
1.1	.....	1
1.2	.....	1
1.3	.....	5
1.4	.....	5
2.1	.....	7
2.2	.....	7
2.3	.....	7
2.4	.....	9
2.5	.....	9
2.6	.....	10
2.7	.....	12
3.1	.....	15
3.2	.....	16
3.3	.....	20
4.1	.....	26
4.2	.....	26

1.

1.1

1.2

1.2.1.

1								2021	9	1
2								2021	4	29
3						591		2013	12	7
645										
4						708		2019	4	1
5					2025					
14	34	2025	5	28						
6									103	
					2022	11	9			
7									3	2015
5	29				80		2015	7	1	
8										



30 2015 5 29

80

2015 7 1

11

44 2015 5

29

80

2015 7 1

12

55

2015 3 23

79

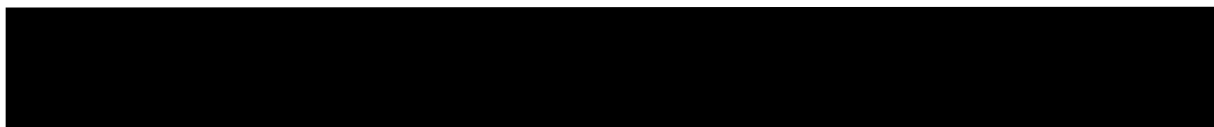
2015 7 1

13

444

2025 6 1

14



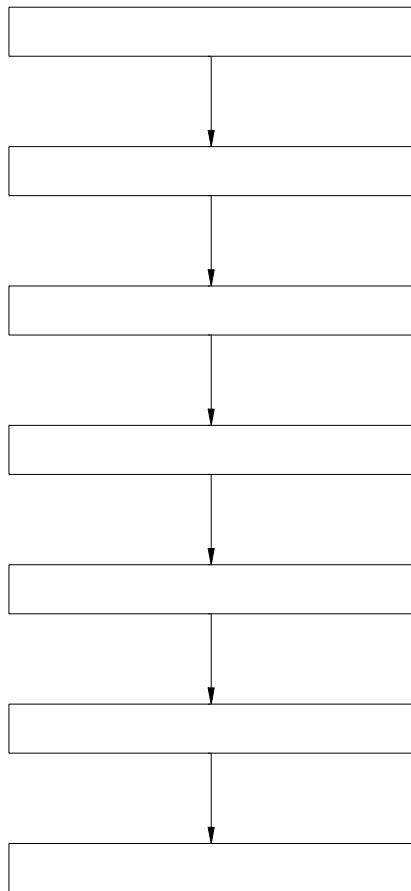
$\angle$

0017 5 ~~XXXXXXXXXX~~
@~~XXXXXXXXXX~~SB@nE\$ SP @~~XXXXXXXXXX~~3ÄÄ0

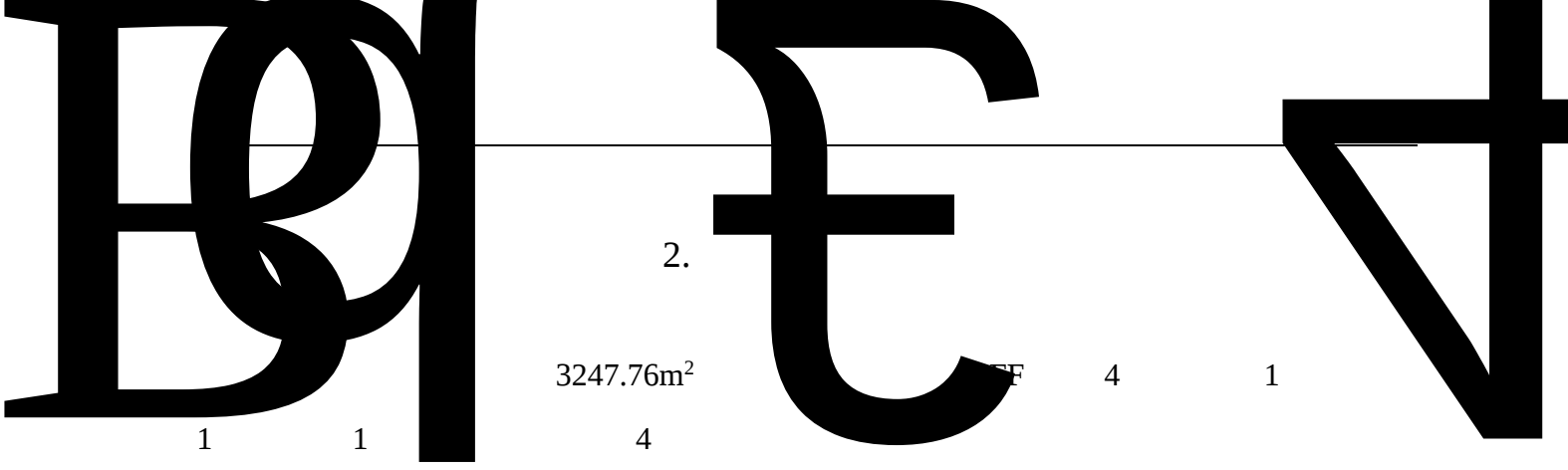
2006 11 2016 7 000001000

4

20	(GB/T 12801-2008)	
21	(GB 5083-2023)	
22	YJ/T 9007-2019	
23	(AQ 3010-2022)	
24	AQ 3018-2008	
25	GB 30871-2022	
26	XF/T 3004-2020	
27		SH/T 3177-2015
28	GB/T 13869-2017	
29	AQ 8001-2007	
1.2.3.		
1	2005	4
2		2002
11		
3		2003 7
	1.3	
1		
2		
3		
4		
5		
	1.4	
		1.4-1



1.4-1



2.

