	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	
6,20	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	
6,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	
6,60	2Ø6,3	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5		
6,80	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5		
7,00	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5		
7,20	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5			
7,40	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				
7,60	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5						

Laje Treliçada Unidirecional Para Piso LT 36 (30 + 6) - Intereixo = 42cm f_{ck} = 30MPa



Dados: Enchimento em EPS
Treliça TR 30856
Largura das nervuras = 9cm
Peso próprio = 315kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 30MPa

Volume de concreto: 0,10786m³ por m²

Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

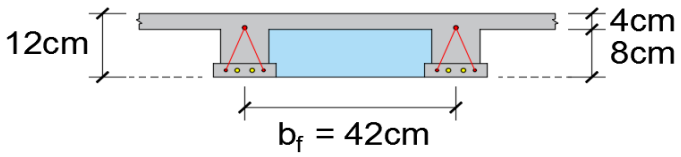
CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
5,00	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
5,20	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
5,40	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
5,60	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0
5,80	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0
6,00	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
6,20	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
6,40	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	
6,60	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	
6,80	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5		
7,00	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5		
7,20	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5			
7,40	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5			
7,60	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5			
7,80	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				
8,00	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				
8,20	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				
8,40	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5						
8,60	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5								

LAJES PARA PISO COM INTEREIXO DE 42CM

Fck = 35MPa

Laje Treliçada Unidirecional Para Piso LT 12 (8 + 4) - Intereixo = 42cm fck = 35MPa



Dados: Enchimento em EPS
Treliça TR 08644
Largura das nervuras = 9cm
Peso próprio = 144kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 35MPa

Volume de concreto: 0,05071m³ por m²

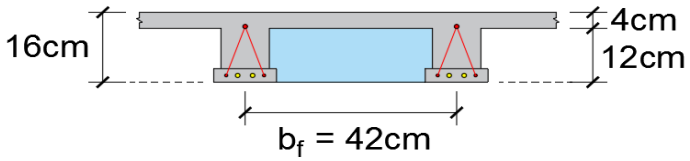
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
1,20	-	-	-	-	-	-	-	-	-	-	-	-
1,40	-	-	-	-	-	-	-	-	-	-	-	-
1,60	-	-	-	-	-	-	-	-	-	-	1Ø4,2	1Ø4,2
1,80	-	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2
2,00	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2
2,20	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
2,40	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3
2,60	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0
2,80	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
3,00	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0
3,20	2Ø4,2	2Ø4,2	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0
3,40	2Ø4,2	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
3,60	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5
3,80	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5
4,00	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5			

Laje Treliçada Unidirecional Para Piso LT 16 (12 + 4) - Intereixo = 42cm f_{ck} = 35MPa



Dados: Enchimento em EPS
Treliça TR 12645
Largura das nervuras = 9cm
Peso próprio = 166kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 35MPa

Volume de concreto: 0,05929m³ por m²

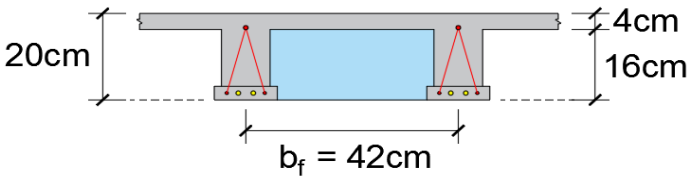
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
2,60	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2
2,80	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0
3,00	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3
3,20	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0
3,40	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
3,60	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
3,80	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0
4,00	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0
4,20	2Ø4,2	1Ø8,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
4,40	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5
4,60	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5
4,80	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5
5,00	2Ø8,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				
5,20	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5							
5,40	2Ø12,5	2Ø12,5										

Laje Treliçada Unidirecional Para Piso LT 20 (16 + 4) - Intereixo = 42cm f_{ck} = 35MPa



Dados: Enchimento em EPS
Treliça TR 16745
Largura das nervuras = 9cm
Peso próprio = 188kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 35MPa

Volume de concreto: 0,06786m³ por m²

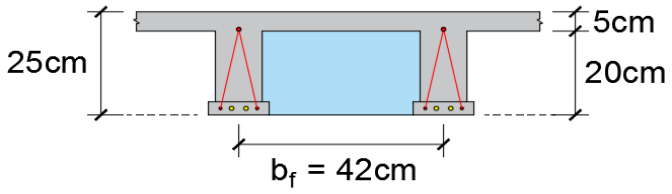
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,00	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2
3,20	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
3,40	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3
3,60	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0
3,80	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
4,00	1Ø4,2	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
4,20	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0
4,40	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0
4,60	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
4,80	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
5,00	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5
5,20	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5
5,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5
5,60	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	
5,80	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				

Laje Treliçada Unidirecional Para Piso LT 25 (20 + 5) - Intereixo = 42cm fck = 35MPa



