

海南省土木建筑学会 海南省力学学会

关于全国大学生结构设计竞赛海南分区选拔赛暨第六届海南省大学生结构设计竞赛 有关事宜的二号通知

海南大学、海口经济学院、海南科技职业学院、海南职业技术学院：

由海南大学承办的全国大学生结构设计竞赛海南分区选拔赛暨

第六届海南省大学生结构设计竞赛，经中国力学学会、海南省力学学会

和专家委员会审定，现将有关事宜通知如下：

一、大赛指导委员会

日)两天学生做模型, 11日(周一)进行开、闭幕式、模型加载、专家现场评审、颁奖等事宜;

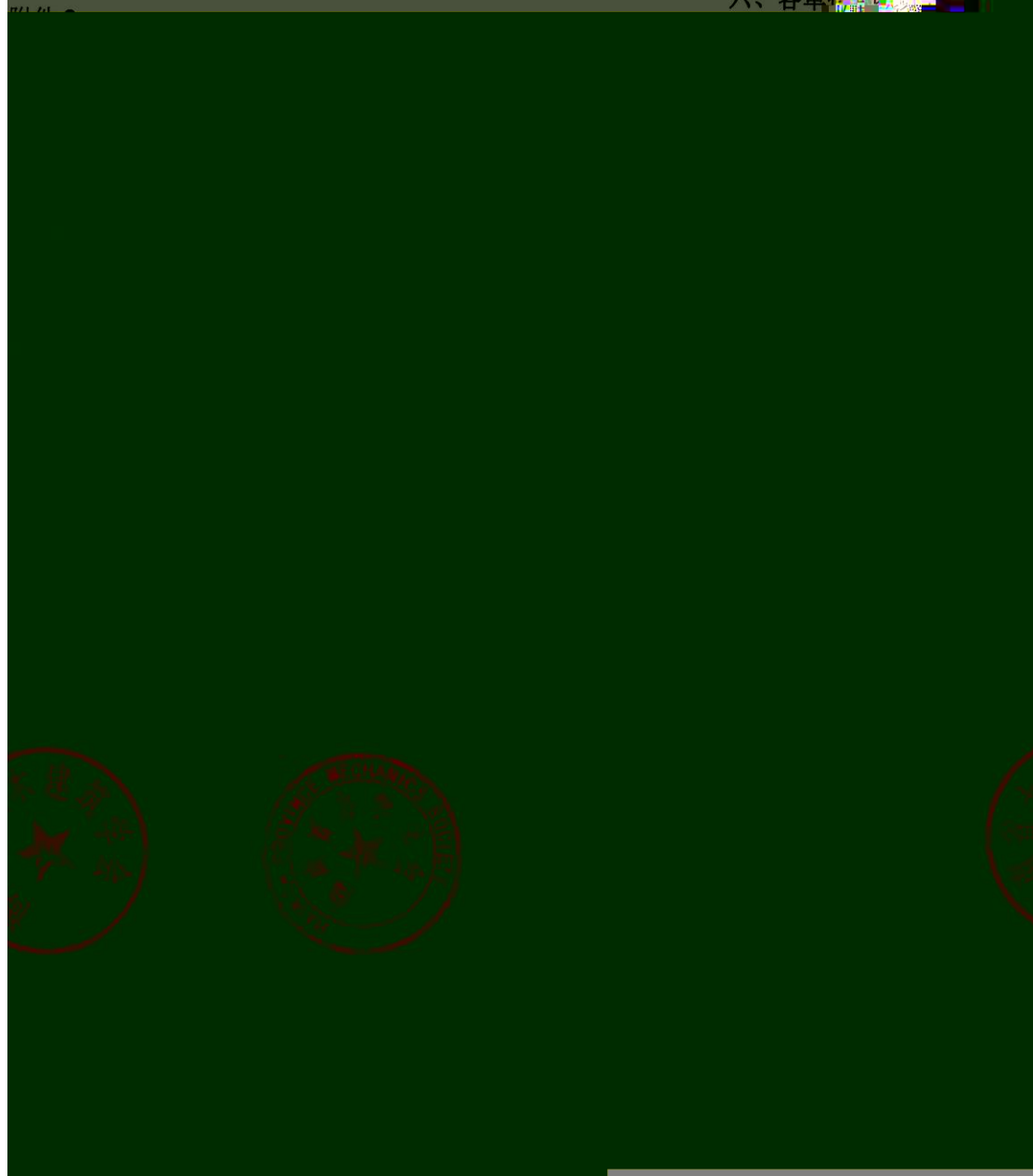
三、现场评审专家名单(共8人):

