2015 1674 ≤60

2022 8 2023 1 1 1674

2023 1 19

3

1.1 .....
1.2 .....
1.3 .....
1.4 5

2.1 7
2.2 7
2.3 .....
2.4 14
2.5 15
2.6 .....
2.7 16

1.

1.1

1.2

1.2.1.

1 2021 9 1

2

30 2015 5 29 80 2015 7 1

9 44 2015 5

29 80 2015 7 1

10 55

2015 3 23 79 2015 7 1

11 44 2025 6 1

12 4 2025 9 1

13 2025 5

2025 1 27

14

2025 6 2025 5 7

15 “ ”

2025 4 2025 2 10

16 <

> 2021 12 2021 12 31

17

2016 3 2016 4 28

18 2015

2015 5 2015 5 1

19 < 2015 > “ 1674 [≤ 60] ”

“ 1674 ”

2022

8 2023 1 1

20 2015

2015 80 2015 8 19

21

2020 1 2020 5 30

22

2011 95 2011 7 1

23

2011 142 2011 7 1

24

2016 8 2016 2 5

25

2019 107

2019 10 28

26 2022

101 2023 01 01

2022

94 2022 12 01

28 <

> 2006 177 2006 5 31

29 2018

230 2018 1 16

30

2014 113 2014 10 31

2017

2017 155 2017

32

36

2023 56 2023 6 20

1.2.2.

1 GB 50156-2021

2 GB 6944-2025

3 GB 12268-2025

4 GB 18218-2018

5 GB 17914-2013

6 GB 55036-2022

7 GB 50058-2014

8 AQ 3009-2007

9 GB/T 6441-1986

10 GB/T 13861-2022

11 GB 50016-2014 2018

12 GB 50140-2005

13 GB 55037-2022

14 GB 50057-2010

15 GB 12158-2024

16 GB 20952-2020

17 GB 50395-2007

18 GB/T 29639-2020

19 GB/T 12801-2008

20 GB 5083-2023

21 YJ/T 9007-2019

22 AQ 3010-2022

23 AQ 3018-2008

24 GB 30871-2022

25 XF/T 3004-2020

26 - SH/T 3178-2015

27 GB/T 13869-2017

28 Å AQ 8001-2007

1.2.3.