Dados: Enchimento em EPS
Treliça TR 20745
Largura das nervuras = 9cm
Peso próprio = 235kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 35MPa

Volume de concreto: 0,08643m³ por m²

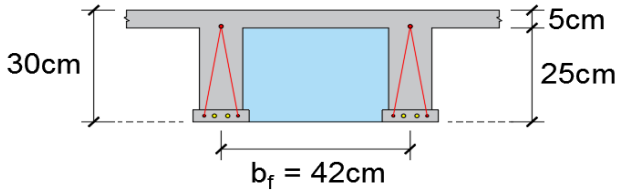
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,50	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
3,70	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3
3,90	-	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø6,3
4,10	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0
4,30	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
4,50	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
4,70	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0
4,90	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
5,10	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
5,30	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
5,50	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5
5,70	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5
5,90	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5
6,10	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5
6,30	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5
6,50	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5		

Laje Treliçada Unidirecional Para Piso LT 30 (25 + 5) - Intereixo = 42cm f_{ck} = 35MPa



Dados: Enchimento em EPS
Treliça TR 25856
Largura das nervuras = 9cm
Peso próprio = 262kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 35MPa

Volume de concreto: 0,09714m³ por m²

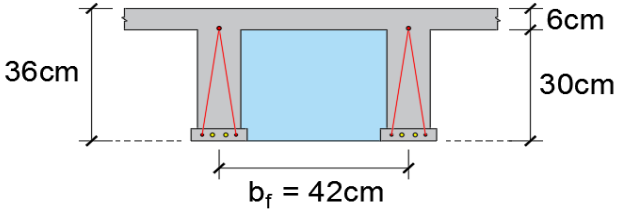
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
4,00	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
4,20	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	1Ø8,0
4,40	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3
4,60	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0
4,80	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
5,00	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
5,20	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0
5,40	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0
5,60	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
5,80	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
6,00	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5
6,20	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5
6,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5
6,60	2Ø6,3	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5
6,80	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5
7,00	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5
7,20	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	
7,40	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5			
7,60	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5					

Laje Treliçada Unidirecional Para Piso LT 36 (30 + 6) - Intereixo = 42cm f_{ck} = 35MPa



Dados: Enchimento em EPS
Treliça TR 30856
Largura das nervuras = 9cm
Peso próprio = 315kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 35MPa

Volume de concreto: 0,10786m³ por m²

Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

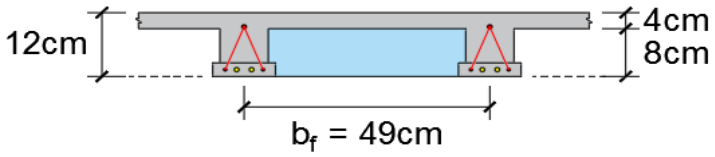
CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
5,00	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
5,20	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
5,40	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
5,60	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0
5,80	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0
6,00	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
6,20	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
6,40	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5
6,60	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5
6,80	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5
7,00	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5
7,20	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5
7,40	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5
7,60	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	
7,80	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5		
8,00	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5			
8,20	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				
8,40	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5					
8,60	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5							

LAJES PARA PISO COM INTEREIXO DE 49CM

Fck = 20MPa

Laje Treliçada Unidirecional Para Piso LT 12 (8 + 4) - Intereixo = 49cm fck = 20MPa



Dados: Enchimento em EPS
Treliça TR 08644
Largura das nervuras = 9cm
Peso próprio = 138kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 20MPa

Volume de concreto: 0,04918m³ por m²

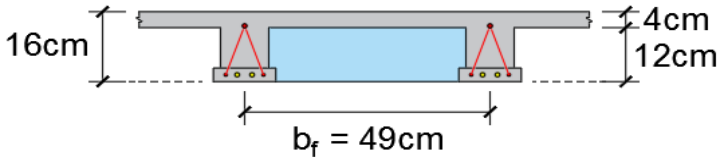
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
1,20	-	-	-	-	-	-	-	-	-	-	-	-
1,40	-	-	-	-	-	-	-	-	-	-	-	-
1,60	-	-	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2
1,80	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2		
2,00	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0				
2,20	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2					
2,40	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2						
2,60	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0							
2,80	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0							
3,00	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3							
3,20	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0								
3,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0								
3,60	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0								
3,80	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5								
4,00	2Ø10,0	2Ø12,5	2Ø12,5									

Laje Treliçada Unidirecional Para Piso LT 16 (12 + 4) - Intereixo = 49cm f_{ck} = 20MPa



Dados: Enchimento em EPS
Treliça TR 12645
Largura das nervuras = 9cm
Peso próprio = 157kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 20MPa

