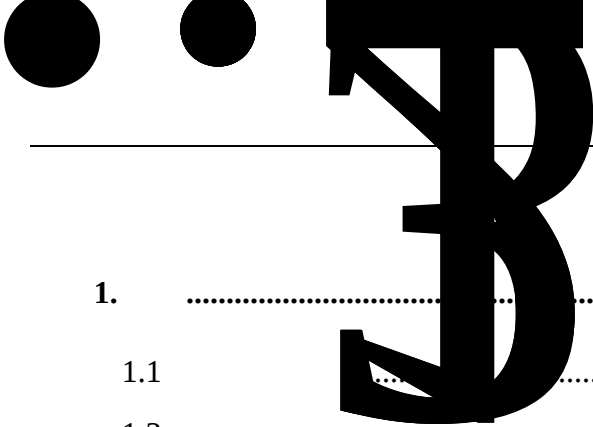

11

2015

1674

≤ 60



1.	.....	1
1.1	.....	1
1.2	.....	1
1.3	.....	5
1.4	.....	5
2.	.....	7
2.1	.....	7
2.2	.....	7
2.3	.....	9
2.4	.....	13
2.5	.....	13
2.6	.....	14
2.7	.....	16
3.	.....	

1.

1.1

1.2

1.2.1.

1						2021	9	1	
2						2024	11	1	
3					591	2013	12	7	
645									
4					708	2019	4	1	
5									1
2019	1	1							
6								3	2015
5	29			80	2015	7	1		
7									16
2008	2	1							

8								44	2015	5
29				80		2015	7	1		
9									55	
2015	3	23			79		2015	7	1	
10								2	2019	9 1
11									2025	5
2025	1	27								
12										
	2020	3		2020	4	1				
13							<			>
		2021	12		2021	12	31			
2022	6		2022	4	2					
14								“	”	
		2025	4		2025	2	10			
15										
	2016	8		2016	2	5				
16					2015					
2015	5		2015	5	1					
17									2015	
					2015	80		2015	8	19
18										
	2011	95		2011	7	1				
19										
					2011	142		2011	7	1
20										
					2017	121		2017	11	13

2019 78

22

2019	62	2019	12	26
------	----	------	----	----

23

2020 1 2020 5 30

24

341 2021

5 18

25

2017 45 2017 12 23

26

2012 144 2012 8 30

27

 $\angle$
$$>$$

2017 22 2017 11 28

28

2018 21

2018 8 31

29 < 2015 > “1674 [≤60] ”

“1674”

2022

8 2023 1 1

30

 $\angle$

2015

 $\succ$

2022	300	2023	1	1
------	-----	------	---	---

31

2022 317 2022 12 20

1.2.2.

1

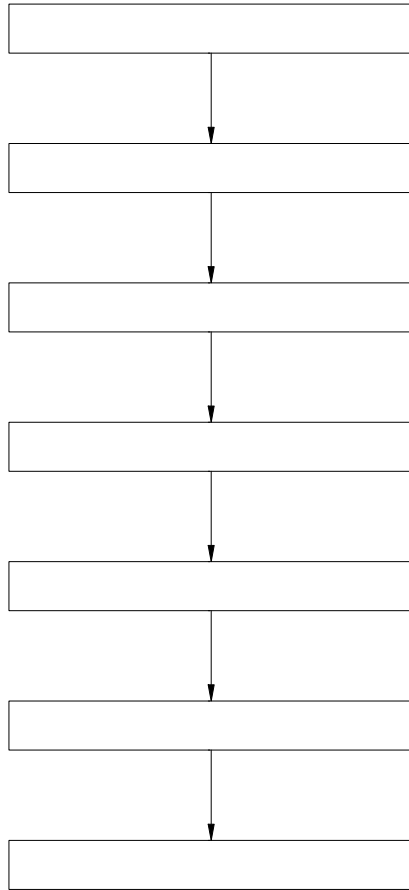
GB50156-2021

2	GB6944-2012
3	GB 12268-2012
4	GB 18218-2018
5	GB 17914 2013
6	GB 50058-2014
7	AQ 3009-2007
8	GB/T 6441-1986
9	GB/T 13861-2022
10	GB 50140-2005
11	GB 50057-2010
12	GB 12158-2006
13	GB/T 50610-2010
14	GB 50395-2007
15	GB/T 29639-2020
16	YJ/T 9007-2019
17	AQ 3010 2022
18	GB30871-2022
19	XF/T 3004 2020
20	GB/T 50493-2019
21	GB55036-2022
22	GB/T 13869-2017
23	GB/T 34661-2017
24	GB/T 35579-2017
25	GB/T 50759-2022
26	AQ 8001-2007