3247.76m²

FF

4

1

1

1

4

4

3

30m³

1

30m³

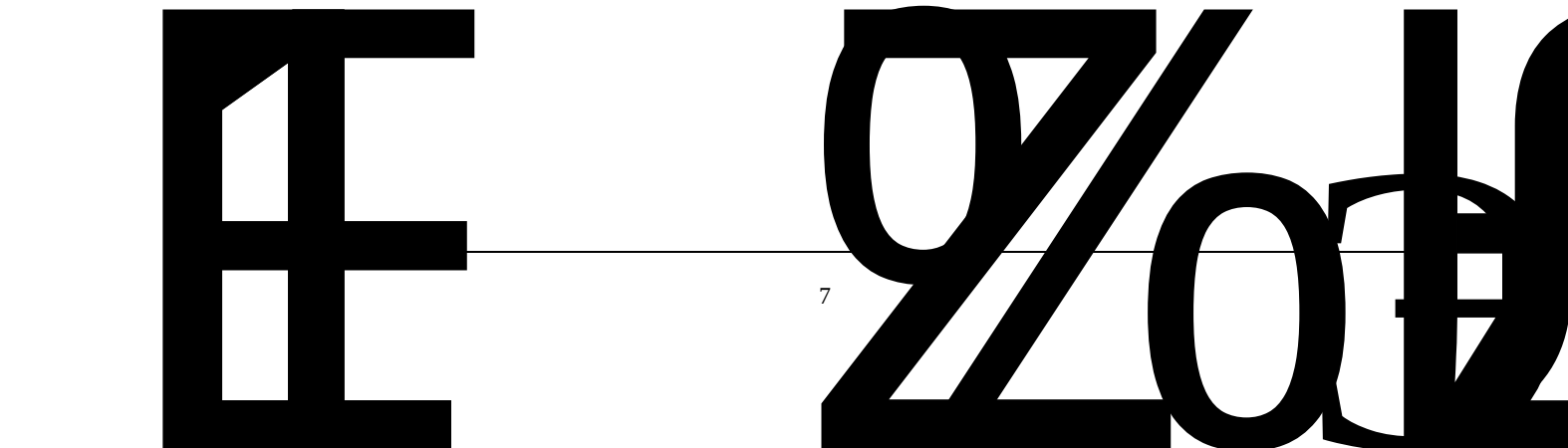
105m³

GB50156-2021

3.0.9

2.1

H=7m



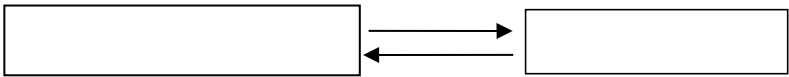
50mm

4m

10min

2min

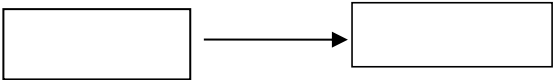
2.6-1 2.6-2 2.6-3 2.6-4 2.6-5



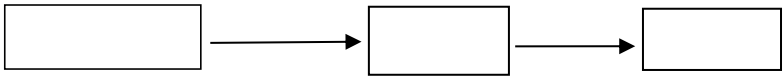
2.6-1



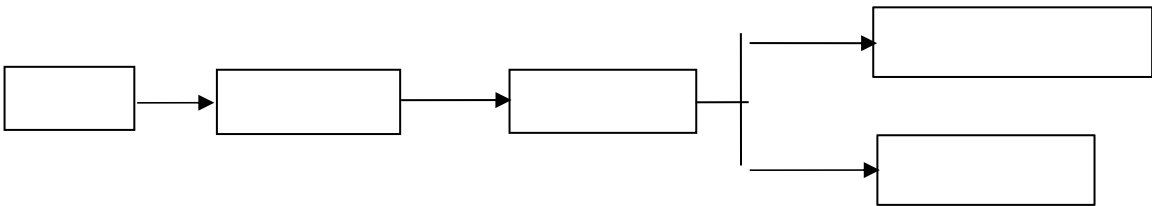
2.6-2



2.6-3



2.6-4



2.6-5

2.7

2.7.1

1

91210300725665288M

2024 12 10

2

[2024]100036

2023 02 11 2026 02 10

3

LNFYJC/B/TY2025003420

2025 09 19

3

2.7.2

1

2

5

3

4

380/220V

TN-S

UPS

5

5

6

7

8kg

1

8kg

5

5kg

CO₂

5

35kg

2

8kg

2

2m³

7

15

8

5

5m 2

3m

3.

3.1

3.1.1

GB18218-2018

1

2

3.1.2

1

2

$$S=q_1/Q_1+q_2/Q_2+.....+q_n/Q_n\geq 1$$

S——

q₁ q₂...q_n——

t

$Q_1 \quad Q_2 \dots Q_n$ —

3

3.1.3

3.1-1

3.1-1

1		200t
2		5000t

90m³

0.75

67.5t

30m³

0.89

26.7t

$S=67.5/200+26.7/5000=0.34284<1$

3.2

3.2.1

mg/m³ 300

2

3

1.5

4

1

30

2

3

1000m³

15min

-18 =1 0.87 0.9
282-338
0.6%~7.2%

5 0 -10 60 -20
50 -35 -50 45

15min

10

3.2.2

3.3

3.3-1

3.3-1

--	--	--	--

1			
2			
3			
4			
5			
6			
7			

3.3.1

1

Φ

$\hat{c}$

1986 5 2

3

4

5

“ ” “ ”

3.3.2

1

2

3

3.3.3

5.

8

5-1~9

一、基 件

5-1

	1		
	2		
	3		
	4		
	5		

二、安全

5-2

	1		
	2		
	3		
	1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		

	11		
	12		
	13		
	14		
	15		
	16		
	18		
	19		
	1		
	2		
	3		
	1		
	1		
	2	GB/T29639-2020	
	3		
	1		
	2		
	3		

2025 1 17

三、总图布

5-3

	1			

				5.0.1	
2					
		6m	4m		11m
		8%		GB50156-2021	8%
				5.0.2	
3				GB50156-2021	
				5.0.3	
4	W	门	“ ” “		“
	”			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
8					
	14.2.10		I		

“ ” “ ”