李光范教授

海南大学

收 500 元报名费)；各高校领队请与曾
系提交本校参赛队伍信息、缴纳费用、
月 27 日。

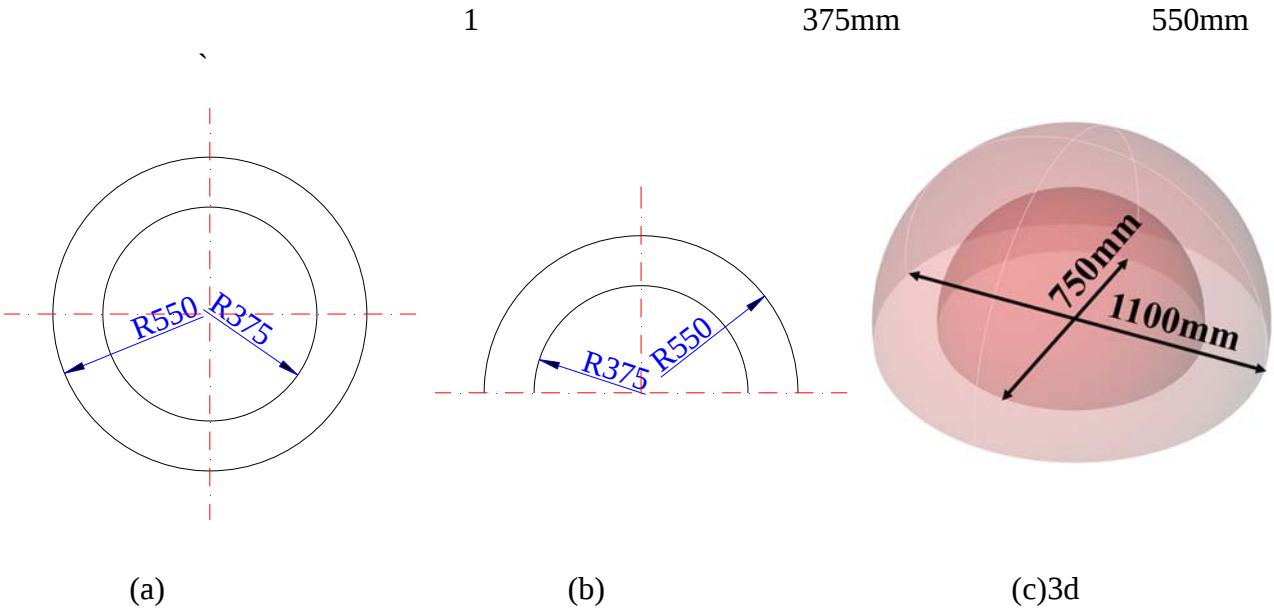
套 100 元，材料 400 元，每
加东老师（18583373909）
领取工具材料，截止日期为 4
六、各单位联系人信息



1

()

2



1 (mm)

