

南开大学文件

2018 41

关于印发《南开大学实验室建设、改造技术安全 指南（试行）》的通知

2018 6 12

2018 6 27

南开大学实验室建设、改造技术安全指南 (试行)

2017

第一章 实验室建筑空间标准

1.1

2.70m

2.40m

2.20m

1.2

1.3

6.60m

6.60m

5.70m

1.4

1/3

1.5

1/2

1m

2.10m

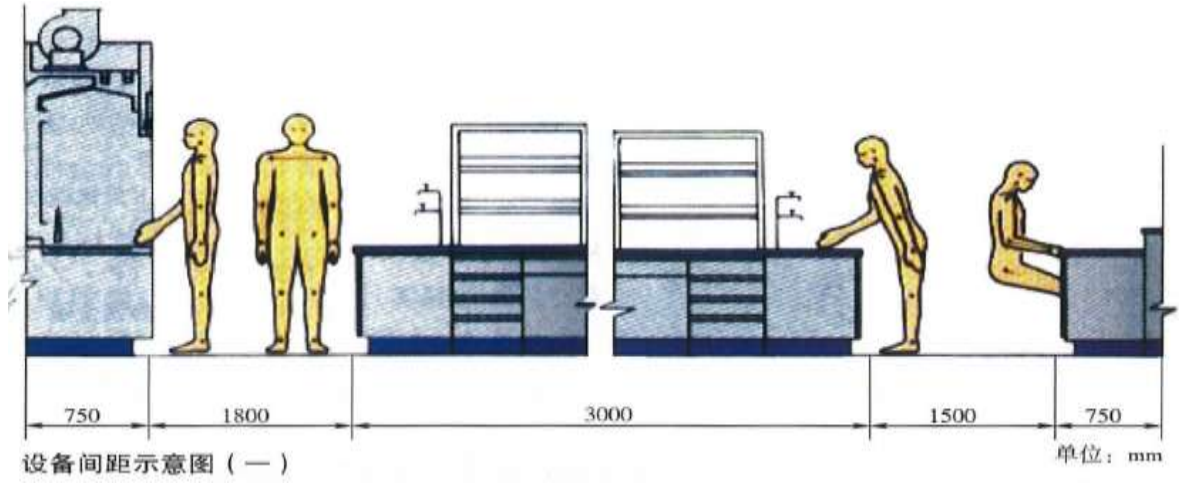
1.20m

2.10m

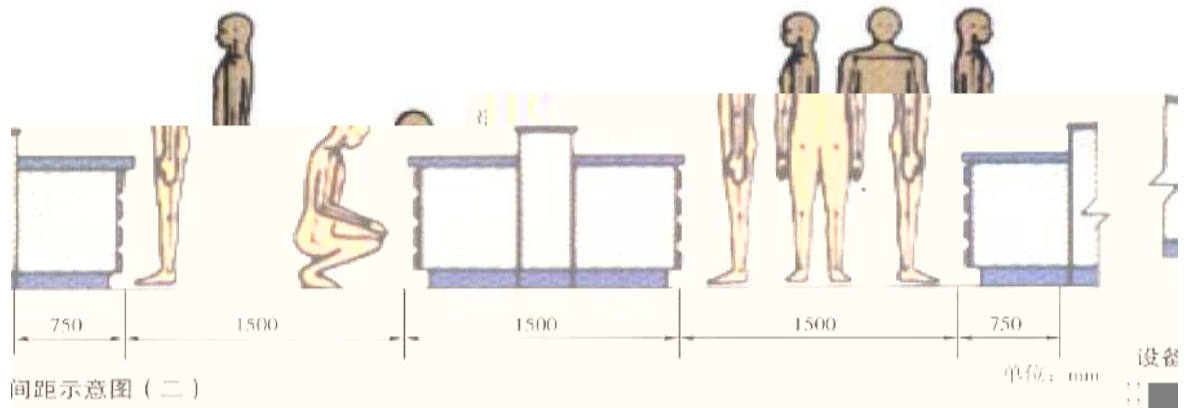
1.6

1.50m

1.80m

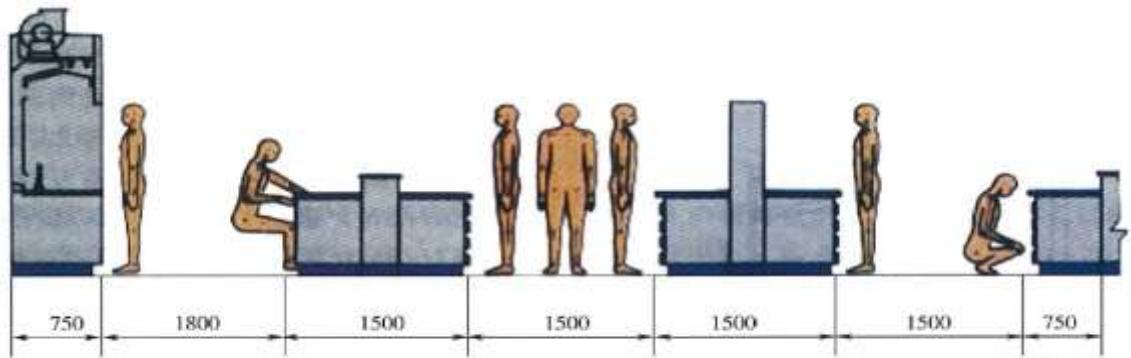


1.50m



1.80m

1.20m

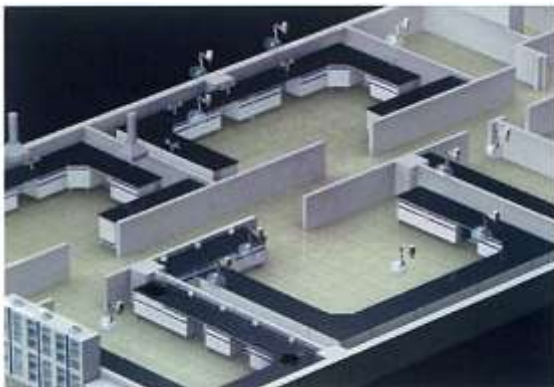


设备间距示意图 (三)

单位: mm

1.7

1.30m



实验台布置图 (一)



实验台布置图 (二)