10

GB50156-2021

5.0.11

11

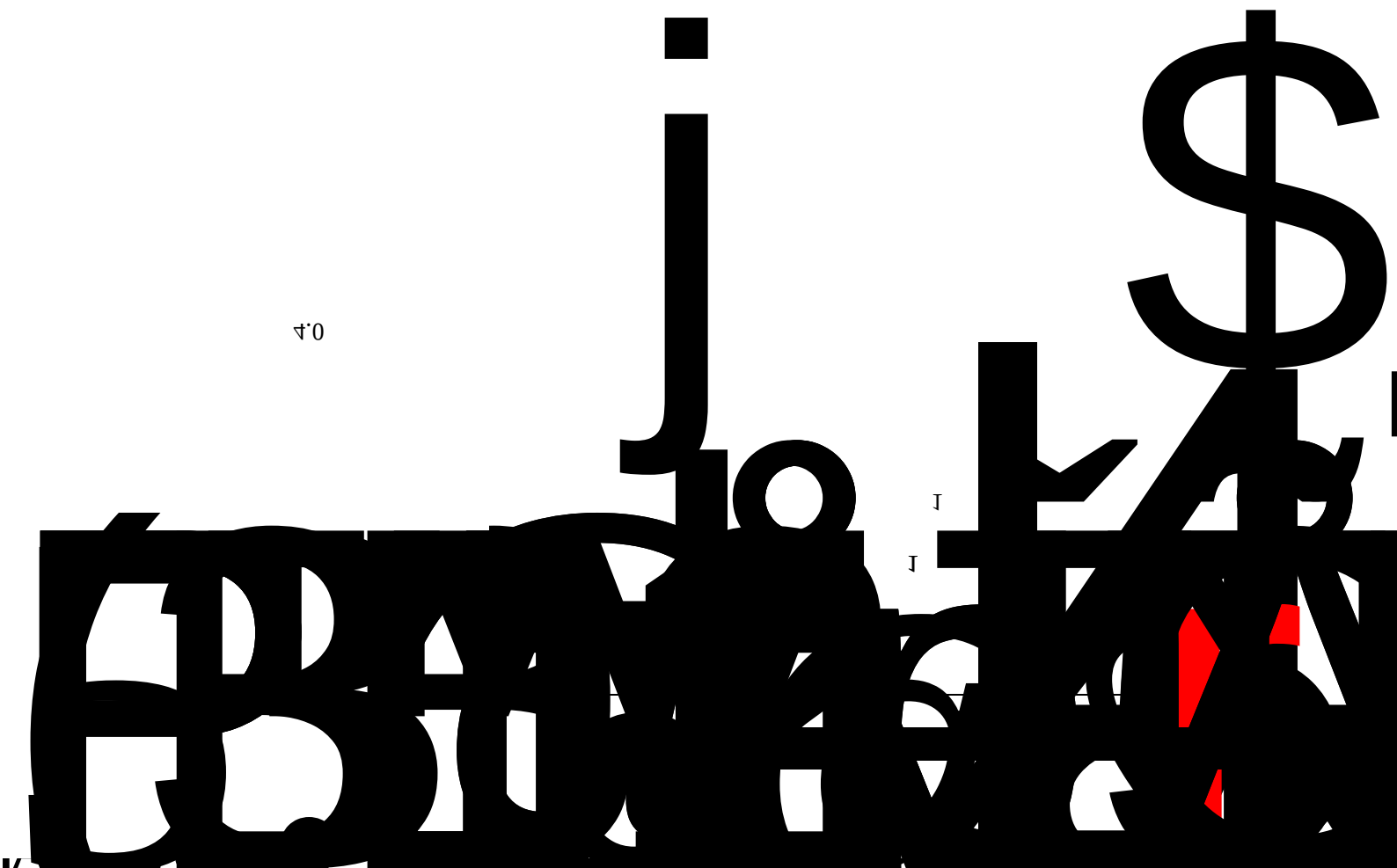
2.2m

4.0.4

1.5

25m

0.4



2

GB50156-2021

6.1.2

3

	50mm			
	1.0 1.2			
	25mm		25mm	
8	100mm T	50mm 45° 150mm	100mm 45° 150mm	
9	4m 2m	GB50156-2021 6.3.8		
10	50mm	GB50156-2021 6.3.9	4m	
11	2kPa~3kPa 1.5kPa~2kPa	GB50156-2021 6.3.10	50mm	
12		GB50156-2021 6.3.11		

	GB/T8163 4mm 4mm 108Ω·m 1010Ω	GB 50156-2021 6.3.12	GB/T8163 4mm	
13		GB50156-2021 6.3.13		
14		GB50156-2021 6.3.14		
15	2‰ 1%	GB50156-2021 6.3.15	2‰ 1%	
16	6.3.15 1%	GB 50156-2021 6.3.16		
17	0.4m 0.2m 100mm	GB50156-2021 6.3.17	0.5m 0.3m 0.2m	
18		GB50156-2021 6.3.18		

	30mm	10mm			
	24		GB50156-2021 6.5.4		
	25	6.3			
	5mm		GB50156-2021 6.5.5		
	5%				
	26	3.5mm	GB50156-2021 6.5.6	3.5mm	

53

47

6

五、施及排

5-5

	1		8kg	