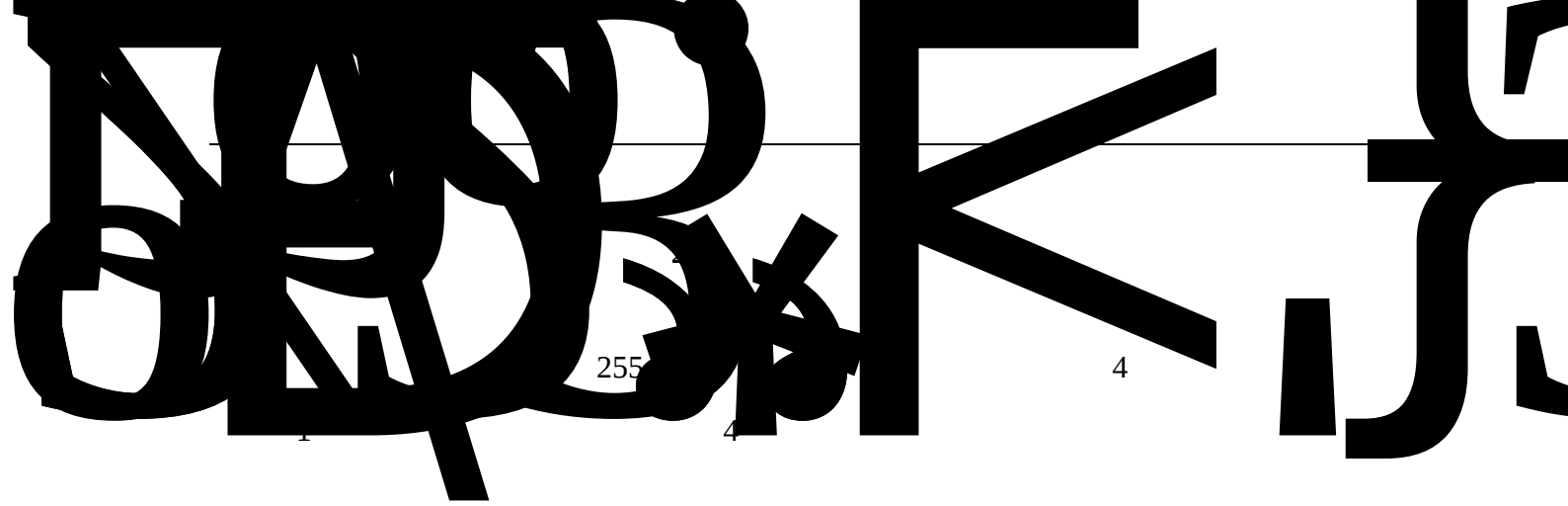
1.2.3.

1	2005 4
---	--------

2						2002
11						
3					2003	7
		1.3				
1						
2						
3						
4						
5						
6						
		1.4				
						1.4-1



