

1

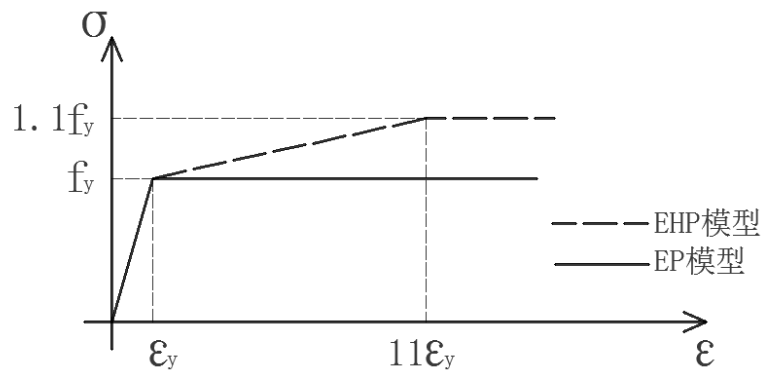
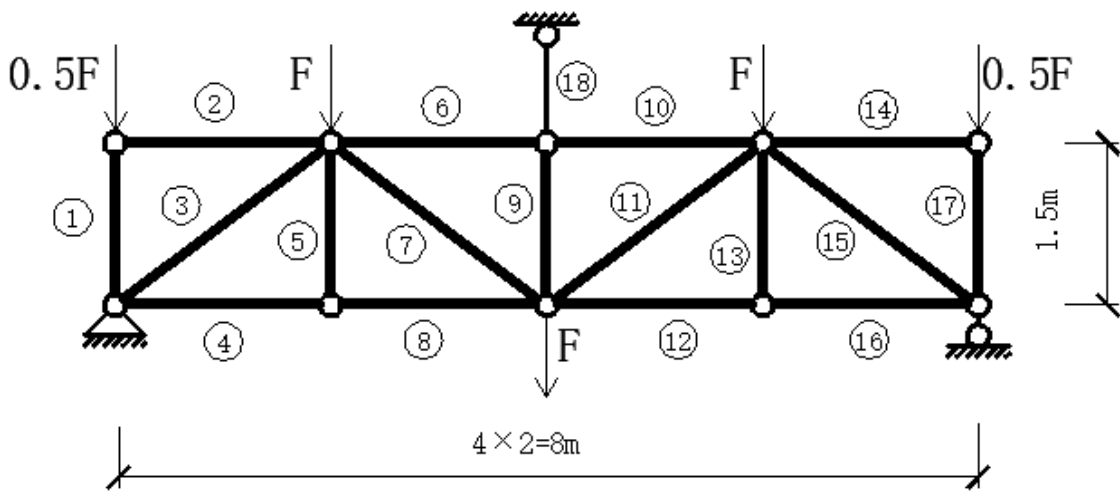
1.	L	E		P	I	aPL ³ /EI,
	a					
	①1/2	②1/3	③1/48	④5/384		
2.			L	q		bqL ² , b
	①1/4	②1/8	③1/12	④1/24		
3.	R	t				
	① π	② π	③ π	④ π		
4.			L	EI		_____
5.	P E A L					
	:					
	①E	②EA	③EA/L	④PL/EA		
6.					:	
	①	②	③	④		

1.	L	E		P	I	aPL ³ /EI,
	a					
	①1/2	②1/3	③1/48	④5/384		
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	①1/4	②1/8	③1/12	④1/24		
3.	R	t				
	① π	② π	③ π	④ π		
4.			L	EI		_____
5.	P E A L					
	:					
	①E	②EA	③EA/L	④PL/EA		
6.					:	
	①	②	③	④		

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	a					
	①1/2	②1/3	③1/48	④5/384		
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	①1/4	②1/8	③1/12	④1/24		
3.	R	t				
	① π	② π	③ π	④ π		
4.			L	EI		_____
5.	P E A L					
	:					
	①E	②EA	③EA/L	④PL/EA		
6.					:	
	①	②	③	④		