2

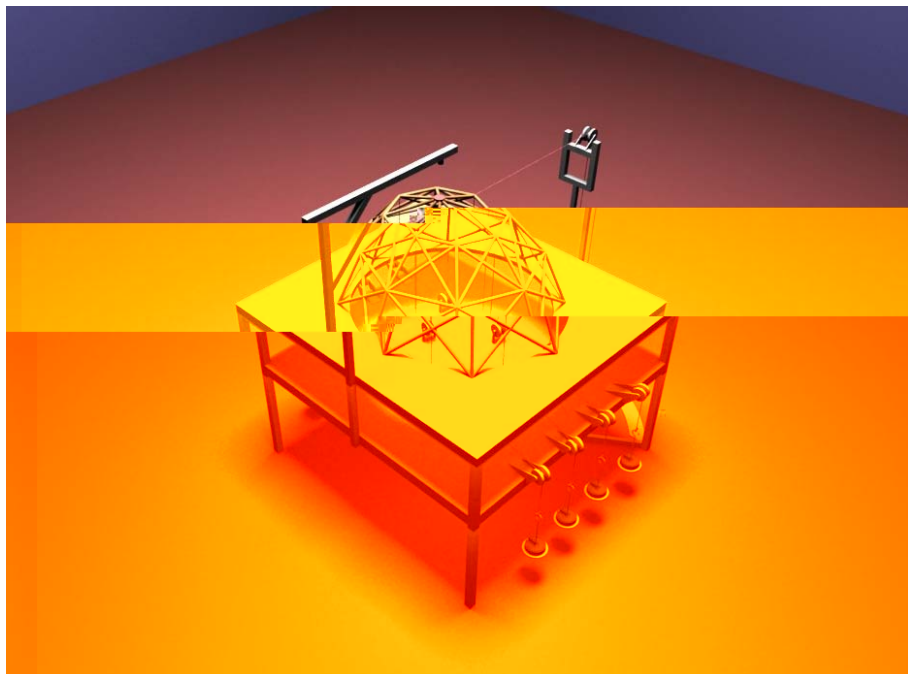
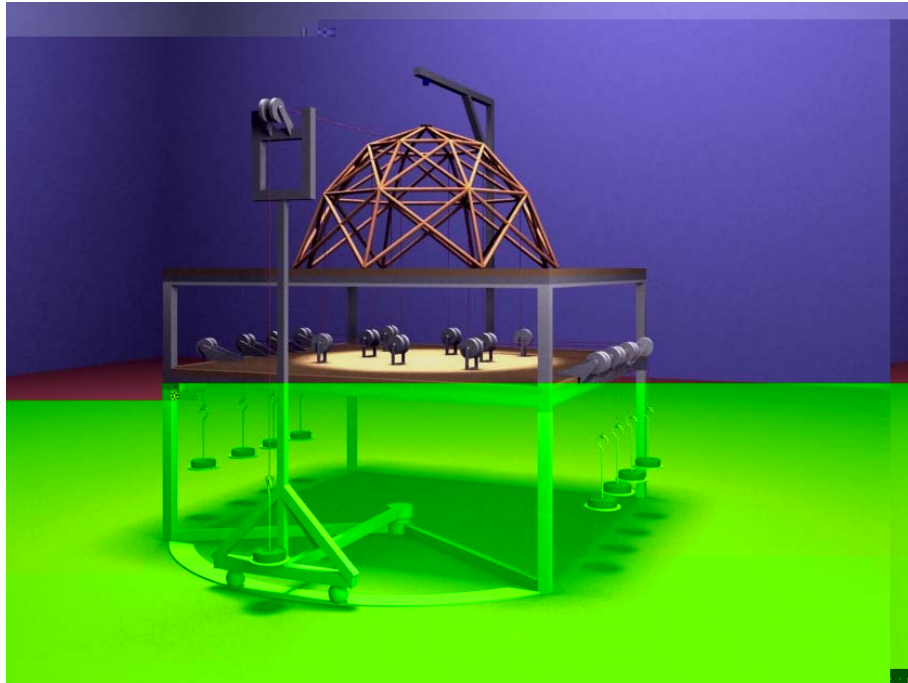
8

4.1 4.3

8

1

1



2

3d

(

)

3.

3.1.

(1)

()

(2)

A4

3.2

(1)

16

(2)

4.

4.1

3

150mm

260mm

8

8

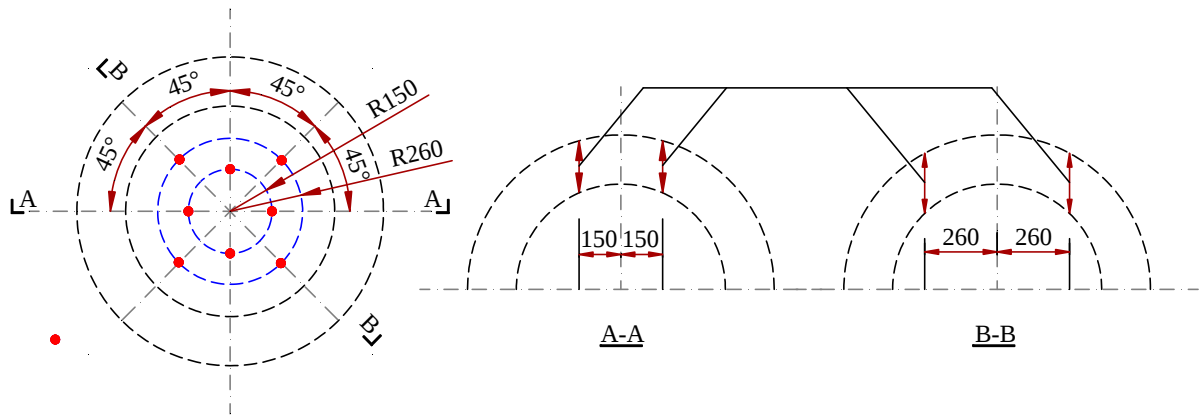
R=150mm()