1.4-1



255 4 4

4 2 30m³ 2 30m³

90m³ 1 24m³ CNG 1 6m³ CNG

GB50156-2021

3.0.15

2023 4 2025 1



2.1

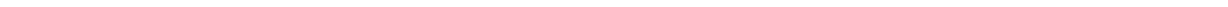
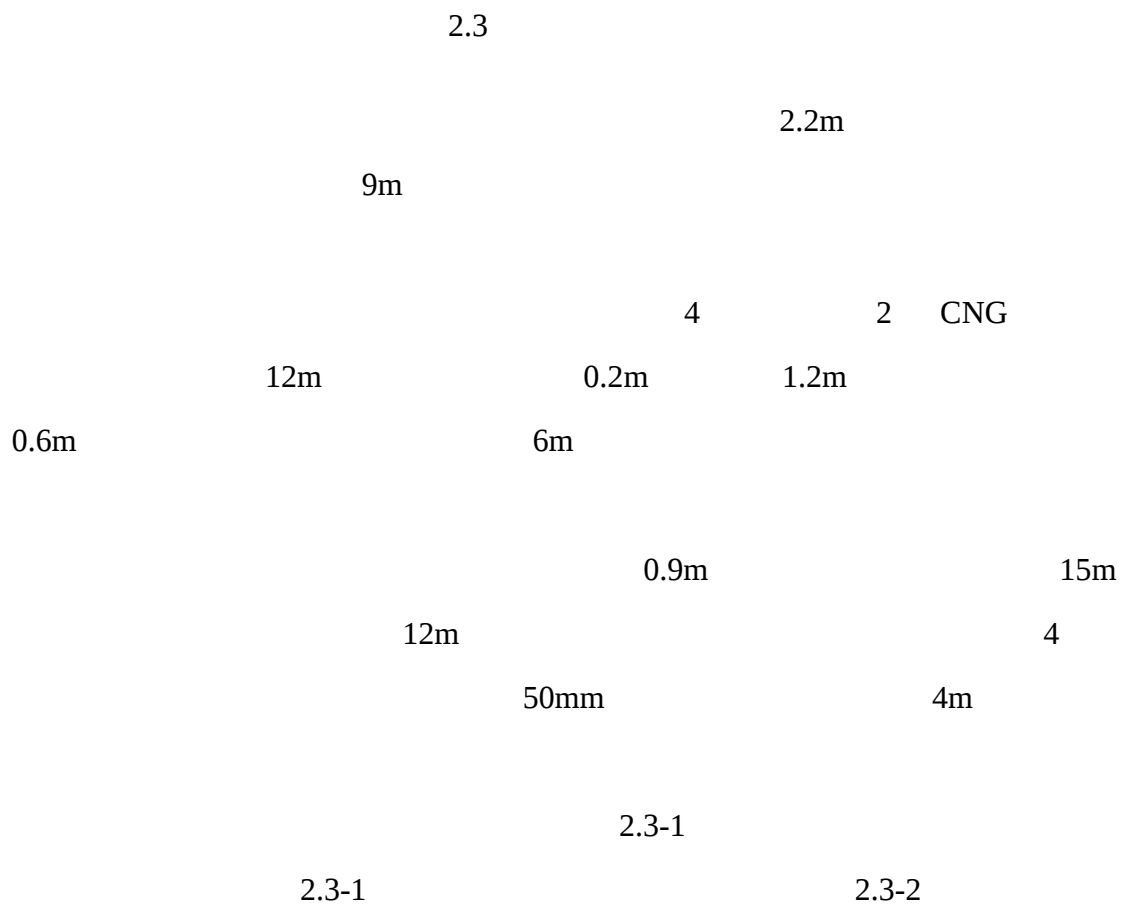
11

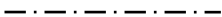
1 56.5m 63m 2

35 42m

25m H= P

		6.9
2		
		69%
		67%
	7	78%
	1	61%
3		
		101.2kPa
		103.9kPa
		96.9kPa
4		
		755.4mm
		997.3mm
		520.5mm
		178.8mm
		42.6mm
5		
		250.0mm
6		
		3.2m/s
		23m/s
7		
		28.3d
		42d
8		
		7
		1.40m





=



Topic

° Ø B2FRXB, ñ00 E0E21ă0

2.3-2					m									
	0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-
	0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	3	34.3
	-	-	-	-	-	-	-	-	-	-	-	-	2	34.3
CNG	6	24	4	17	8	19	6	19	6	22	6	15	6	45
CNG	6	23	4	15.5	8	29	6	29	6	21	6	16	6	42
CNG	6	27	4	23	6	37	4	37	6	30	6	24	6	51
CNG	4	5	3	5	8	28	6	28	4	7	4	12	4	23
CNG	4	25	3	18	8	30	6	30	4	25	4	18	4	47
	6	28	4	24	6	38	4	38	4	31	4	25	6	50
	4	14	3	14	4	37	3.5	37	5	9	4	21	5	15
	2	17	2	25	2	28	2	28	-	-	-	-	-	-

2.4

2.4-1

2.4-1

1			140m ²			
2			550m ²			H=6m

2.4-2

2.4-2

1.		2	30m ³	-	
2.		2	30m ³	-	
3.		3	ICJSK-50H42 44Q		
4.		1	ICJSK-50H42 44Q		
5.		1	-	-	1
6.		1	-	-	
7.		1	XFY-VR-M2/8 A		2.69KW 8m ³ /h
8.		14	-	-	5 4m 1 3m 1 3m
9.		1	-	-	
10.		1	GT-FGA1000 B		CT ₆