Volume de concreto: 0,05653m³ por m²

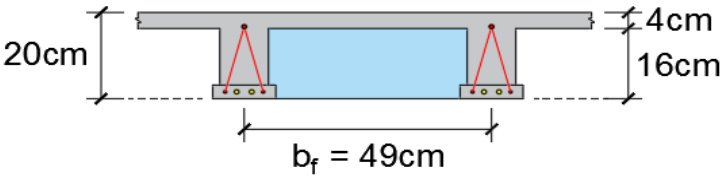
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
2,60	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0				
2,80	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2					
3,00	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2						
3,20	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0						
3,40	1Ø4,2	1Ø5,0	2Ø5,0	2Ø5,0	2Ø5,0							
3,60	1Ø5,0	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3							
3,80	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0							
4,00	2Ø6,3	2Ø6,3	2Ø6,3	2Ø8,0								
4,20	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0								
4,40	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0								
4,60	2Ø10,0	2Ø10,0	2Ø10,0									
4,80	2Ø10,0	2Ø10,0	2Ø12,5									
5,00	2Ø12,5	2Ø12,5	2Ø12,5									
5,20	2Ø12,5											
5,40												

Laje Treliçada Unidirecional Para Piso LT 20 (16 + 4) - Intereixo = 49cm f_{ck} = 20MPa



Dados: Enchimento em EPS
Treliça TR 16745
Largura das nervuras = 9cm
Peso próprio = 176kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 20MPa

Volume de concreto: 0,06388m³ por m²

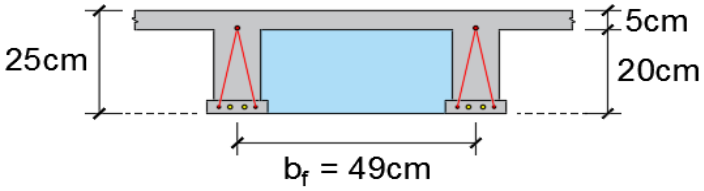
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,00	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2			
3,20	-	-	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0				
3,40	-	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0					
3,60	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0					
3,80	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3						
4,00	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0						
4,20	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3							
4,40	2Ø4,2	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0							
4,60	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0							
4,80	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0								
5,00	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0								
5,20	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0								
5,40	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5								
5,60	2Ø10,0	2Ø12,5	2Ø12,5									
5,80	2Ø12,5	2Ø12,5	2Ø12,5									

Laje Treliçada Unidirecional Para Piso LT 25 (20 + 5) - Intereixo = 49cm fck = 20MPa



Dados: Enchimento em EPS
Treliça TR 20745
Largura das nervuras = 9cm
Peso próprio = 220kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 20MPa

Volume de concreto: 0,08122m³ por m²

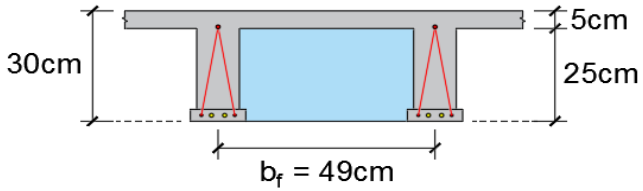
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,50	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0			
3,70	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0				
3,90	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0					
4,10	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3					
4,30	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3						
4,50	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0						
4,70	2Ø4,2	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0							
4,90	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0							
5,10	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0							
5,30	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0								
5,50	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0								
5,70	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0								
5,90	2Ø8,0	2Ø10,0	2Ø10,0									
6,10	2Ø10,0	2Ø10,0	2Ø10,0									
6,30	2Ø10,0	2Ø12,5	2Ø12,5									
6,50	2Ø12,5	2Ø12,5	2Ø12,5									

Laje Treliçada Unidirecional Para Piso LT 30 (25 + 5) - Intereixo = 49cm f_{ck} = 20MPa



Dados: Enchimento em EPS
Treliça TR 25856
Largura das nervuras = 9cm
Peso próprio = 243kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 20MPa

Volume de concreto: 0,09041m³ por m²

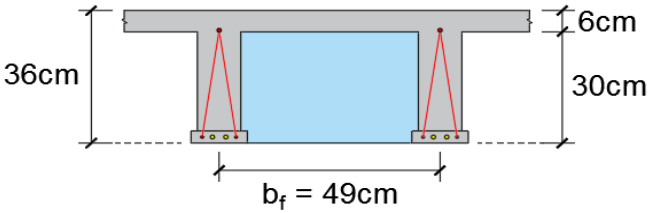
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
4,00	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2				
4,20	-	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0				
4,40	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0					
4,60	1Ø4,2	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3					
4,80	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3						
5,00	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0						
5,20	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0							
5,40	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0							
5,60	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0							
5,80	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0								
6,00	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0								
6,20	2Ø6,3	2Ø8,0	2Ø8,0	2Ø10,0								
6,40	2Ø8,0	2Ø8,0	2Ø8,0									
6,60	2Ø8,0	2Ø8,0	2Ø10,0									
6,80	2Ø8,0	2Ø10,0	2Ø10,0									
7,00	2Ø10,0	2Ø10,0	2Ø10,0									
7,20	2Ø10,0	2Ø12,5										
7,40	2Ø12,5	2Ø12,5										
7,60	2Ø12,5											

