
1.	.....	1
1.1	.....	1
1.2	.....	1
1.3	.....	1
1.4	.....	5
2.	.....	7
2.1	.....	7
2.2	.....	7
2.3	.....	7
2.4	.....	16
2.5	.....	16
2.6	.....	16
2.7	.....	18
3.	.....	21
3.1	.....	21
3.2	.....	22
3.3	.....	26
4.	.....	32
4.1	.....	32
4.2	.....	32
5.	.....	33
6.	.....	62
7.	.....	65
	.....	65
	.....	65

1.

1.1

1.2

1.2.1.

1

2021 9 1

2

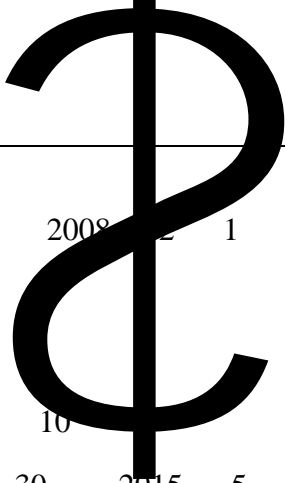
2021 4 19 . n

3

591 2013 12 7

645

4



16

2008 2 1

2 2019 9 1

10

30 2015 5 29

80 2015 7 1

11

44 2015 5

29

80 2015 7 1

12

55

1 2015 3 23

79 2015 7 1

13

15



5

36

>

37

<

2017 5 2017 9 13
î

2016 11 2016 ê

010

20	(GB/T12801-2025)	
21	(GB 5083-2023)	
22	YJ/T 9007-2019	
23	(AQ 3010-2022)	
24	AQ 3018-2008	
25	GB30871-2022	
26	XF/T 3004-2020	
27	-	SH/T
3178-2015		
28	GB/T 13869-2017	
29	AQ 8001-2007	

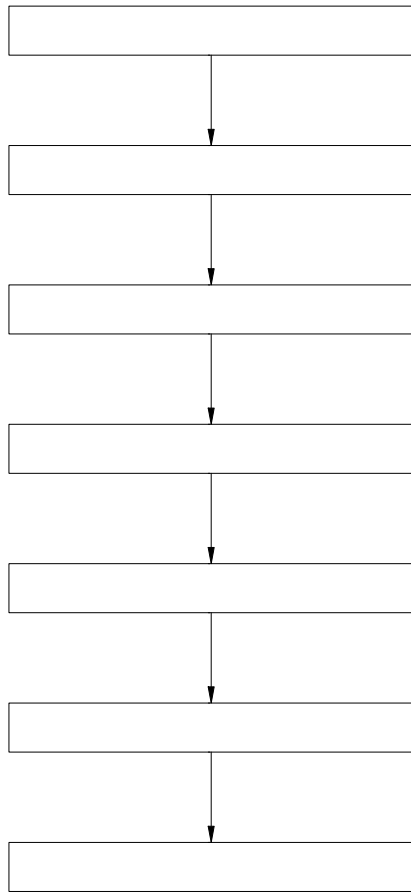
1.2.3.