1.8

1

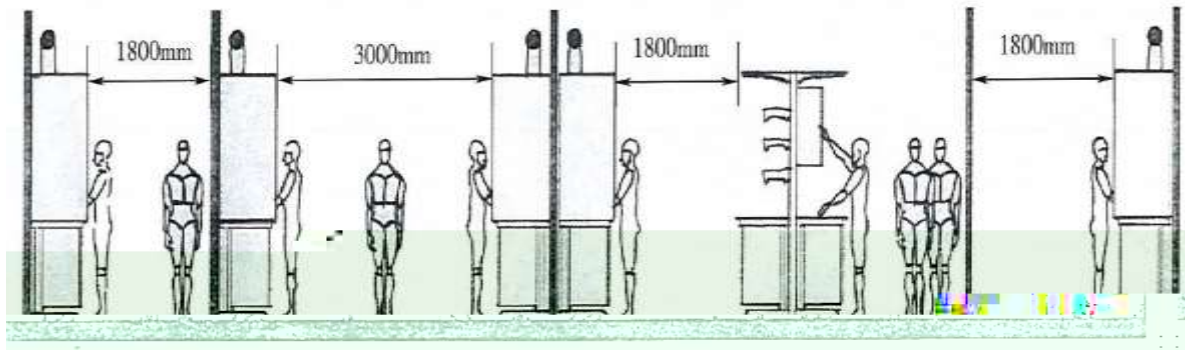
3m

1.80m

1.80m

1m

1m



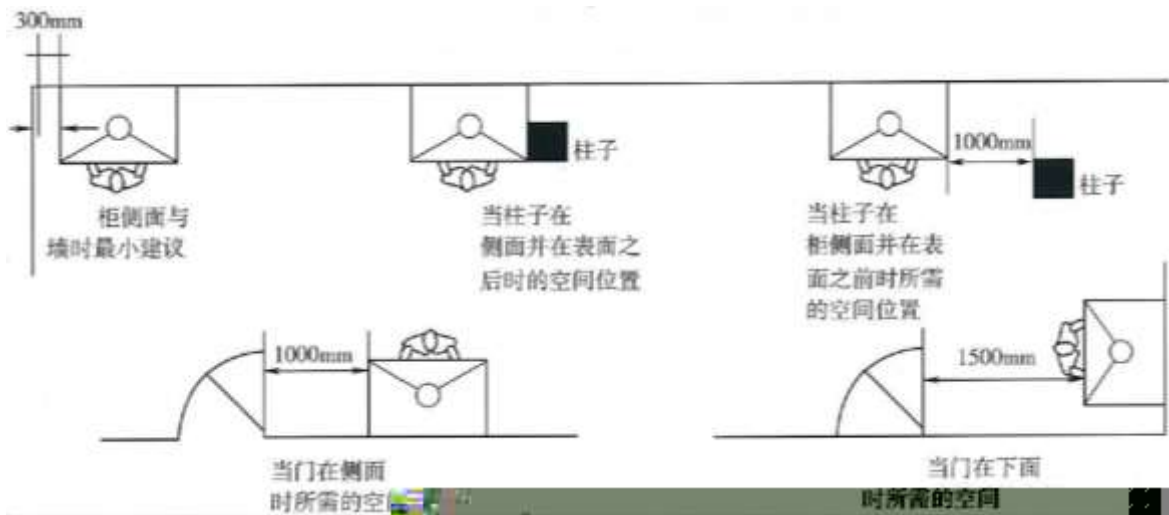
2

0.30m

1m

1.80m

1.50m



1.9

2.1

1.30m

1.60m

2.2

1:8

0.28m

0.17m

2.3

0.60m²

2.4

1:6

1:5

2.5

55dB

50dB

2.6

第二章 实验室系统工程

1.1

1

2

3

4

5

6

0.4-0.6m/s

3

1s

A

7

1.5

8

8 /

4-6 /

9

1.2

1.2.1

1

2

3

,

3

4

5

6

7

8

9

1M

85

10

ISO1940

1G2.5

AMCA210-99

1.2.2

1

GB50243-2002

2

70

3

60

2

4

5

70

304

6

7

8

mm

D		b	
	3.0		3.0
	4.0		4.0
	5.0		5.0
	6.0		6.0
			8.0

9

GB50243-2002

10

GB50243-2002

1.2.3

1

500Pa

2

3

0.2MPa

4

5

6

1.0mm

35mm

7

8

9

10

50mm

<2%