Laje Treliçada Unidirecional Para Piso LT 36 (30 + 6) - Intereixo = 49cm f_{ck} = 20MPa



Dados: Enchimento em EPS
Treliça TR 30856
Largura das nervuras = 9cm
Peso próprio = 292kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 20MPa

Volume de concreto: 0,10959m³ por m²

Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

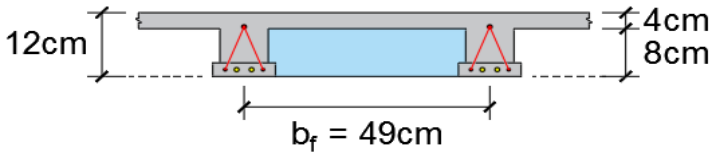
CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
5,00	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3					
5,20	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3						
5,40	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0						
5,60	2Ø4,2	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0							
5,80	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0							
6,00	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0								
6,20	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0								
6,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0								
6,60	2Ø8,0	2Ø8,0	2Ø8,0									
6,80	2Ø8,0	2Ø8,0	2Ø10,0									
7,00	2Ø8,0	2Ø8,0	2Ø10,0									
7,20	2Ø8,0	2Ø10,0	2Ø10,0									
7,40	2Ø8,0	2Ø10,0										
7,60	2Ø10,0	2Ø10,0										
7,80	2Ø10,0	2Ø10,0										
8,00	2Ø12,5	2Ø12,5										
8,20	2Ø12,5											
8,40												
8,60												

LAJES PARA PISO COM INTEREIXO DE 49CM

Fck = 25MPa

Laje Treliçada Unidirecional Para Piso LT 12 (8 + 4) - Intereixo = 49cm fck = 25MPa



Dados: Enchimento em EPS
Treliça TR 08644
Largura das nervuras = 9cm
Peso próprio = 138kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 25MPa

Volume de concreto: 0,04918m³ por m²

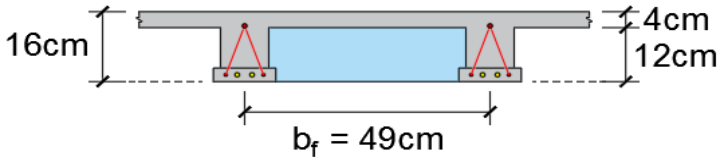
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
1,20	-	-	-	-	-	-	-	-	-	-	-	-
1,40	-	-	-	-	-	-	-	-	-	-	-	-
1,60	-	-	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2
1,80	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
2,00	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø4,2	
2,20	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0		
2,40	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3			
2,60	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3				
2,80	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0				
3,00	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0					
3,20	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0					
3,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0					
3,60	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0					
3,80	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5						
4,00	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5						

Laje Treliçada Unidirecional Para Piso LT 16 (12 + 4) - Intereixo = 49cm f_{ck} = 25MPa



Dados: Enchimento em EPS
Treliça TR 12645
Largura das nervuras = 9cm
Peso próprio = 157kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 25MPa

Volume de concreto: 0,05653m³ por m²

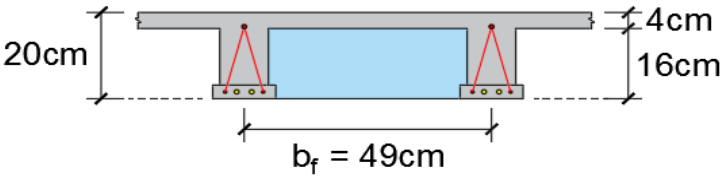
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
2,60	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2		
2,80	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0		
3,00	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3			
3,20	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3			
3,40	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0				
3,60	1Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0				
3,80	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0					
4,00	2Ø6,3	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0					
4,20	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0						
4,40	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0						
4,60	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5						
4,80	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5						
5,00	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5								
5,20	2Ø12,5	2Ø12,5										
5,40												

Laje Treliçada Unidirecional Para Piso LT 20 (16 + 4) - Intereixo = 49cm f_{ck} = 25MPa



Dados: Enchimento em EPS
Treliça TR 16745
Largura das nervuras = 9cm
Peso próprio = 176kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 25MPa