1	2005	4	
2			2002
11			
3		2003	7

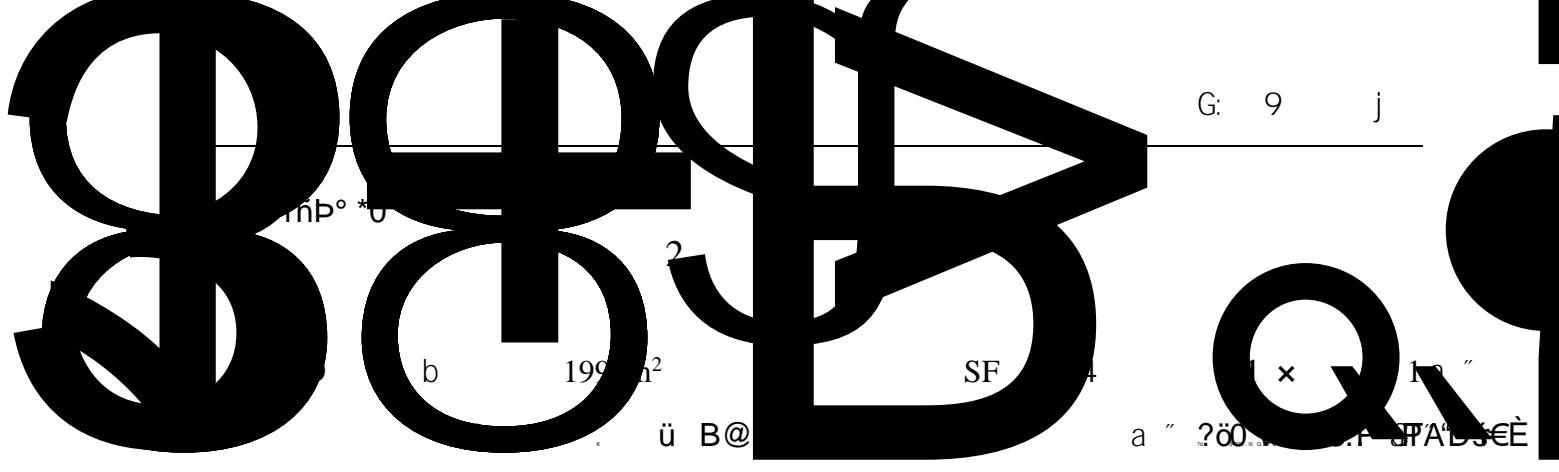
1.3

- 1
- 2
- 3
- 4
- 5

1.4



1 1



1y

B 1 B@ Uæñ'@ùž P 4B "IP

5.5m

5.5m

6.5m

0.6m

0.5m

2

2

4m

2-1

2-1

2-2

2-1

m

			10.5	25.8
1			12.5	20
2	H=8m		5	31
			10.5	34.3
1	H=8m		5	32
1	H=6m	-	5	44
			10.5	13
2			7	44.8
			3	10.5
2	H=6m	-	5	5

c

I

	2		7	55
			7	9
	2 H=6m	-	5	7
			7	34
			5	49.3
			10.5	19
	1		12.5	27
	2 H=8m		5	17
			10.5	16
	1 H=8m		5	14.5
	1 H=6m	-	5	23
			10.5	21
	2		7	28.8
			7	34
	2 H=6m	-	5	13
			7	60
			5	25.5

				9	40
	1 H=8m			5	35.8
	1 H=6m		-	5	49
				9	18
	2			6	49.5
				6	10.5
	2 H=6m		-	5	11
				6	35
				3	43
				9	27.5
	1			10	17
	2 H=8m			5	32.4
				9	40.5
	1 H=8m			5	37.5
	1 H=6m		-	5	49.3
				9	19.5
	2			6	55
				6	9
	2 H=6m		-	5	7
				6	34

2-2

m

	2-2				m									
	0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-
	0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	3	5.3
	-	-	-	-	-	-	-	-	-	-	-	-	2	5
	4	5.5	3	5.5	4	11	3.5	11	5	6	4	18	5	6.5
	2	8.5	2	8.5	2	8	2	8	-	-	-	-	-	-