	2	2 5kg	4	
	1 5kg	GB50156-2021 12.1.1	35kg	

	3		AQ3010-2022 5.1.6		
	4	“ ”	XF/T3004-2020 8.1		
	5	“ ”“ ”	XF/T3004-2020 8.4		
	6				

1010

六、

5-6

	1		GB50156-2021 1 .1.1	
	2	380/220V	GB50156-2021 1 .1.2	380/220V
	3	90min	GB50156-2021 1 .1.3	2h
	4			

GB50156-2021

13.1.4

4.5m

5m

4.5m

3m

5

GB50156-2021

13.1.5

6

0.65mm

0.7mm

5

GB50156-2021
13.2.7

6

GB50156-2021
13.2.8

7 380/220V TN-S
380V TN-C-S

GB50156-2021
13.2.9

9 10

GB50156-2021
13.2.10

8 30Ω

GB50156-2021
13.2.10

$$\begin{array}{cc} \vee & \wedge \\ \text{---} & \text{---} \end{array}$$

43

七、建 化

5-7

	1	140kw	GB50156-2021 14.1.3	
	2	12 5 300cm ² /m ² 2	GB50156-2021 14.1.4	
	3		GB50156-2021 14.1.5	
	1		GB50156-2021 14.2.1	
	2	4.5m 2m	GB50156-2021 14.2.2	6m GB50009 GB/T50011