1 2005 4

2 2002 11

3 2003 7

1.3

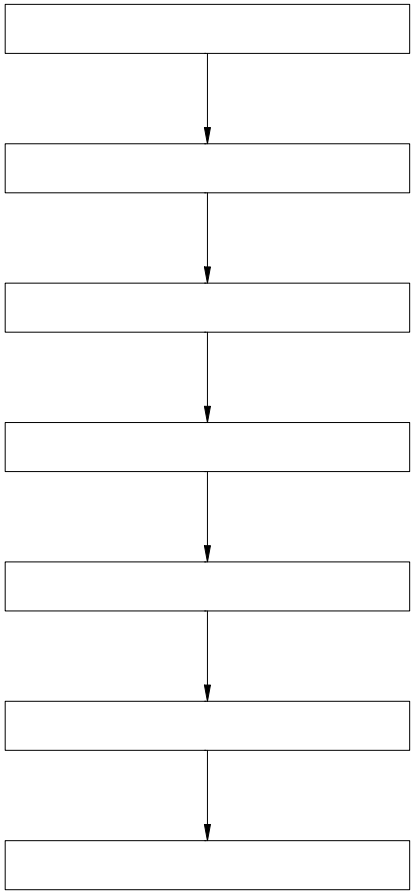
1

2

3

4

5



1.4-1

2

53%

56%

50%

3

981.3hPa

4

433.4mm

120.8mm

5

2662.7h

6

260mm

7

W

3.2m/s

28.3m/s

8

35d

9

6

1.8m

2.3

5263.4m^2

7m

1 17m

1

2m 14m

1 5 1 28m 35m

6 3

10m 11m 0.2m 1.2m

0.6m 0.5m

8.5m

0.6m 10m 8.5m

6 50mm 4m

2.3-1

2.3-1 2.3-2

2.5

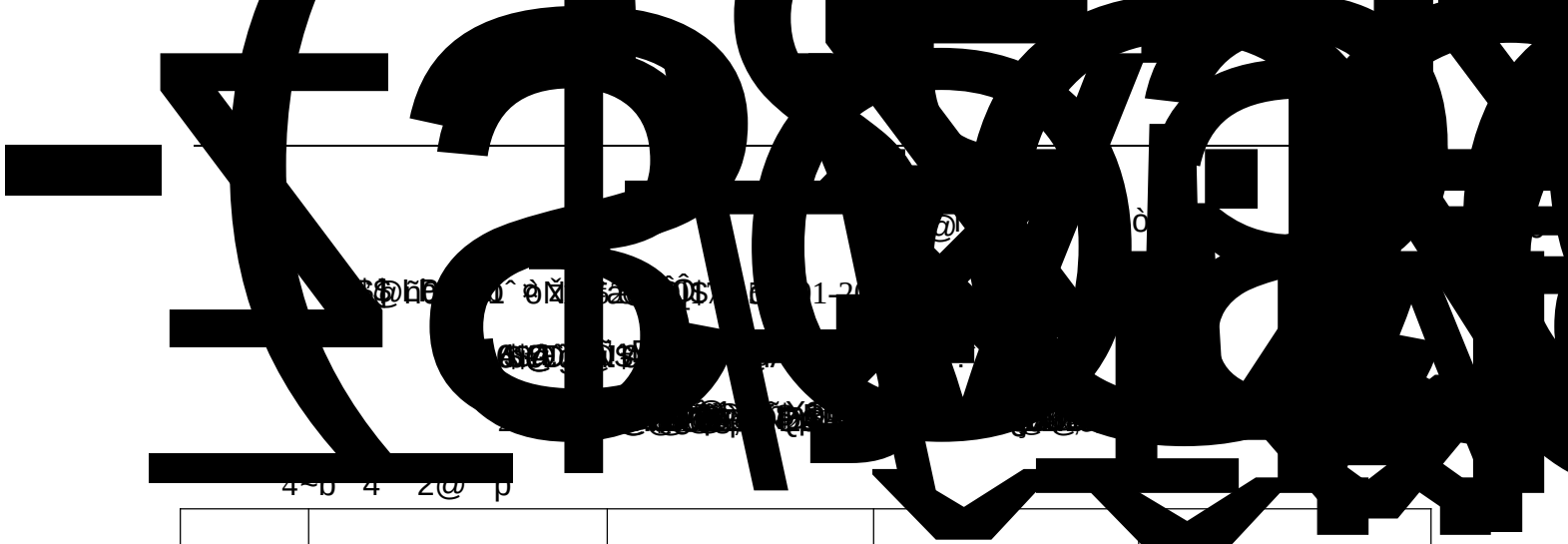
10 1

2.6

1

5min

Ê m Î



4~Þ 4 2@ þ

	350102197803226418			2023 8 8 2026 8 7
	372432197903134115			2023 8 8 2026 8 7

21è ³ ÐÑ ¥Ñ

2

5kg GB50156-2021

12.1.2

4

GB50140-2005 6.1.1

o 0

3.