1.2.4

1.2.5

,

1.2.6

1

1/3

BAS

2

3

1

2

3

4

5

6

7

8

9

BAS

1.3

1.3.1

±20%

JB/T6412-1999 7.2

1.3.2

1.3.3

GB/T222-2007 6.6

1.3.4

1s-3s

±10%

1.3.5

1s-3s

1.3.6

1.3.7

GB50243-2002

GB50242-2002

GB50274-98

GB50275-98

GB50231-98

18-28

16-20

40%

-70%

VAV

SS-316L

4.1			
1			
	0.3%		
2			
0.25m			
3			
	0.50m	0.25m	
4			
5			99.99%

6

7

&

8

9

10

11

12

13

14

15

16

9.52mm 3/8in

12.7mm

6.35mm

1/4in

17

18

19

20

21

22

3.18mm 1/8in

23

24

25 1.5m

26

27 1.5m

28

1-3 /h

29

30

31

2m

32

4.2

1.

2.

3.

4.

5.

1.

2.

UPS

3.

4.

5.

6.

7.

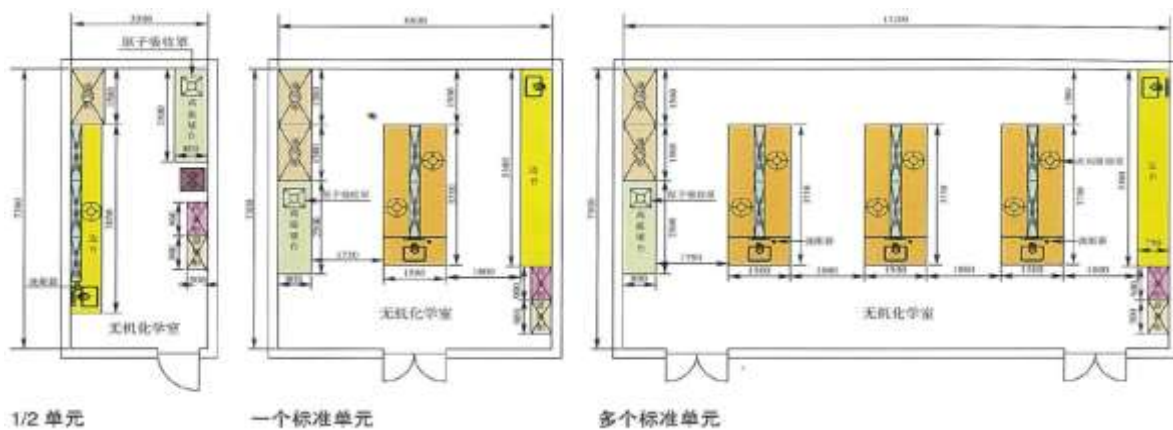
8.