2.4

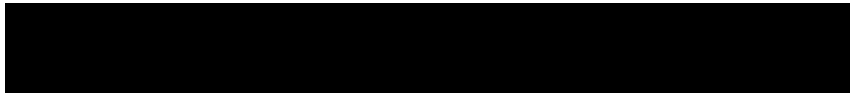
2-3

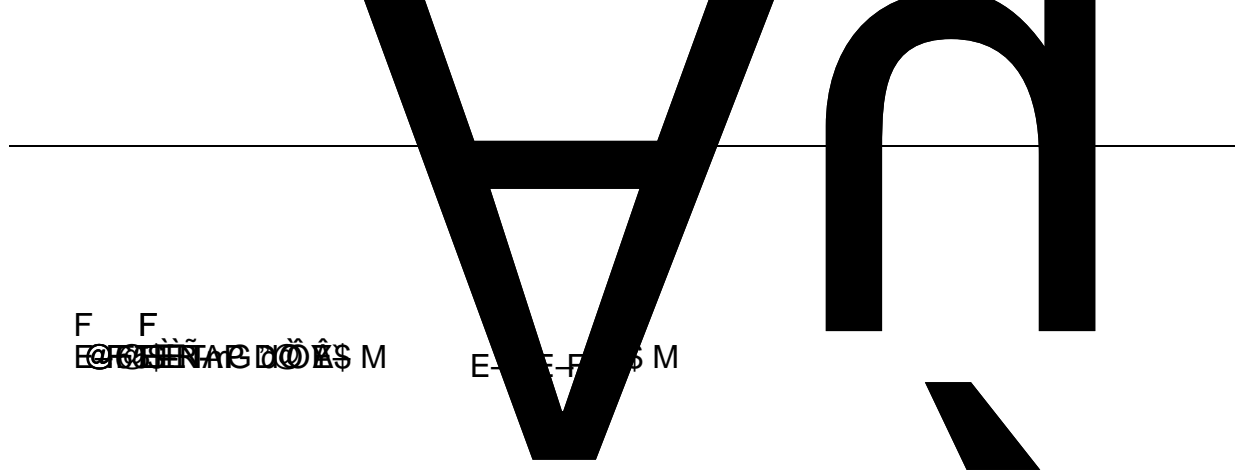
2-3

1			120m ²			
2			288m ²			H=6m

2-4

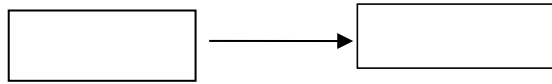
2-4



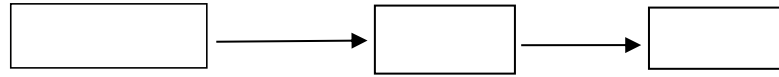


F F
CRENÇAS M

E E F S M



2-4



2-5

2.7

2.7.1

1

9121032177143494XM

2023 4 17

2

[2023]100043

2023 4 25

3

LNFYJC/B/TY2025003703

2026 4 10

4

3.