3.1

3.1.1

GB18218-2018

∀

1

Q_1 Q_2… Q_n—— t

3

3.1.3

23 ≤ 60 3.1-1

3.1-1

1		200t
2		5000t

	7.6%	415~530	0.813MPa

•

PC-TWA 300mg/m^3

1

2 ?±

5

1 30

2

15min

50m

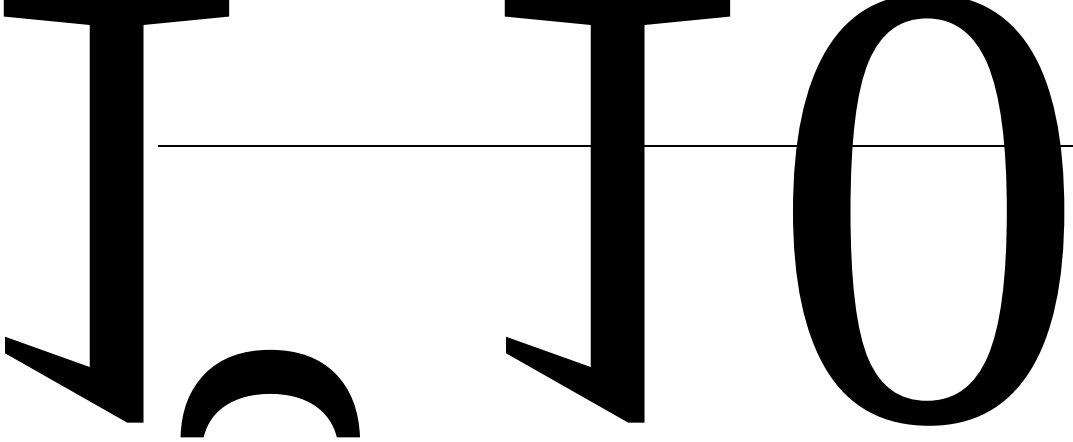
300m

1674

-18 =1 0.79~0.85

282-338

0.6%~7.2%



5 0 -10 60 -20

50 -35 -50 45

3.2.2

1

2

3

4

3.3

3.3-1

3.3-1

1			
2			
3			
4			
5			
6			
7			

8			

3.3.1

1

70m

6 46

2

1987 2 4

1986 5 2

3

4

5

3.3.4

3.3.5

3.3.6

3.3.7

1	6	15	90
1	6	15	90
6	6	3	108
3	6	3	54
1	6	15	90
1	6	15	90
6	6	3	108
1	6	15	90
1	6	15	90

320

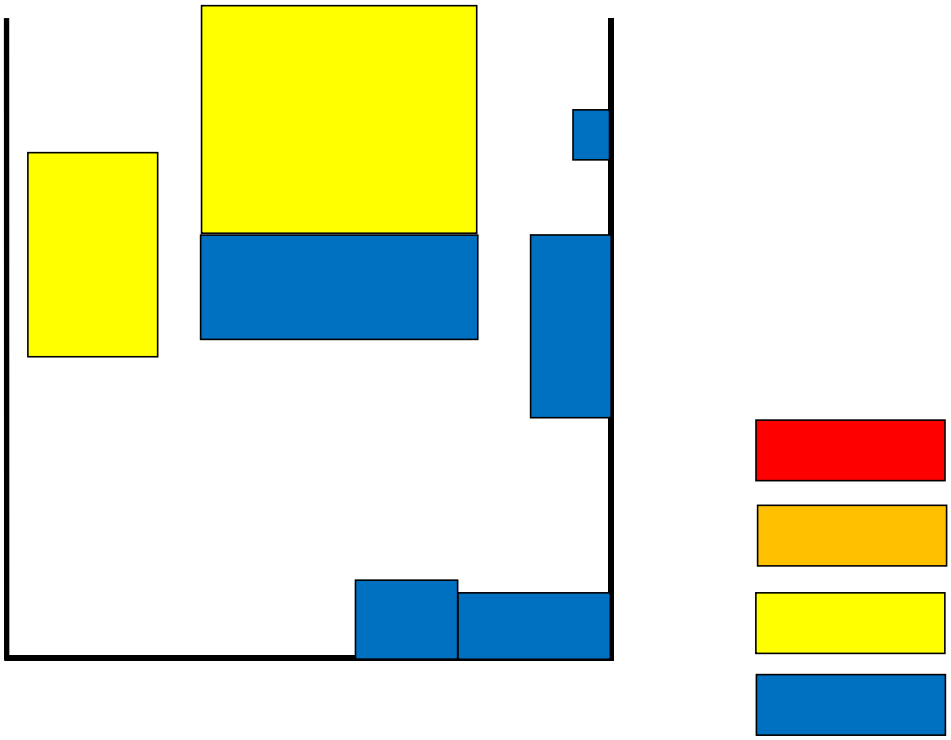
160~320

70~160

70

1 4

3.4-1



3.4-1

5.