9.

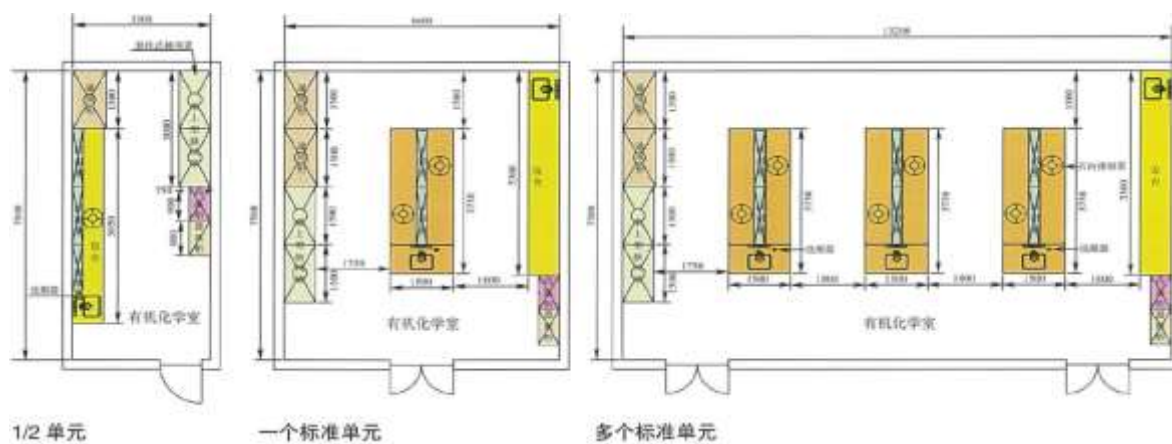
第三章 实验室设计

1.1

1.1.1



1.1.2



1.2

1.2.1

1

2

0.35-0.75 m/s

3

4

5

10-15cm

6

7

15cm

8

9

1.2.2

1

2

3

MSDS

4

5

6

100L

100kg

50L

50kg

20L

20kg

7

10L

20L

50L

8

9

10

11

12

13

14

15

16

1.3

1

2

3

4

10

5

6

1.4

	450mm	x500mm	x2000mm
900mm	x500mm	x2000mm	

1.5

30

1.6

2.1

BSL-1,BSL-2,BSL-3,BSL-4

ABSL-1, ABSL-2, ABSL-3, ABSL-4