$Q_1 \quad Q_2 \dots Q_n$ ——— t
 3

3.1.3

23 60 3-1

3-1

1		200t
2		5000t

60m³ 0.75

45t 60m³ 0.8

1

30

2

3

1000m³

ú Ø+X Np §

€
V, B, W, S, Q, Os, L, > Q

o

15min

3-2

1			
2			
3			
4			
5			
6			

3.3.1

1 7



1986 5 2

3

4

3.3.2

1

2

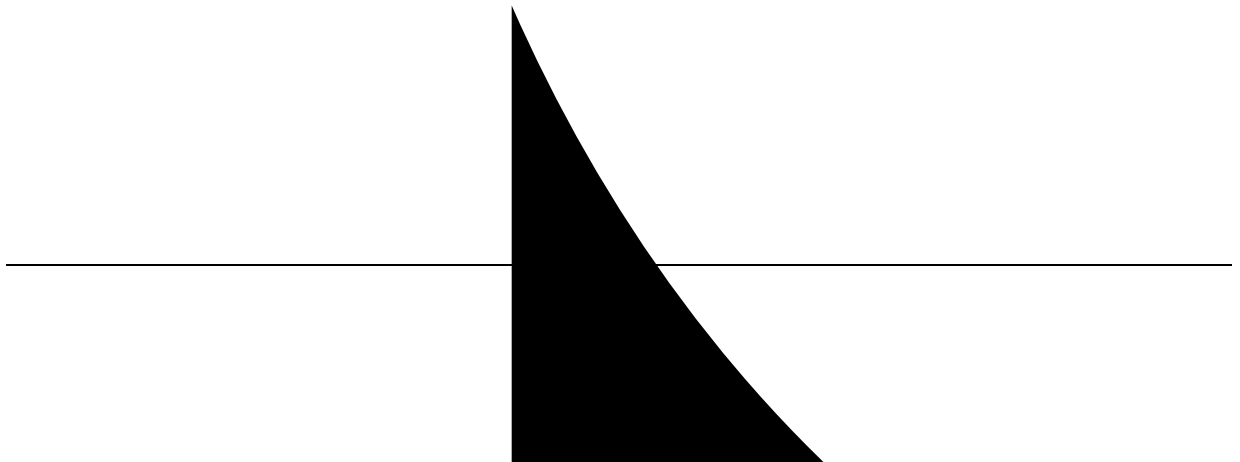
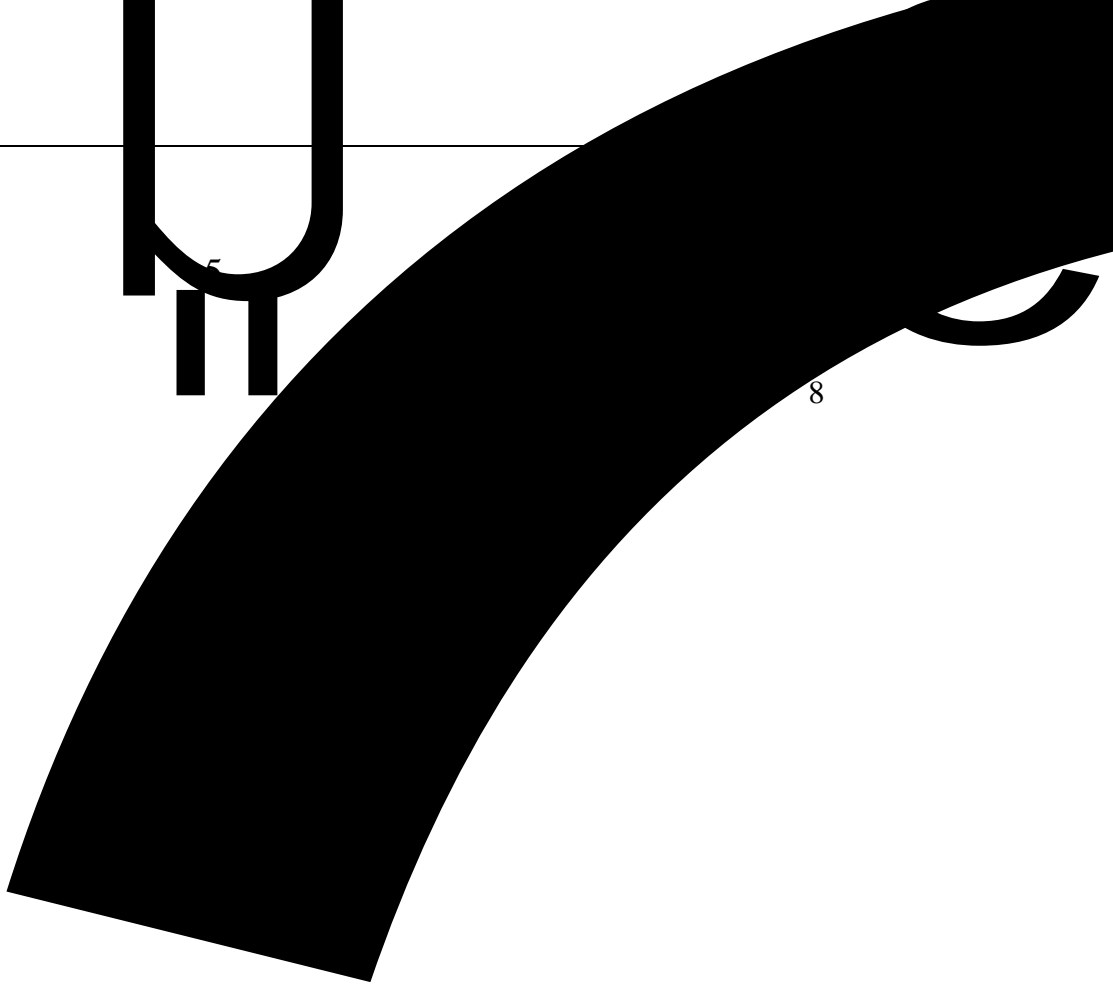
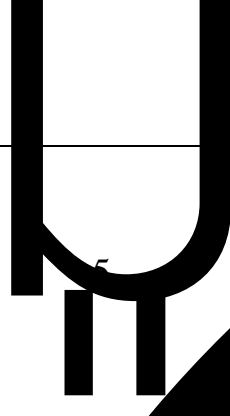
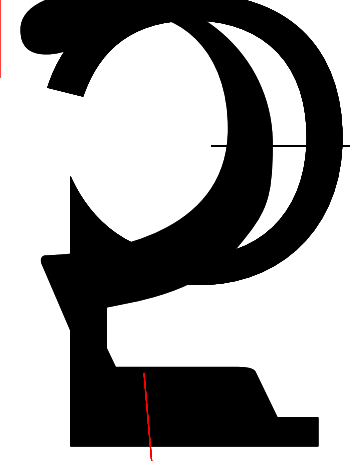
3

3.3.3

ë

4.