8

5-1

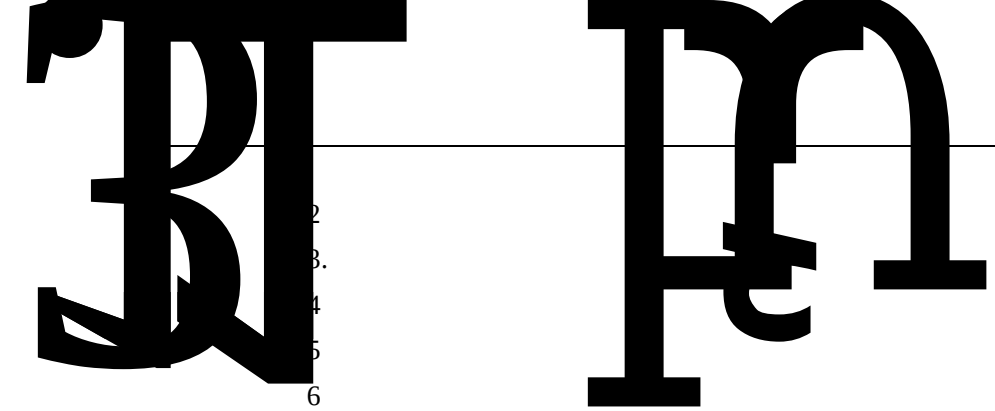
一、基本条件

5-1

1

2

3



2
3.
4
5
6
7
8
9 9 3
1

GB50156-2021

3.0.25

11

4

GB50156-2021

3.0.27

1

GB50156-2021

4.0.1

2

GB50156-2021

4.0.2

3

GB 50156 4.0.4 GB50156-2021

4.0.4 2.3-1

4

GB50156-2021

4.0.12

5

GB50156-2021

4.0.13

1

ÄGB50156-2021 Å

5.0.2 Đ•?ѫS„ ã‡u FQ 85à " °d0 ‡•S“ At B

“

4 “ ” “ ” “

” GB50156-2021 ”

5.0.5

5

3m

GB50156-2021

5.0.6

1.2m³

100mm 1.2m

6

GB50156-2021

5.0.7

7

GB50156-2021

5.0.8

8

14.2.10 GB50156-2021

300m² 5.0.9

9

4.0.4

GB50156-2021

5.0.10

“ ” “ ”

10 ɣ

GB50156-2021

5.0.11

Ь Ӊ ˝ ´

GB50156-2021

0.08MPa 6.1.4

5 -

SF

-

GB50156-2021

SH/T3178 6.1.5

6

SF

GB/T 51344 GB 50156-2021

6.1.6

7

109Ω

109Ω

SF

GB50156-2021

6.1.7

A=0.04Vt

8

SF

11.2 GB50156-2021

6.1.8

SF

9

GB50156-2021

6.1.9

10

80mm

SF

4mm

GB50156-2021

6.1.10

11

6.2.4

5

GB50156-2021

6.2.5

6

GB 50156-2021

“ ”

6.6.1

7

GB 50156-2021

6.6.2

CB

3

8

50mm

100mm 45°

T

100mm

GB50156-2021 45°

150mm 6.3.8

200mm 150mm

9

4m

2m GB50156-2021 4m

6.3.9

10 50mm GB50156-2021 50mm

6.3.10

11

2kPa~3kPa GB50156-2021

1.5kPa~2kPa 6.3.11

12

GB/T8163 GB/T8163

4mm

GB 50156-2021

4mm 6.3.12

4mm

		6.3.20	GB/T21447	
	21	GB50156-2021 6.5.1	SF	
	22 GB 50108 200mm 500mm	GB50156-2021 6.5.2	SF	
	23 100mm 4mm 200mm 10mm 30mm	GB50156-2021 6.5.3	SF	
	24	GB50156-2021 6.5.4		
	25			

θ

5mm

ɯe

5

		12.1.2	2 5kg 4 3kg CO_2 2 GB50140	
	1 0.25m 0.25m	GB50156-2021 12.3.2		
	2	GB50156-2021 12.3.3		
	1 GB/T2893.5 GB2894 GB13495.1 GB15630	AQ3010-2022 4.4		
	2 GB/T 50493	AQ3010-2022 4.5		
	3 “ ”	XF/T3004-2020 8.1		
	4 “ ”“ ”			

Ь Ӊ ˝ ´

GB 50058 GB50156-2021

13.1.7

8

13.2.9

8

GB50156-2021

30Ω

13.2.10

9

GB50156-2021

14.1.4

12

5

300cm²/m² 2

3

GB50156-2021

14.1.5

1

GB50156-2021

14.2.1

2

4.5m

8.5m

2m

GB50156-2021 GB50009

GB50068

14.2.2

GB/T50011

GB50009

GB/T 50011

3

0.15 0.2m

1.2m

T

0.6m

2021

100mm

0.5m

	GB 50016	GB50156-2021 14.2.4		
	5	GB50156-2021 14.2.7		
	6	GB50156-2021 14.2.9		
	7 300m^2	GB50156-2021 14.2.10		
	8 B GB50016	GB50156-2021 14.2.11	B	
	9 3h	GB50156-2021 14.2.12		
	10	GB50156-2021 14.2.13		
	11 5.0.13 25m 3.0h	GB50156-2021 14.2.14		
	12	GB50156-2021 14.2.15		
	13	GB50156-2021 14.2.16		