Volume de concreto: 0,06388m³ por m²

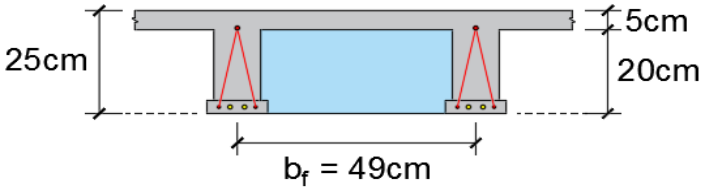
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,00	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3
3,20	-	-	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3	
3,40	-	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	
3,60	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0		
3,80	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0			
4,00	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0				
4,20	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0				
4,40	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0				
4,60	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0					
4,80	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0					
5,00	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0						
5,20	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0						
5,40	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5						
5,60	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5						
5,80	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5								

Laje Treliçada Unidirecional Para Piso LT 25 (20 + 5) - Intereixo = 49cm fck = 25MPa



Dados: Enchimento em EPS
Treliça TR 20745
Largura das nervuras = 9cm
Peso próprio = 220kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 25MPa

Volume de concreto: 0,08122m³ por m²

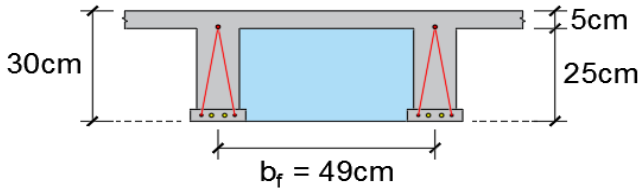
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,50	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3
3,70	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø6,3	
3,90	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0		
4,10	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0		
4,30	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0			
4,50	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0				
4,70	2Ø4,2	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0					
4,90	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0					
5,10	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0					
5,30	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0					
5,50	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0						
5,70	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0						
5,90	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5						
6,10	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5							
6,30	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5							
6,50	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5								

Laje Treliçada Unidirecional Para Piso LT 30 (25 + 5) - Intereixo = 49cm f_{ck} = 25MPa



Dados: Enchimento em EPS
Treliça TR 25856
Largura das nervuras = 9cm
Peso próprio = 243kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 25MPa

Volume de concreto: 0,09041m³ por m²

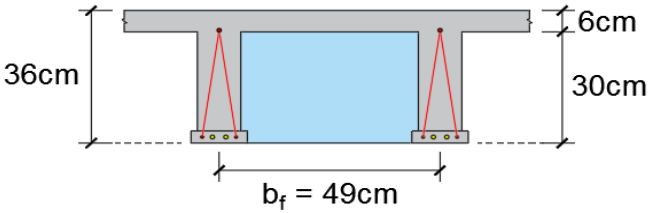
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
4,00	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3
4,20	-	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	
4,40	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0		
4,60	1Ø4,2	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0			
4,80	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0			
5,00	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0				
5,20	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0				
5,40	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0					
5,60	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0					
5,80	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0					
6,00	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0						
6,20	2Ø6,3	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0						
6,40	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0						
6,60	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0							
6,80	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0							
7,00	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5							
7,20	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5							
7,40	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5								
7,60	2Ø12,5	2Ø12,5										

Laje Treliçada Unidirecional Para Piso LT 36 (30 + 6) - Intereixo = 49cm f_{ck} = 25MPa



Dados: Enchimento em EPS
Treliça TR 30856
Largura das nervuras = 9cm
Peso próprio = 292kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 25MPa

Volume de concreto: 0,10959m³ por m²

Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

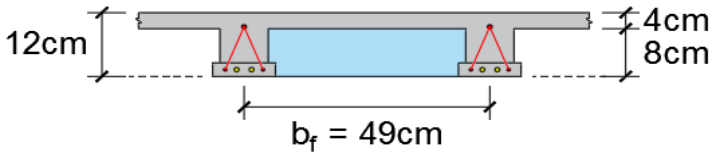
CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
5,00	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0		
5,20	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0			
5,40	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0				
5,60	2Ø4,2	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0				
5,80	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0					
6,00	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0					
6,20	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0						
6,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0						
6,60	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0						
6,80	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0							
7,00	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0							
7,20	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0							
7,40	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0								
7,60	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5								
7,80	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5								
8,00	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5								
8,20	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5								
8,40	2Ø12,5	2Ø12,5										
8,60	2Ø12,5											

LAJES PARA PISO COM INTEREIXO DE 49CM

Fck = 30MPa

Laje Treliçada Unidirecional Para Piso LT 12 (8 + 4) - Intereixo = 49cm fck = 30MPa



Dados: Enchimento em EPS
Treliça TR 08644
Largura das nervuras = 9cm
Peso próprio = 138kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 30MPa