2.5

10

1

2.6

1

2

3

1

2min

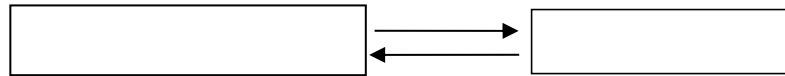
2.6-1

2.6-2

2.6-3

2.6-4

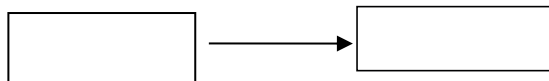
2.6-5



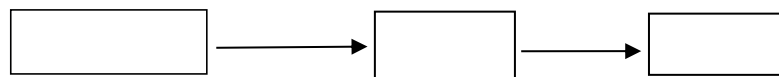
2.6-1



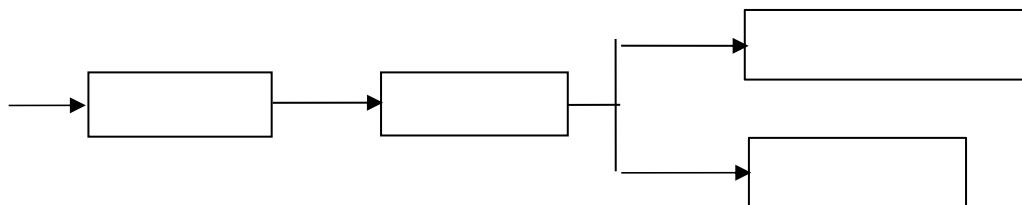
2.6-2



2.6-3



2.6-4



2.6-5

m

m



3

4

Ge@R-1
Ge@380/220V

TN-S



3m

3.

$$Q_1 \quad Q_2 \dots Q_n \text{ ————— } t$$

3

3.1.3

3.1-1

3.1-1		
1		200t
2		5000t

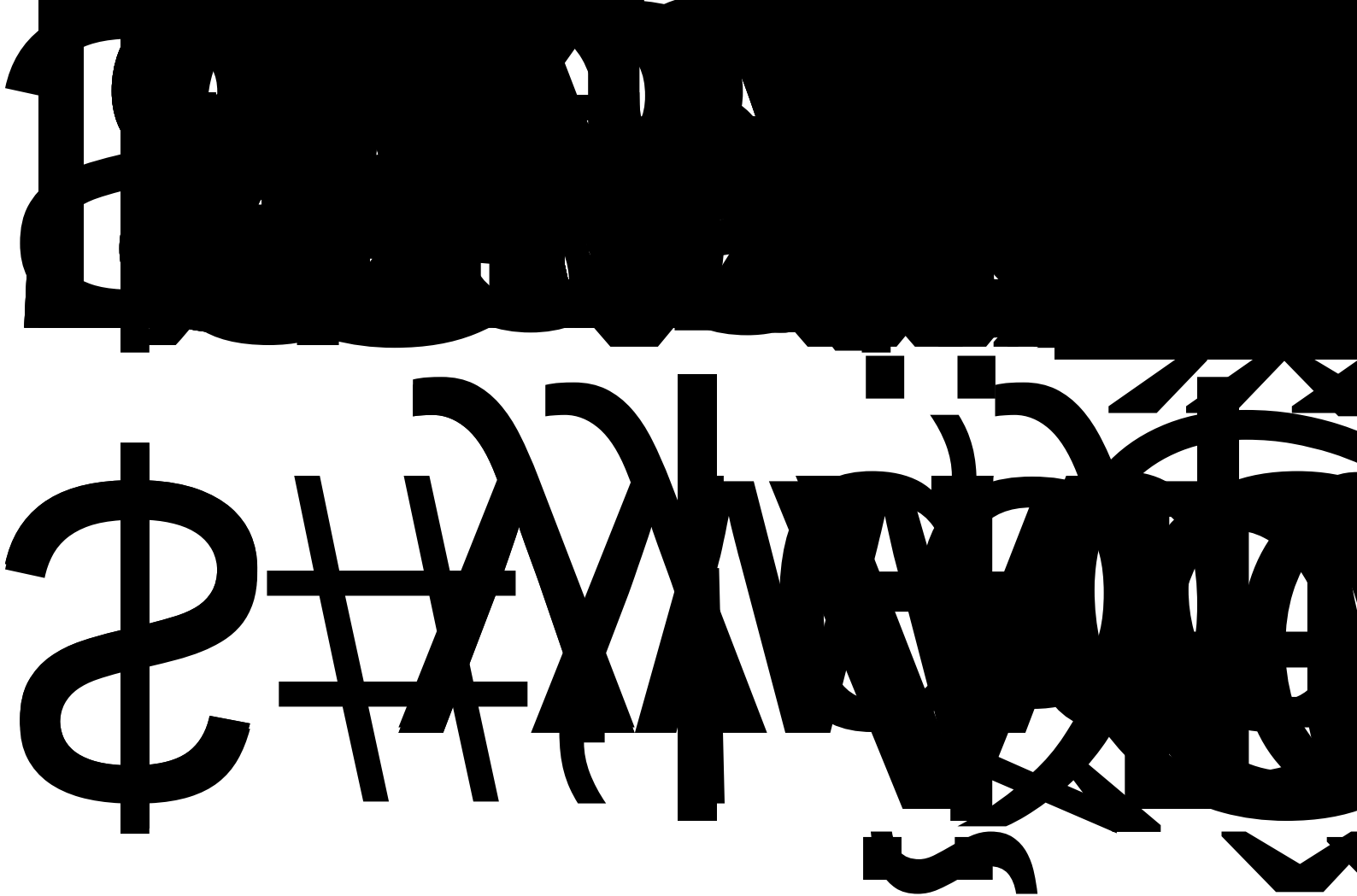
$$\begin{array}{ccccccc}
 & & 60\text{m}^3 & & 0.75 & & \\
 45\text{t} & & 60\text{m}^3 & & 0.89 & & 53.4\text{t} \\
 S=45/200+53.4/5000=0.23568<1
 \end{array}$$