R=260mm()

2

1

4.8



3

2mm

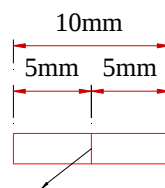
150mm

25kg

5mm

10mm

4



4

4.2

1) () M_A (0.1g)

2) 1200mm × 1200mm × 15mm

(1g/

) M_B (g) ()

(375mm 550mm)

15

1

2

3) $M_1 = M_A + M_B$ (0.1g)

4.3

(1)

4 ()

A B C D 5(a)

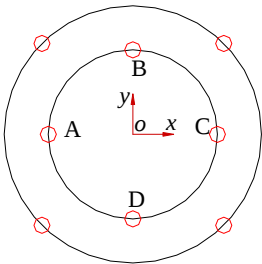
A D 4

x

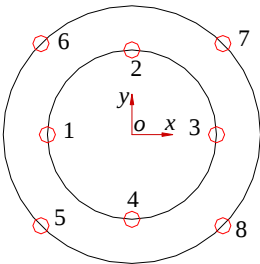
1 7 5(b)

2~8 (1)

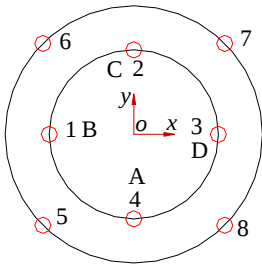
B 5(c)



(a)



(b)



(c)

5

(2)

6 6

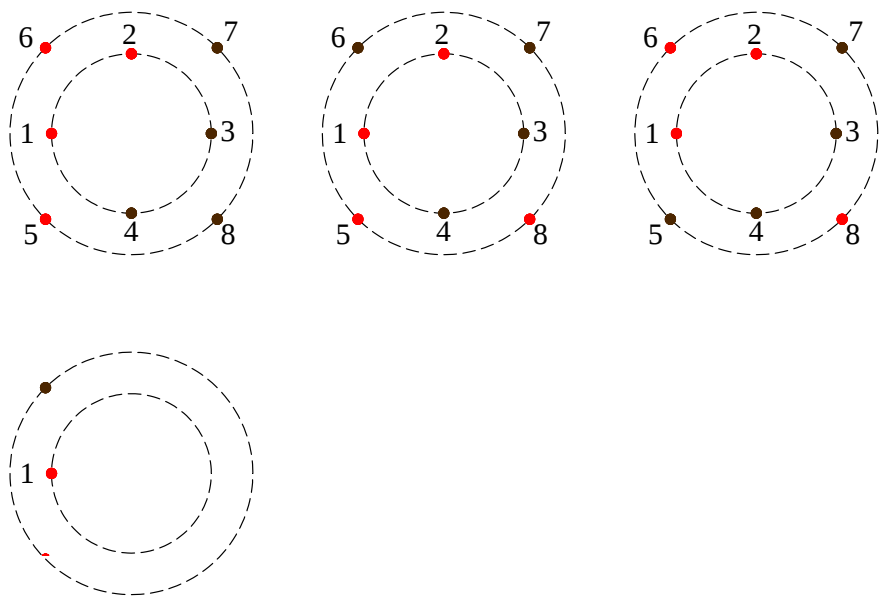
(a) (f) 6

6

1~8 (1)