Volume de concreto: 0,04918m³ por m²

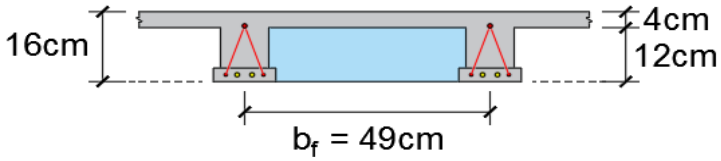
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
1,20	-	-	-	-	-	-	-	-	-	-	-	-
1,40	-	-	-	-	-	-	-	-	-	-	-	-
1,60	-	-	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2
1,80	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
2,00	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0
2,20	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3
2,40	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	
2,60	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	
2,80	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0		
3,00	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0		
3,20	2Ø5,0	2Ø6,3	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0		
3,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0		
3,60	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5			
3,80	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5			
4,00	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5						

Laje Treliçada Unidirecional Para Piso LT 16 (12 + 4) - Intereixo = 49cm f_{ck} = 30MPa



Dados: Enchimento em EPS
Treliça TR 12645
Largura das nervuras = 9cm
Peso próprio = 157kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 30MPa

Volume de concreto: 0,05653m³ por m²

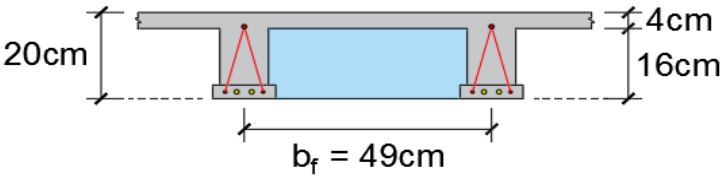
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
2,60	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
2,80	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3
3,00	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø6,3	2Ø8,0
3,20	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	
3,40	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0		
3,60	1Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0		
3,80	1Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0		
4,00	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0			
4,20	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0			
4,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5			
4,60	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5			
4,80	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				
5,00	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5								
5,20	2Ø12,5	2Ø12,5										
5,40												

Laje Treliçada Unidirecional Para Piso LT 20 (16 + 4) - Intereixo = 49cm f_{ck} = 30MPa



Dados: Enchimento em EPS
Treliça TR 16745
Largura das nervuras = 9cm
Peso próprio = 176kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 30MPa

Volume de concreto: 0,06388m³ por m²

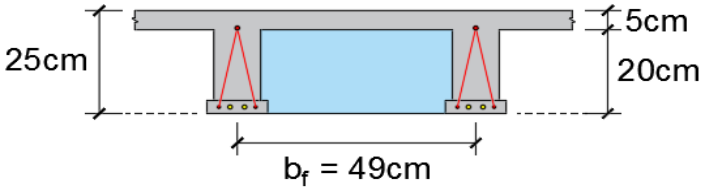
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,00	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3
3,20	-	-	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3
3,40	-	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0
3,60	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
3,80	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0
4,00	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	
4,20	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	
4,40	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0		
4,60	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0		
4,80	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0			
5,00	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5			
5,20	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5			
5,40	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5			
5,60	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5					
5,80	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5								

Laje Treliçada Unidirecional Para Piso LT 25 (20 + 5) - Intereixo = 49cm fck = 30MPa



Dados: Enchimento em EPS
Treliça TR 20745
Largura das nervuras = 9cm
Peso próprio = 220kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 30MPa

Volume de concreto: 0,08122m³ por m²

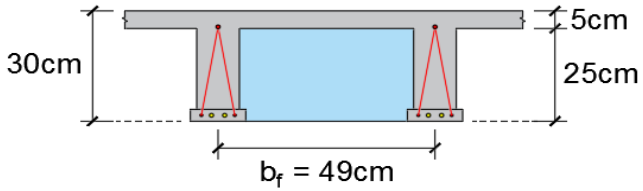
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,50	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3
3,70	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø6,3	2Ø8,0
3,90	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
4,10	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
4,30	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0
4,50	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	
4,70	2Ø4,2	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	
4,90	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0		
5,10	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0		
5,30	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0			
5,50	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5			
5,70	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5				
5,90	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5				
6,10	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5				
6,30	2Ø8,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5					
6,50	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5							

Laje Treliçada Unidirecional Para Piso LT 30 (25 + 5) - Intereixo = 49cm fck = 30MPa



Dados: Enchimento em EPS
Treliça TR 25856
Largura das nervuras = 9cm
Peso próprio = 243kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 30MPa

Volume de concreto: 0,09041m³ por m²

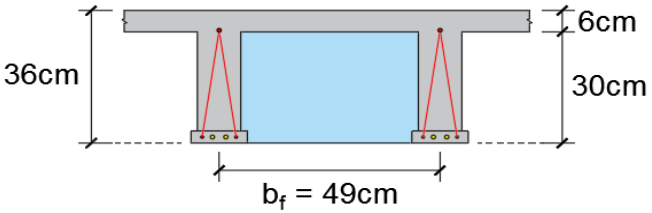
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
4,00	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3
4,20	-	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0
4,40	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
4,60	1Ø4,2	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
4,80	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	
5,00	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	
5,20	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0		
5,40	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0		
5,60	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0			
5,80	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0			
6,00	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5			
6,20	2Ø6,3	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5				
6,40	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5				
6,60	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5				
6,80	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5					
7,00	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5					
7,20	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5					
7,40	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5							
7,60	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5								