BSL-1		
BSL-2		
BSL-3		
BSL-4		

2.2

1

2

3

4

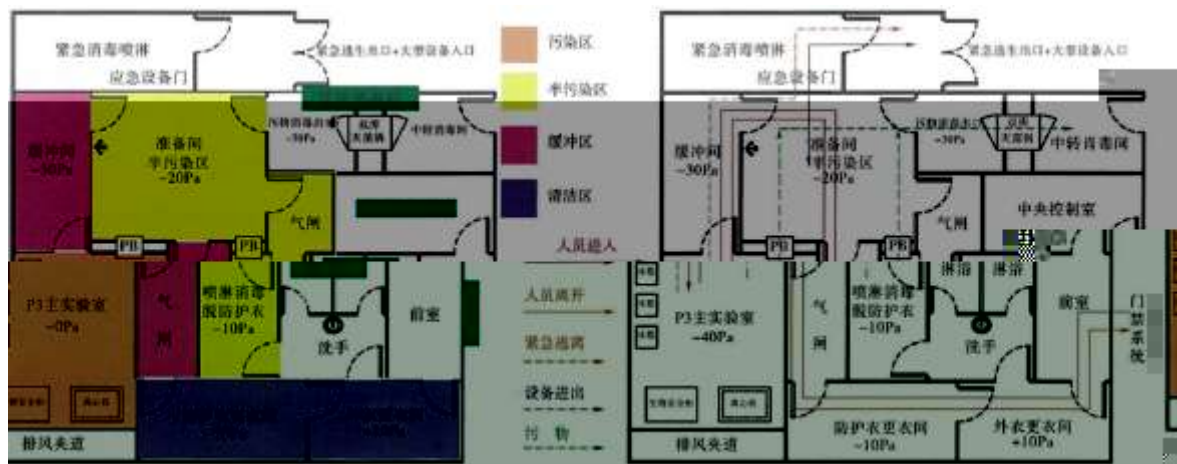
5

3.5-4.0m

2.5-2.6m

1.2-1.5m

3.2-4.0m



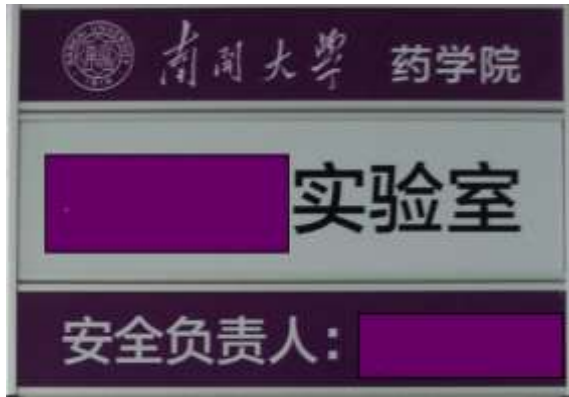
WS 457 2014

第四章 实验室安全标识设计

1.



2.



3.

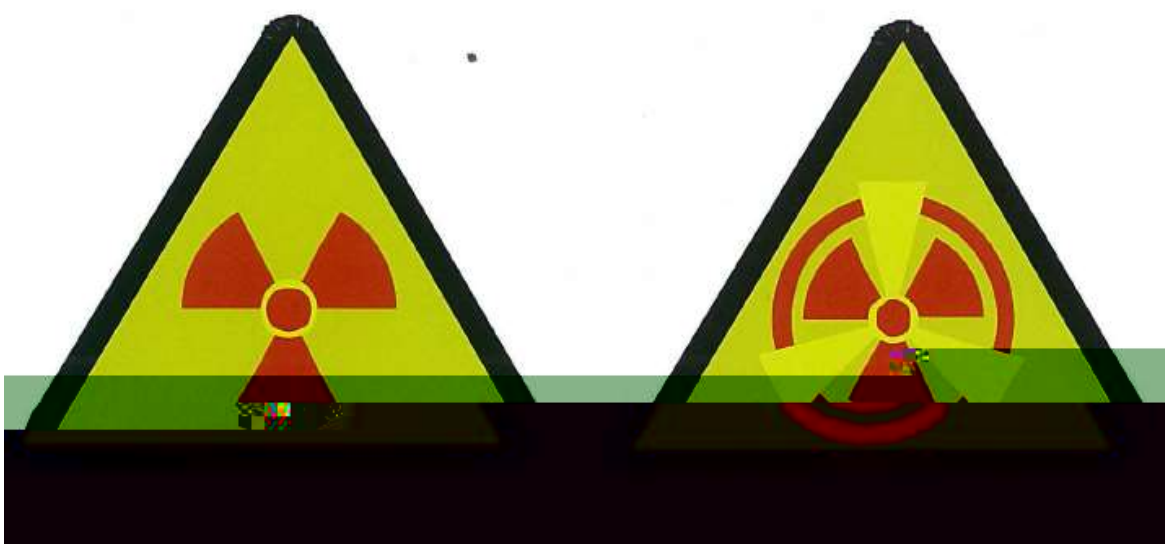
/



生物安全标志



4.



5.



当心中毒 Caution, Poisoning



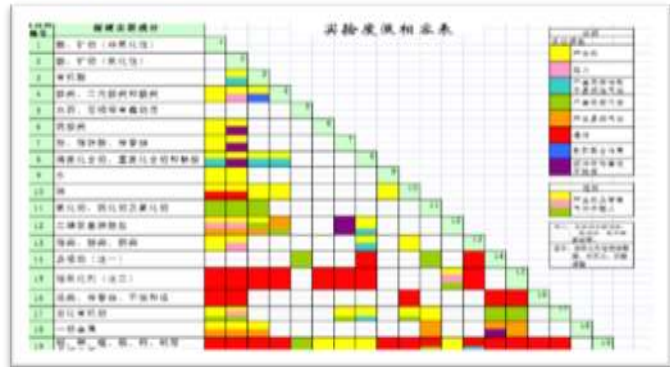
当心腐蚀 Caution, Corrosion



必须戴防护眼镜

当心腐蚀

6.



7.