4.1



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

2025 1 17

5-3

1

GB50156-2021
3.0.4

2

GB50156 3.0.9

GB50156-2021
3.0.9

30m³

3

GB50156-2021
3.0.25

)

8

4

GB50156-2021
3.0.27

1

GB50156-2021
1\ 4.0.1

2

(附) 表

	12 GB50156 5.0.13-1	GB50156-2021 5.0.13	2-1 2-2	
	13 C	GB50156-2021 5.0.16		

5-4

	1	GB50156-2021 6.1.1		
	2	GB50156-2021 6.1.2		
	3 6.1.4 0.08MPa	GB50156-2021 6.1.4	SF	
	4 - SH/T3178	GB50156-2021 6.1.5	SF - SH/T3178	

5

10⁹
10⁹
A=0.04Vt
GB50156-2021
6.1.7
SF

6.

11.2
GB50156-2021
6.1.8
SF

7

GB50156-2021
6.1.9

8

4mm
80mm
SF
~~GB50156-2021~~
6.1.10

	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	
	0.8L/h			
	15	SH 3022	GB50156-2021 6.1.17	SF
	1		GB50156-2021 6.2.1	
	2	50L/min	GB50156-2021 6.2.2	5-50L/min
	3		GB50156-2021 6.2.3	

4

GB50156-2021

6.2.4

5

GB50156-2021

6.2.5

1

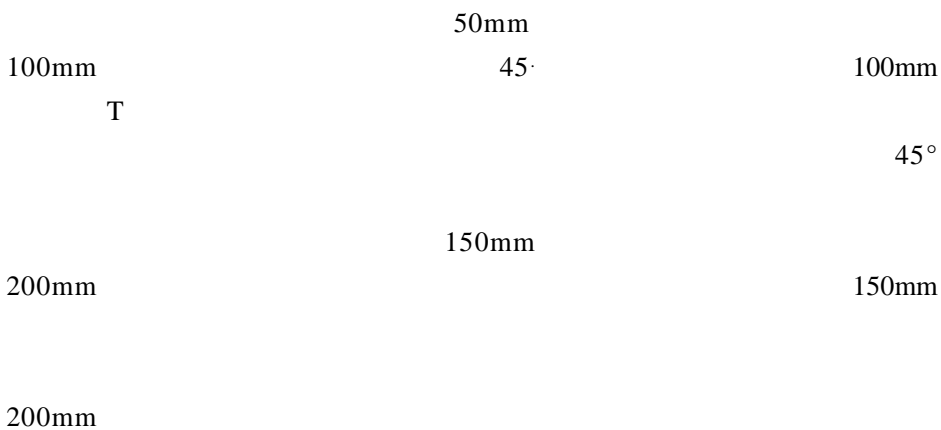
GB50156-2021

6.3.1

2

5		GB50156-2021 6.3.5		
6		GB50156-2021 6.3.6		
7	50mm 1.0 1.2 25mm	GB50156-2021 6.3.7	50mm 25mm	
8		GB50156-2021 6.3.8		

g



9

4m

~

a b c d e f

10^{10} $10^8 \cdot \text{m}$ 10^8
 100kV

6.3.18

18

6.3.12

1

2.8m/s

2

200mm

10mm 30mm

23

GB50156-2021

6.5.4

24

b

6.3

5mm

GB50156-2021

6.5.5

5%



	2	380/220V	GB50156-2021 13.1.2	380/220V	
	3	90min	GB50156-2021 13.1.3	90min	
	4	4.5m 4.5m 3m	5m GB50156-2021 13.1.4		
	5		GB50156-2021 13.1.5		
	6	LPG LNG CNG	GB50156-2021 13.1.6		
	7	GB50058	GB50156-2021 13.1.7		
	8	IP44	GB50156-2021 13.1.8	IP44	
	1	2	GB50156-2021 13.2.1	2	