GB50068

GB50009

GB/T 50011

3

0.15 0.2m
1.2m

1.2m
0.2m

0.6m

GB50156-2021
14.2.3

0.6m

100mm

0.5m

4

		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

10

7

八、大产安全事故患

5-8 20

	“ ”			

+e"D7

20

20

10

10

九、

5-9

	5	5	0	0
	31	31	0	0
	24	23	0	1
	53	47	0	6
	10	10	0	0
	28	26	0	2
	17	10	0	7
	20	10	0	10
	188	162	0	26

5-9

188

26

162

35kg

1

2

8kg

-

2

2m^{32m}

6.

1

2

3

“

”

“

”

“

”

4

5

6 “ ” “ ”

7

8

9

10

11

2018 74

12

7.

GB50156-2021

1.

GB50058-2014

1 0

2 1

3 2

2.

1

3.

1

1

1

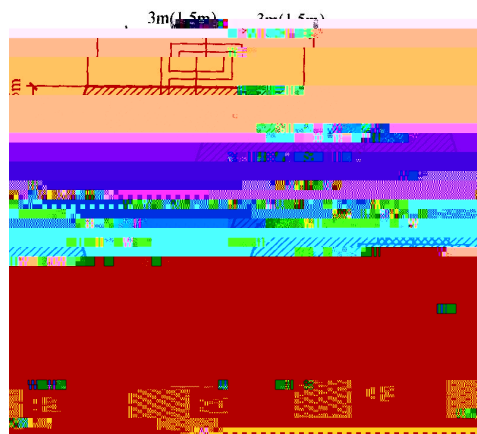
2

4.5m

0.15m

3m

2



1

4.

2

1

0

2

1.5m

0.5m

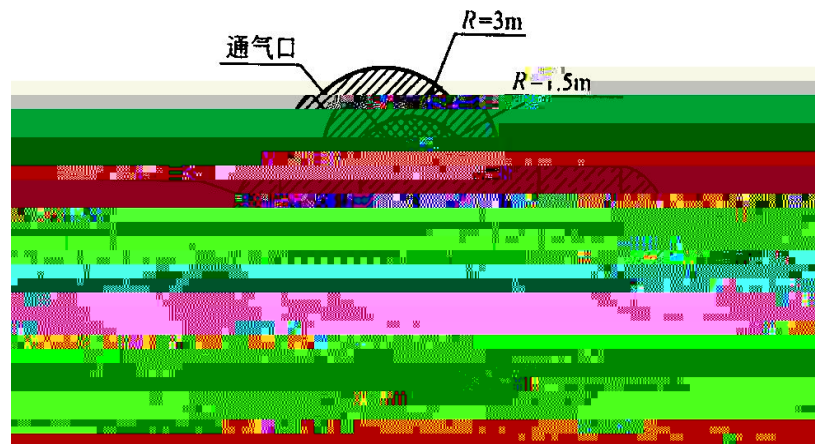
1

3

3m

1.5m

2



2

5.

3

1

0

2

1.5m 0.75m

0.5m

1

3

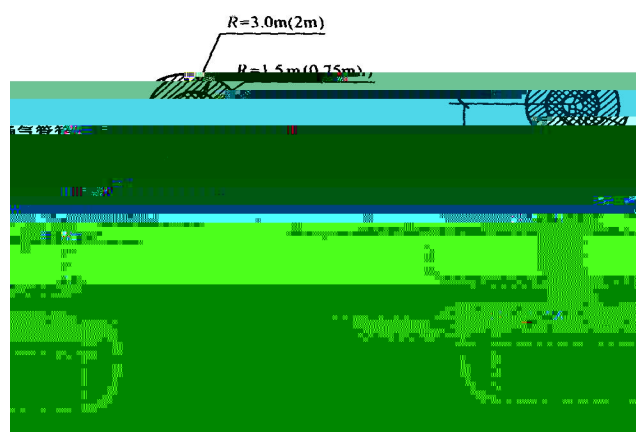
1.5m

1m

3m 2m

1.5m

2



3