(d) 1 2 5 7

1



4.4

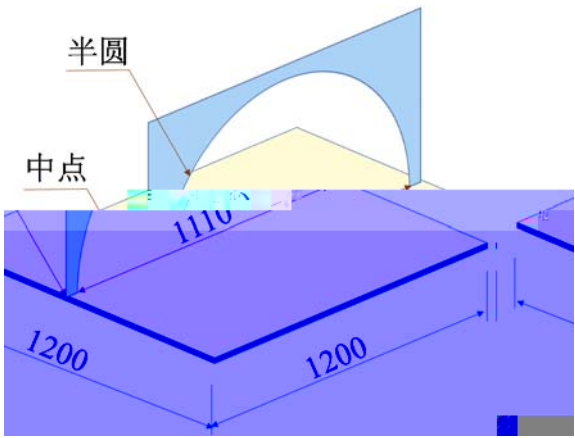
(1)

1
7 A B A B
(740mm
180°
1110mm)

(2)

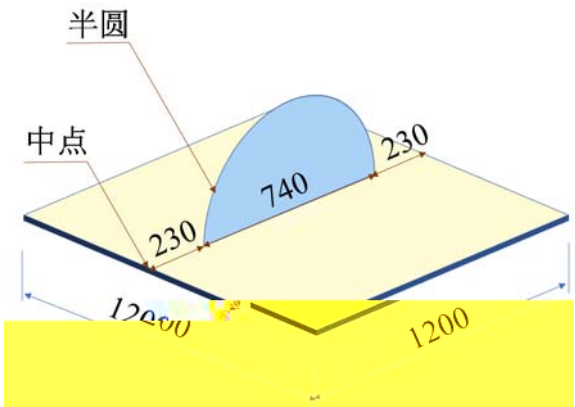
8 C 8 8
15mm 4.2 S 100g
2mm 8
1
20mm

(4.8)



(a)

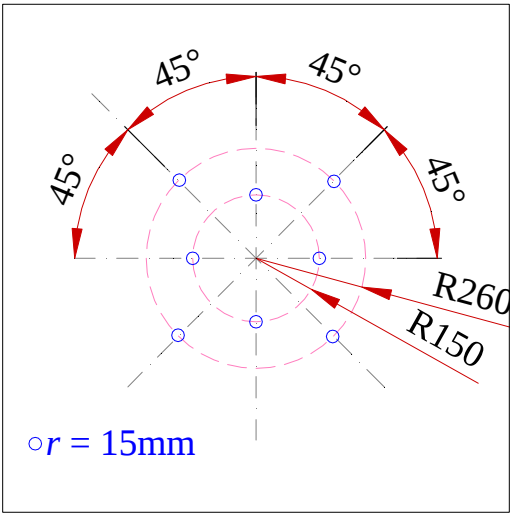
A



(b)

B

7 (mm)



8

C(mm)

4.5

1

x

G

8

500g

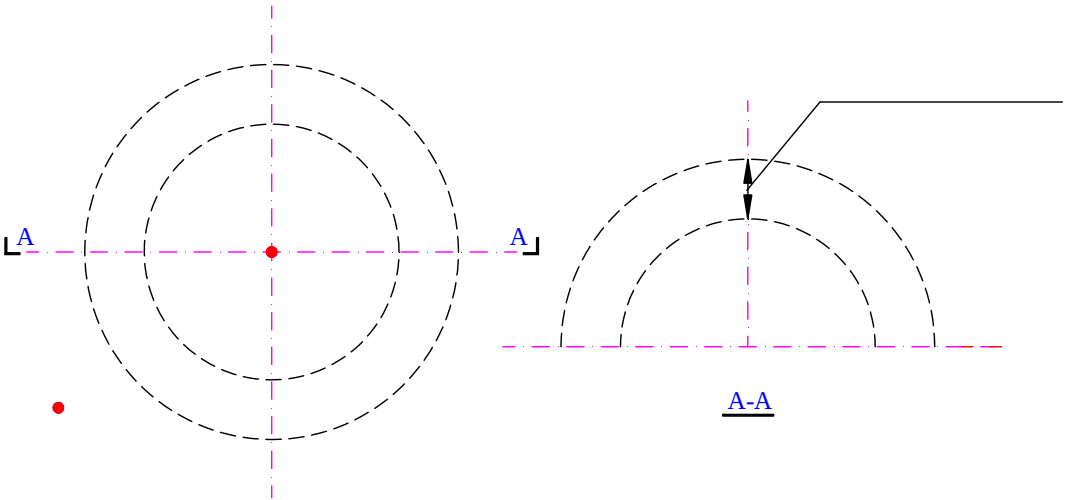
4.6

[w]=12mm

9

20g

30mm×30mm



9

4.5

4.5 4.6

4.7

1

2

4.8

5kg

4

4-6kg

4kg~8kg

1kg

1kg 2kg

(1)