Laje Treliçada Unidirecional Para Piso LT 36 (30 + 6) - Intereixo = 49cm f_{ck} = 30MPa



Dados: Enchimento em EPS
Treliça TR 30856
Largura das nervuras = 9cm
Peso próprio = 292kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 30MPa

Volume de concreto: 0,10959m³ por m²

Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

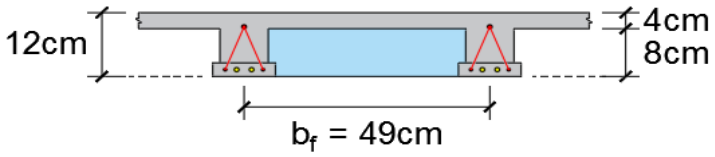
CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
5,00	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
5,20	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0
5,40	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	
5,60	2Ø4,2	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	
5,80	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0		
6,00	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0		
6,20	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0			
6,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0			
6,60	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0				
6,80	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5				
7,00	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5					
7,20	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5					
7,40	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5					
7,60	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5					
7,80	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5						
8,00	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5						
8,20	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5							
8,40	2Ø12,5	2Ø12,5	2Ø12,5									
8,60	2Ø12,5	2Ø12,5										

LAJES PARA PISO COM INTEREIXO DE 49CM

Fck = 35MPa

Laje Treliçada Unidirecional Para Piso LT 12 (8 + 4) - Intereixo = 49cm fck = 35MPa



Dados: Enchimento em EPS
Treliça TR 08644
Largura das nervuras = 9cm
Peso próprio = 138kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 35MPa

Volume de concreto: 0,04918m³ por m²

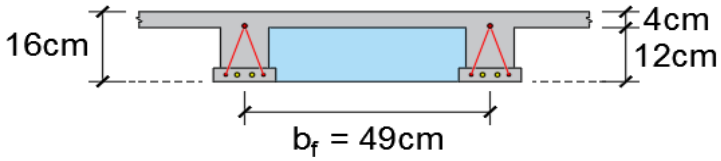
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
1,20	-	-	-	-	-	-	-	-	-	-	-	-
1,40	-	-	-	-	-	-	-	-	-	-	-	-
1,60	-	-	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2
1,80	-	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2
2,00	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0
2,20	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3
2,40	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0
2,60	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
2,80	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0
3,00	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0
3,20	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
3,40	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5
3,60	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	
3,80	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5		
4,00	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5						

Laje Treliçada Unidirecional Para Piso LT 16 (12 + 4) - Intereixo = 49cm f_{ck} = 35MPa



Dados: Enchimento em EPS
Treliça TR 12645
Largura das nervuras = 9cm
Peso próprio = 157kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 35MPa

Volume de concreto: 0,05653m³ por m²

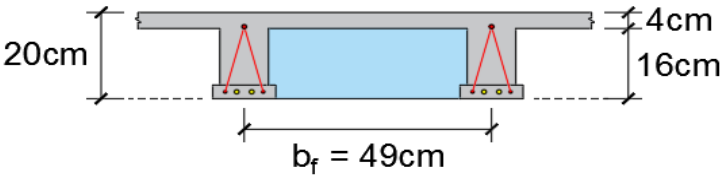
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR											
	Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
2,60	-	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0
2,80	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3
3,00	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø6,3	2Ø8,0
3,20	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
3,40	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0
3,60	1Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0
3,80	1Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
4,00	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5
4,20	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5
4,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5
4,60	2Ø6,3	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	
4,80	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				
5,00	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5								
5,20	2Ø12,5	2Ø12,5										
5,40	2Ø12,5											

Laje Treliçada Unidirecional Para Piso LT 20 (16 + 4) - Intereixo = 49cm f_{ck} = 35MPa



Dados: Enchimento em EPS
Treliça TR 16745
Largura das nervuras = 9cm
Peso próprio = 176kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 35MPa

Volume de concreto: 0,06388m³ por m²

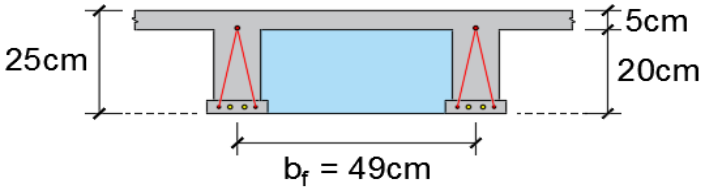
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,00	-	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3
3,20	-	-	1Ø4,2	1Ø4,2	1Ø5,0	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3
3,40	-	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0
3,60	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
3,80	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0
4,00	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0
4,20	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
4,40	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
4,60	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5
4,80	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5
5,00	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5
5,20	2Ø6,3	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	
5,40	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	
5,60	2Ø8,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				
5,80	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5							