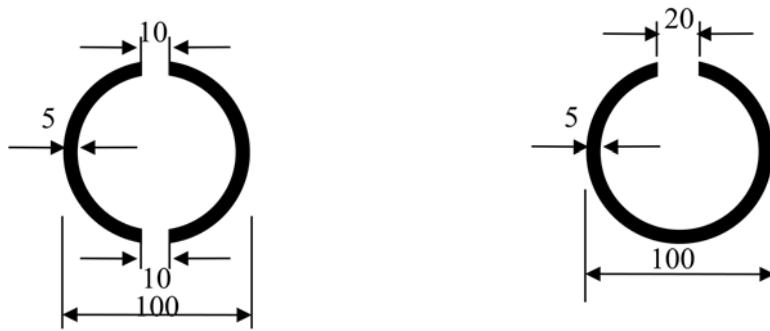
18

1	EP			F_{max}	A	F_{max}
2	EP		15	$0.5A$		A
F_{max}						
3	EHP	-	-	10	$0.5A$	
A	F_{max}					

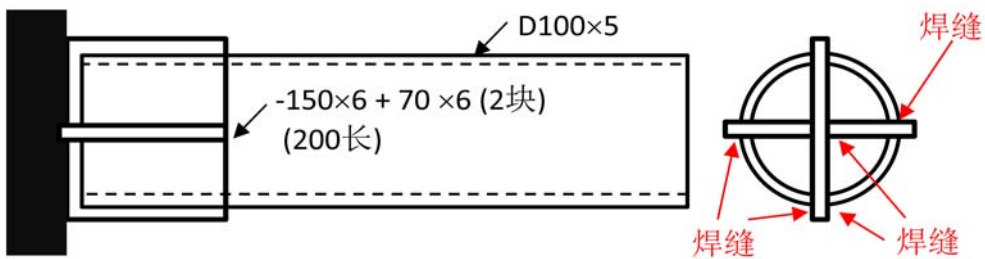
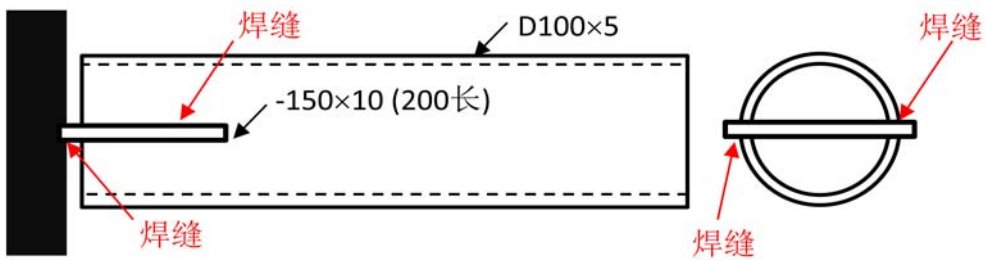


1. Q235C 600kN 300kN 300MPa 450MPa D100×5 1500mm²

2 1 2 10mm
300kN 20mm



3



perry

“

”