3

8

5kg

10

$[w]=12\text{mm}$ (

12mm)

(2)

4.3

4

4-6kg

()

10

$[w]=12\text{mm}$

(3)

1

I

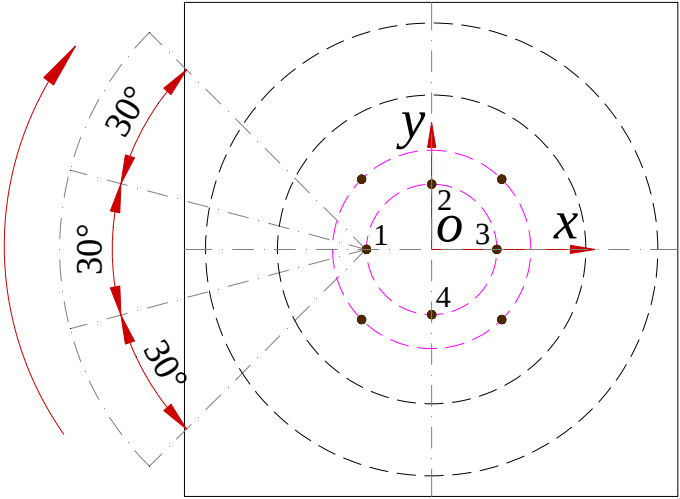
10

5

4

1

2



10

()

(4.5

)

10

1

2

4.8

(1)

(2)

(3) [w]

(4)

5

()

(1)

1

2

1

	1250mm×430mm×0.50mm		2
	1250mm×430mm×0.35mm		2
	1250mm×430mm×0.20mm		2
	900mm×6mm×1mm		20
	900mm×2mm×2mm		20
	900mm×3mm×3mm		20

930mm

2

0.789g/cm ³	150MPa	65MPa	10GPa

(2) 502 8

(3) 3 2 2 6 1

(30cm) (1m) (20cm)

(4) 30mm×30mm 20g

(5)

6

6.1

- 100
- (1) : 5
- (2) : 10
- (3) : 5
- (4) : 80

6.2

A. : 5

i A_i

()

B. : 10

i B_i

5

C. : 5

i C_i

()

D.

1 i k_{1i} k_{2i} k_{3i} M_i (g) G_{1i} (g)

8 +

500g k_{1i}

$k_{1i} = G_{1i} / M_i$

25 k_{1max}

$$25k_{1i} / k_{1max}$$

$$M_i \hspace{0.5cm} (\hspace{0.5cm} \text{g}) \hspace{1.5cm} G_{2i} (\hspace{0.5cm} \text{g}) \hspace{0.5cm} G_{2i}$$

$$k_{2i}$$

$$k_{2i} = G_{2i} / M_i$$

$$25$$

$$k_{2max}$$

$$25k_{2i} / k_{2max}$$

$$M_i (\hspace{0.5cm} \text{g})$$

$$G_{3i} (\hspace{0.5cm} \text{g}) \hspace{0.5cm} G_{3i} \hspace{1.5cm} 1$$

$$+ \hspace{0.5cm} 500\text{g}$$

$$k_{3i}$$

$$k_{3i} = G_{3i} / M_i$$

$$30$$

$$k_{3max}$$

$$30k_{3i} / k_{3max}$$

$$2$$

$$D_i$$

$$D_i = 25k_{1i} / k_{1max} + 25k_{2i} / k_{2max} + 30k_{3i} / k_{3max}$$

6.3

$$i$$

$$F_i =A_i+B_i+C_i+D_i$$

2 2018

(BAMBOO)

310

13082806354

QQ 105774690

13082806354

502

502

HS-30(30g)