	1	GB50156-2021 14.3.1		

17

11 6

八、 大 产安全事故 患

5-8 20

	“ ”			

	23	20	0	3
	53	41	0	12
	8	8	0	0
	28	28	0	0
	17	11	0	6
20	20	10	0	10
	220	189	0	31

6.

6 “ ” “

”

7

8

9

10

“ ”

11

2018 74

12

7.

1

GB50156-2021

2

2015

3 GB18218-2018

4

220 31

189

GB50156-2021

1.

GB50058-2014

1 0

2 1

3 2

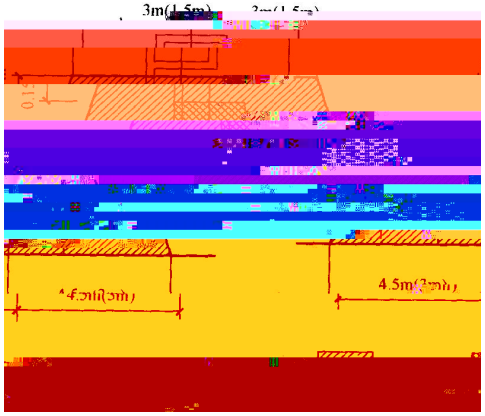
2. 1

3. 1

1 1

2 4.5m

0.15m 3m 2



1

4. 2

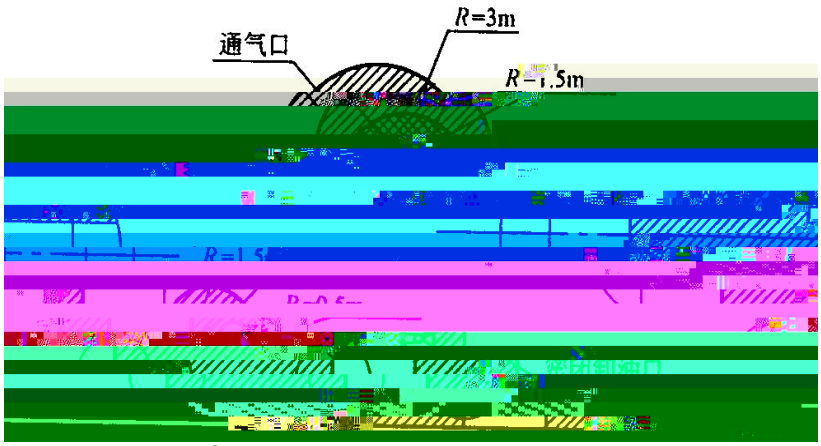
1 0

2 1.5m 0.5m

1

3 3m

1.5m 2



2

5. 3

1 0

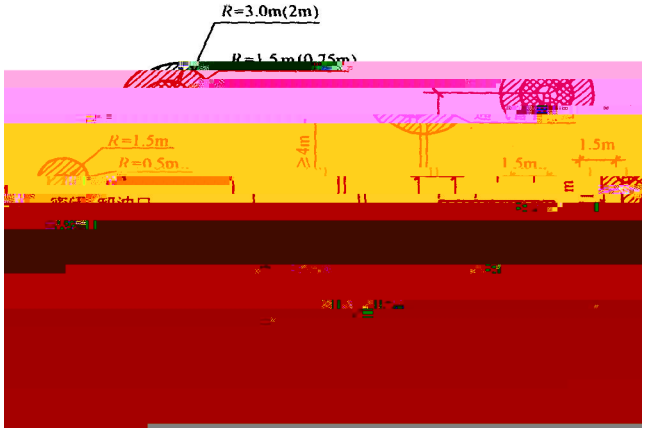
2 1.5m 0.75m

0.5m 1

3 1.5m 1m

3m 2m 1.5m

2



3

1

2

3

4

5

6

7

8

9 B

10

11

12

13