3.2

3.2.1

$$\begin{array}{ccccccc}
 & & 2^* & & 1\text{B} & & 2 \\
 1 & & - & & 2 & & - & & 2 \\
 & & 1630 & & & & & &
 \end{array}$$

$$\begin{array}{ccccccccccc}
 & & & & 92 & & 95 & & 98 & & 3 & & =1 \\
 0.72 & 0.775 & & & =1 & 3 & 4 & & -46 & & 1.4\% & 7.6\% \\
 & & 415 & 530 & & & & & 0.813\text{MPa} & & & &
 \end{array}$$



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



70m

6

46

ш

PÑep



„P+D” € Q

Q V X3, 8i

"é

4

CNG

CNG

CNG

CNG

5~16%

650

5

3.3.2

1

2

3

3.3.3

3.3.4

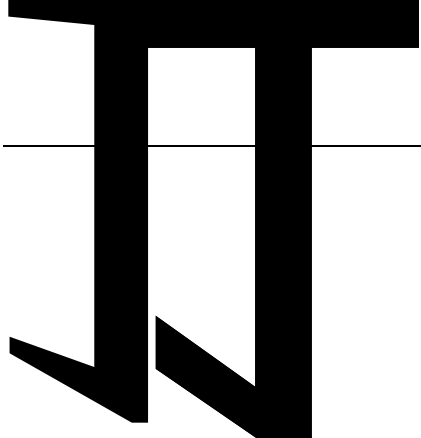
3.3.5

3.3.6

3.3.7

1

2



4.

4.1

5.

8

5-1~9

5-1

	1		
	2		
	3		
	4		
	5		

5-2

	1		
	2		
	3		
	4		
	5		
	1		
	2		
	3		
	4		
	5		

	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		
	14		
	15		
	16		
	17		
	18		
	1		
	2		
	3		
	1		
	1		
	2	GB/T29639-2020	
	3		
	1		
	2		
	3		

5-3

1

GB50156-2021

8

GB50156-2021

5.0.11

9

2.2m

4.0.4

1.5

25m

GB50156-2021

5.0.12

2-1

4.0.4

10

GB50156

5.0.14

GB50156-2021

5.0.14

2-2

11

5.0.13-1

Θ

5.0.12

IJ

q

Φ

R

(,

m "

GB50156-2021

5.0.1

IJ

= Φ

,

m "

A

5.0.15

12

10	0.5m		GB50156-2021 6.1.12
	0.3m		
11			GB50156-2021 6.1.13
12			GB50156-2021 6.1.14
13	90%	95%	GB50156-2021 6.1.15
14			GB50156-2021 6.1.16
15	0.8L/h		
	SH/T 3022		GB50156-2021 6.1.17
1			GB50156-2021 6.2.1
2	50L/min		GB50156-2021 6.2.2
3			GB50156-2021 6.2.3
4			GB50156-2021