Laje Treliçada Unidirecional Para Piso LT 25 (20 + 5) - Intereixo = 49cm fck = 35MPa



Dados: Enchimento em EPS
Treliça TR 20745
Largura das nervuras = 9cm
Peso próprio = 220kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 35MPa

Volume de concreto: 0,08122m³ por m²

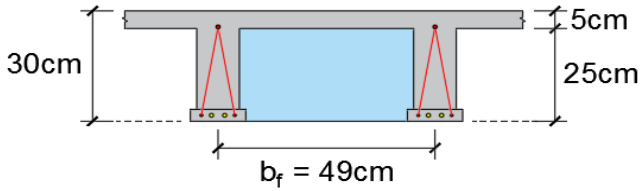
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
3,50	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3
3,70	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø6,3	2Ø8,0
3,90	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
4,10	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
4,30	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0
4,50	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0
4,70	2Ø4,2	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
4,90	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
5,10	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5
5,30	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5
5,50	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5
5,70	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	
5,90	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	
6,10	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5		
6,30	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5				
6,50	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5						

Laje Treliçada Unidirecional Para Piso LT 30 (25 + 5) - Intereixo = 49cm f_{ck} = 35MPa



Dados: Enchimento em EPS
Treliça TR 25856
Largura das nervuras = 9cm
Peso próprio = 243kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 35MPa

Volume de concreto: 0,09041m³ por m²

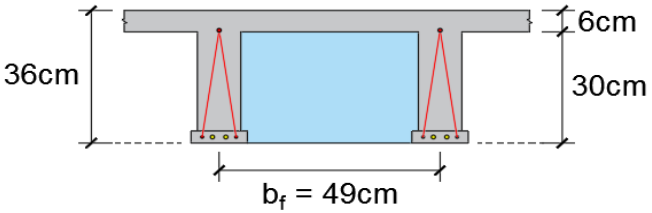
Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
4,00	-	-	1Ø4,2	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3
4,20	-	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	1Ø8,0	2Ø6,3	2Ø6,3	2Ø8,0
4,40	1Ø4,2	1Ø4,2	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0
4,60	1Ø4,2	1Ø4,2	2Ø4,2	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
4,80	1Ø5,0	2Ø4,2	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0
5,00	1Ø5,0	2Ø4,2	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0
5,20	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
5,40	2Ø5,0	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
5,60	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5
5,80	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5
6,00	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	
6,20	2Ø6,3	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	
6,40	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	
6,60	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5		
6,80	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5			
7,00	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5			
7,20	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5					
7,40	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5						
7,60	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5								

Laje Treliçada Unidirecional Para Piso LT 36 (30 + 6) - Intereixo = 49cm f_{ck} = 35MPa



Dados: Enchimento em EPS
Treliça TR 30856
Largura das nervuras = 9cm
Peso próprio = 292kgf/m²
Contrapiso + Rev = 140kgf/m²
fck = 35MPa

Volume de concreto: 0,10959m³ por m²

Legenda

CF = 0,5	CF = 1,0
CF = 1,5	CF = 2,0
CF = 2,5	Não OK

CF = Contraflecha em cm

Vão (m)	TABELA DE ARMADURA COMPLEMENTAR – Carga Acidental (kgf/m²)											
	50	100	150	200	250	300	350	400	450	500	550	600
5,00	1Ø4,2	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0
5,20	1Ø5,0	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0
5,40	2Ø4,2	2Ø5,0	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0
5,60	2Ø4,2	2Ø5,0	2Ø6,3	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
5,80	2Ø5,0	1Ø8,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0
6,00	2Ø5,0	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5
6,20	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5
6,40	2Ø6,3	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	
6,60	2Ø8,0	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	
6,80	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5		
7,00	2Ø8,0	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5		
7,20	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5		
7,40	2Ø8,0	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5			
7,60	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5			
7,80	2Ø10,0	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5					
8,00	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5					
8,20	2Ø10,0	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5						
8,40	2Ø10,0	2Ø12,5	2Ø12,5	2Ø12,5	2Ø12,5							
8,60	2Ø12,5	2Ø12,5	2Ø12,5									

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CLIQUE AQUI para conhecer a planilha utilizada para elaborar as tabelas desse trabalho

Espero que as tabelas de pré-dimensionamento sejam úteis para você! Tenha acesso a mais conteúdo nas minhas redes sociais:



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