<http://www.hs502.com/>

15813686110QQ 3131000941

15813686110

M4 16mm 20mm

1200mm×1200mm×15mm

2mm

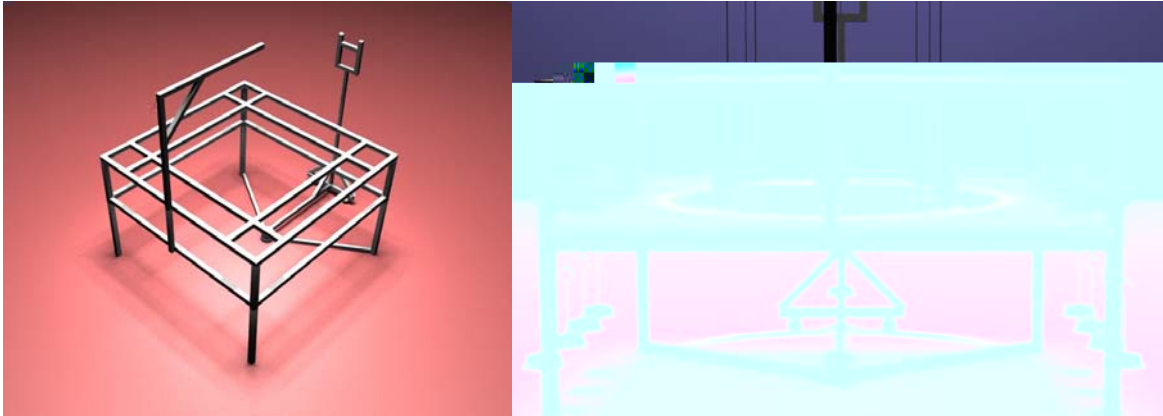
<https://item.taobao.com/item.htm?spm=a230r.1.14.16.459fdd52gwFpMl&id=525040644669&ns=1&abbucket=3#>

[detail](#)

1.

(

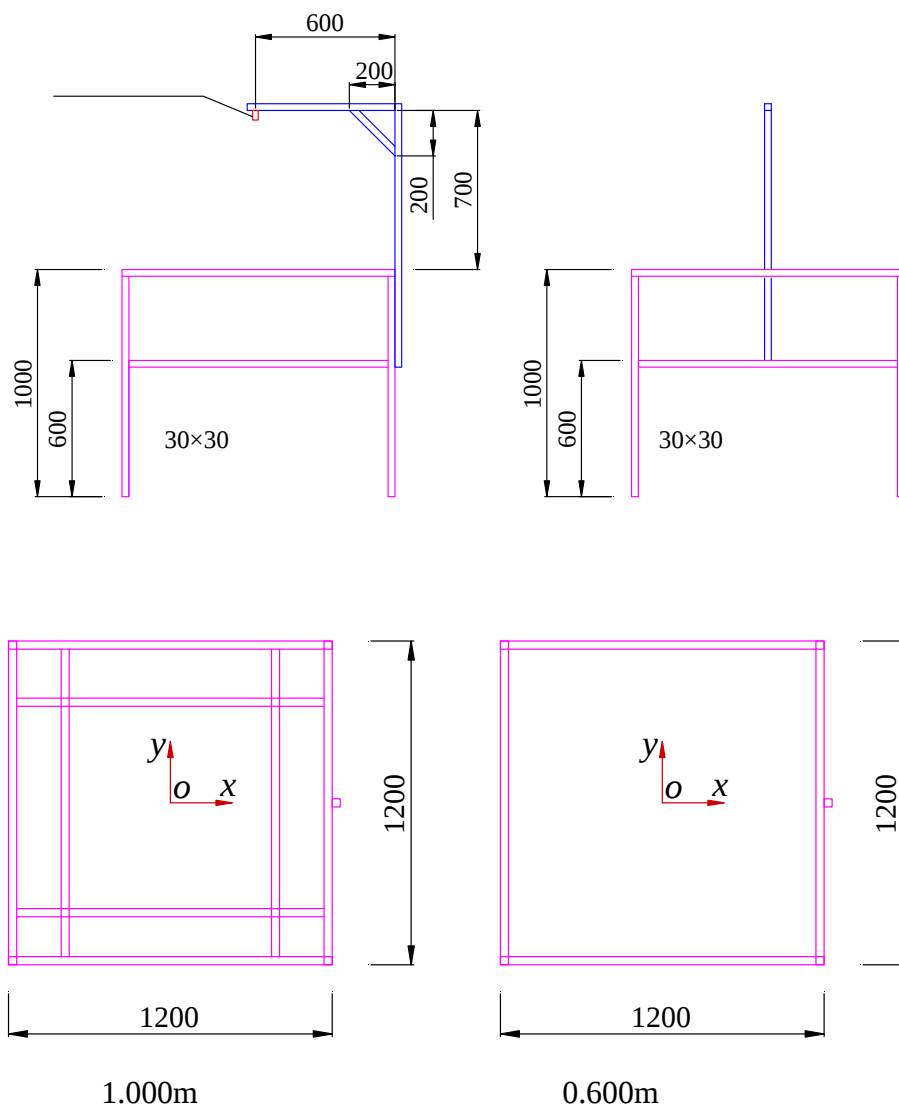
)