	1.5kPa~2kPa	6.3.11		
13		GB50156-2021 6.3.13		
14		GB50156-2021 6.3.14		
15	2‰ 1%	GB50156-2021 6.3.15	2‰ 1%	
16 0.4m 100mm 0.2m		GB50156-2021 6.3.17	0.5m 0.3m 0.2m	
17		GB50156-2021 6.3.18		
18 6.3.12 1. 2.8m/s 2.		GB50156-2021 6.3.19		
19 GB/T21447		GB50156-2021 6.3.20	GB/T21447	
20		GB50156-2021 6.5.1		

	5%			
	1	GB/T 50493	AQ3010-2022 4.5	
	2		GB/T50493-201 9 3.0.8	
	3	0.5m	GB/T50493-201 9 6.1.1	
	4	0.3m~0.6m	GB/T50493-201 9 6.1.2	
	5		GB/T50493-201 9 6.2.1	

5-5

--	--	--	--	--

	1	GB50395-2007 5.0.1		
	2	GB50395-2007 5.0.5		
	3	GB50395-2007 5.0.8		
	1	GB50156-2021 13.5.1		
	2. 1 3	GB50156-2021 13.5.2		
	3.	GB50156-2021 13.5.4		

5-7

--	--	--	--	--

1

140kw

2m

2

4.5m

2m

GB50068

8

B

GB50156-2021

GB50016

14.2.11

9

3h

GB50156-2021

14.2.12

3h

10

GB50156-2021

14.2.13

1

14.5.1
GB50156-2021

3

	“	”		

	5-9			
	5	5	0	0
	33	33	0	0
	22	21	0	1
	49	43	0	6
	7	7	0	0
	28	27	0	1
	17	12	0	5
	20	12	0	8
	181	160	0	21

5-9

181

21

160

6.

1

2

3

“

”

“

”

“

”

4

5

6 “ ” “ ”

7

8

9

10

11

2018 74

12

7.

GB50156-2021

GB50058-20

1 0

2 1

3 2

2.

3.

1

2

5

∇

3

1

1

Π Λ' ΟΒΥΕ ,ΟΗ Ε ΣΣΑ) ΤΟ ΟΛΥΒΟ ΟΞΥ, ΟΠ ΥΟ Ο35,0 0

!

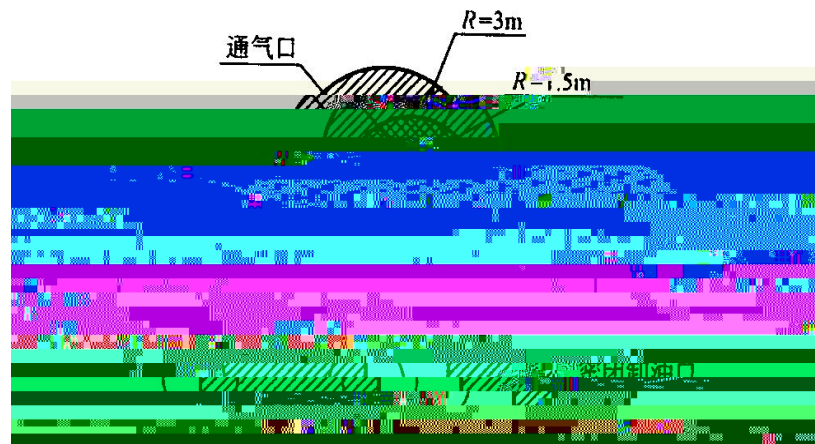
 $\text{V} \quad \text{O}$

Aê

3
1.5m

3m

2



2

5.

3

1

0

2

1.5m 0.75m

0.5m

1

3

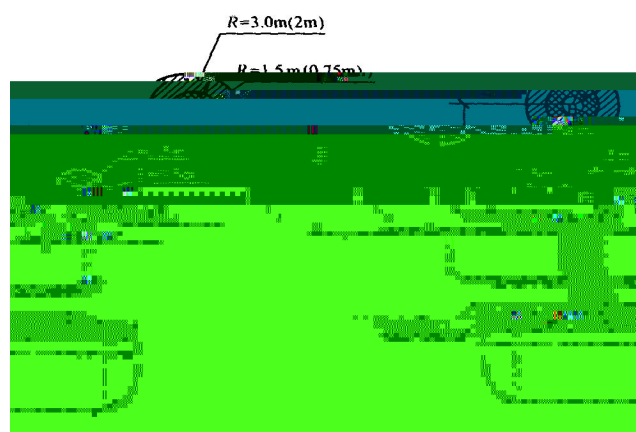
1.5m

1m

3m 2m

1.5m

2



3

A