5

6m

- -

H

Q235B

215MPa

125MPa

1

3kN/m

60kN/m

1.2

1.4

$q=87.6\text{kN/m}$

2

$F=90\text{kN}$

1

$\phi 30$

30mm

C

1

2

2

75x5

C

1

2

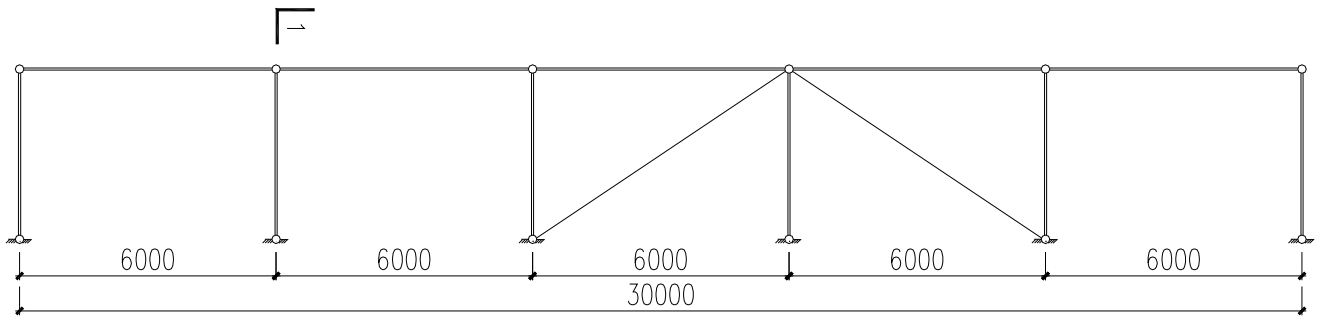
F

3

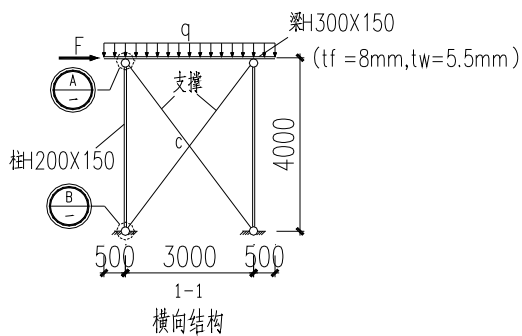
A B

-

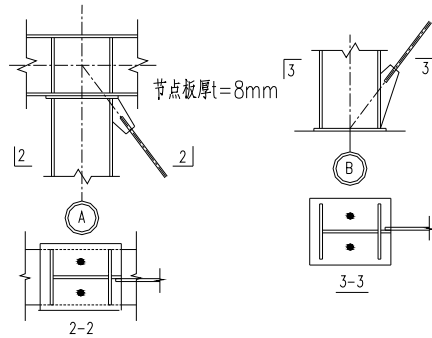
4



纵向结构



1-1
横向结构



6

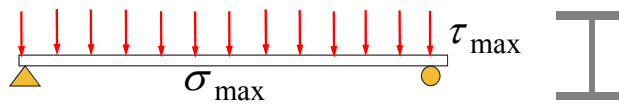
6.3

1. Q345 Q235

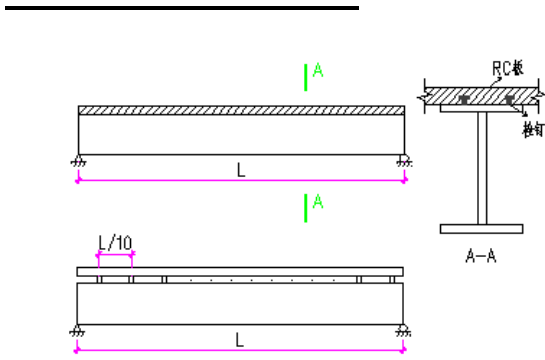
2. sandwich

3. 3 , (

4.



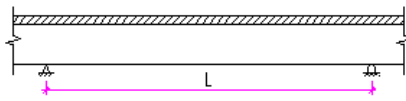
$$\sigma_{zs} = \sqrt{\sigma_{\max}^2 + 3\tau_{\max}^2}$$



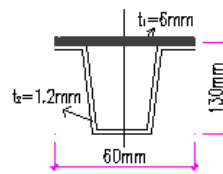
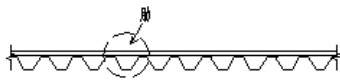
1.

1

2



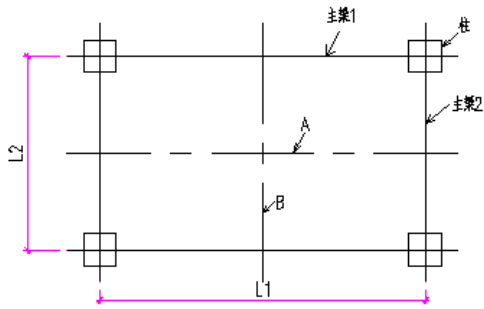
3



4

6mm

1.2mm



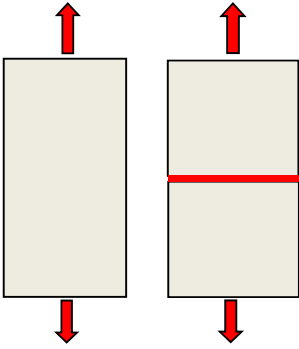
5

$L_1=2L_2$

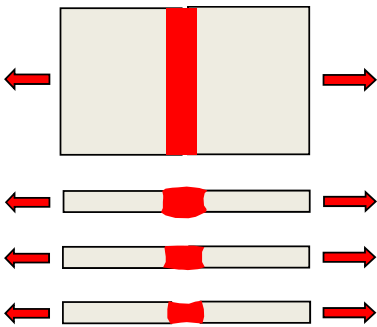
A B



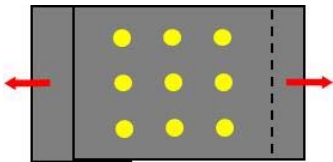
1.



2.



3.



1
2
3

a b c d