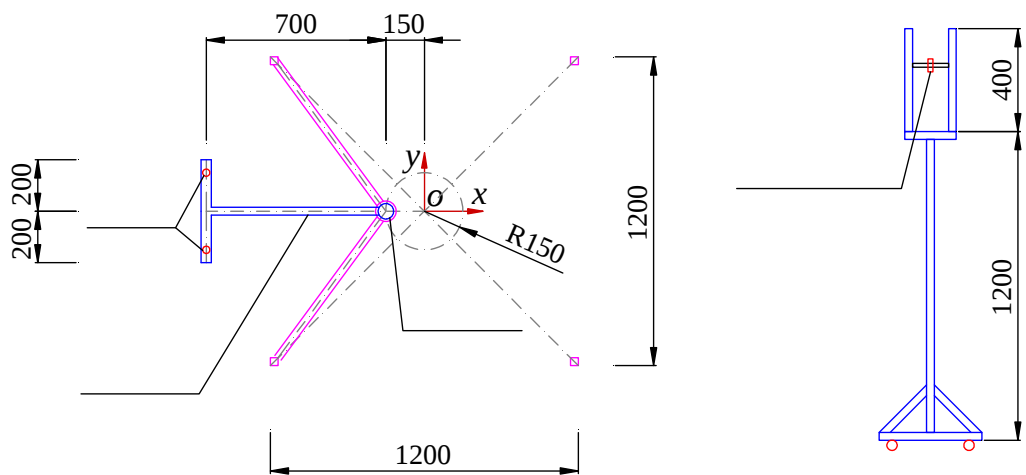


1

2

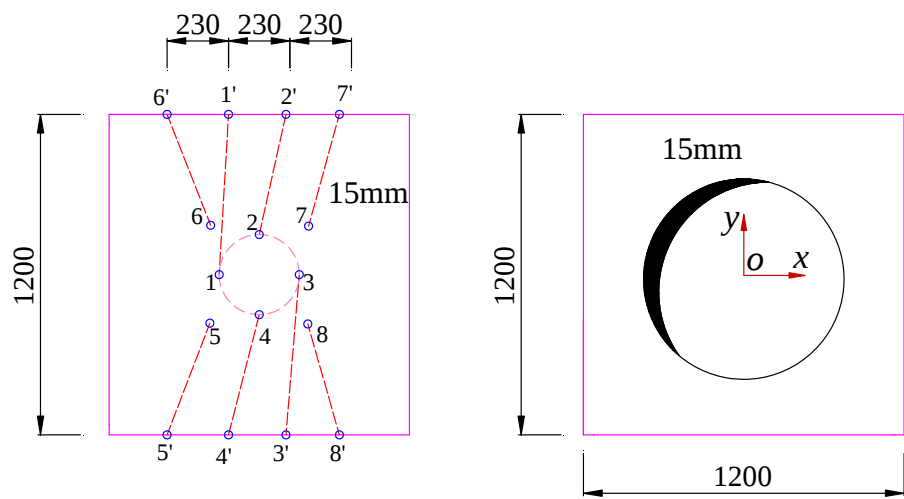
2.





0.000m

3



1~8

0.615m

1.015m

4

(

)

- (BAMBOO)

1

		(mm)	/
1		1250*430*0.2 +0.02	2
2		1250*430*0.35 +0.02	2
3		1250*430*0.5 +0.02	2
4		900*6*1	20
5		900*2*2	20
6		900*3*3	20

2

1		0.789g/cm ³

2

10GPa

1

18876178180 66281625

9-4

				QQ	
1			13036020709	314261366	
2			13876261106	429893952	
3			18583373909	421190612	
4			13398906817	836529623	
5			18708911763	379979163	
6			13648604541	2605004637	
7			18389386720	791890870	
7					
8					
9					
10					