2

4

GB50156-2021

13.2.2

8

30

GB50156-2021
13.2.10

a

9

GB50156-2021
13.2.11

10

5

GB50156-2021
13.2.12

11

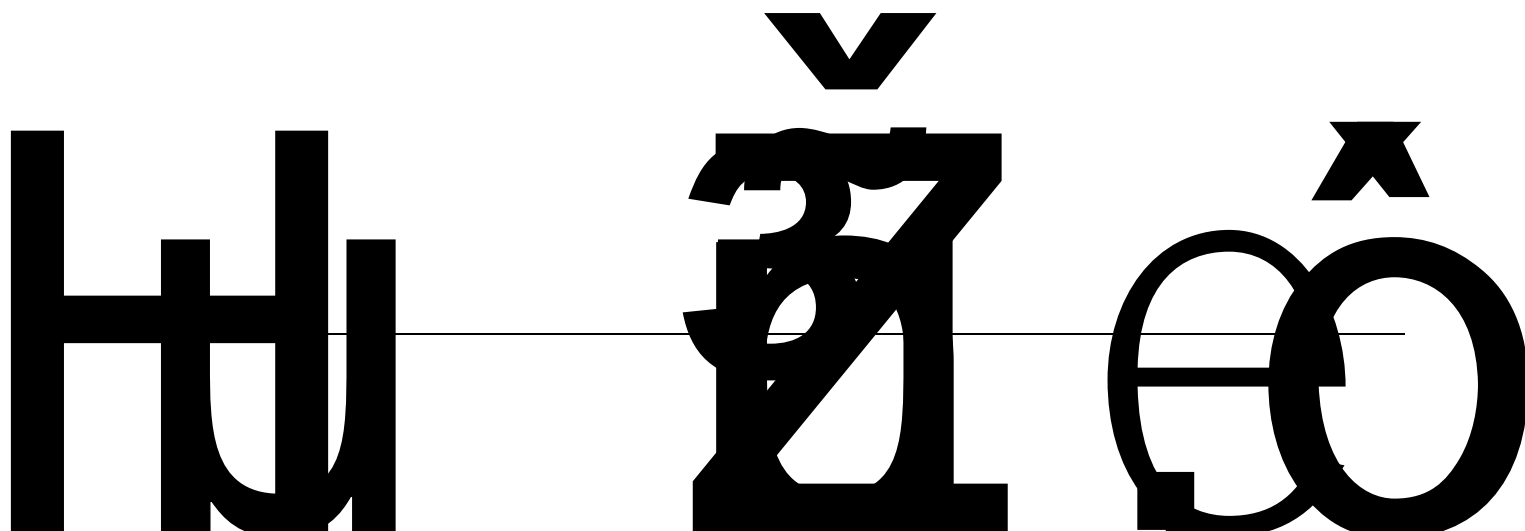
GB50156-2021
13.2.13
e 3 b

12

· m2

B2e-505I

†



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

c 3

5-7

1

140kw

GB50156-2021

2m

14.1.3

2

I Г 2110 2016
V

2

4.5m

2m

GB50068

GB50156-2021

14.2.2

GB50009

GB50011

	7 B GB50016		GB50156-2021 14.2.11	B	
	8	3h	GB50156-2021 14.2.12		
	9		GB50156-2021 14.2.13		
	10	25m 5.0.13 3.0h	GB50156-2021 14.2.14		
	11		GB50156-2021 14.2.15		
	12		GB50156-2021 14.2.16		
	1		GB50156-2021 14.3.1		

5-8

1

2

	1000m3		
--	--------	--	--

6.

1

2

3

" " "

" " "

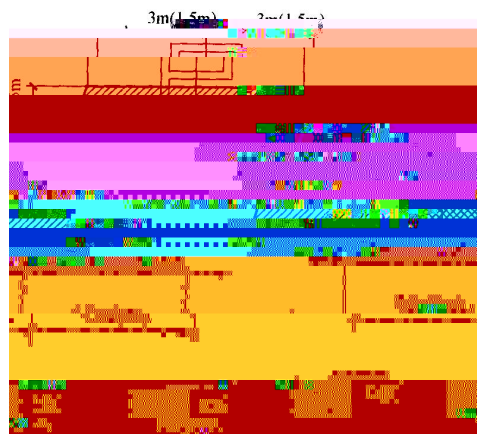
4

5

1.
GB50058-2014

1 0
2 1
3 2

2. 1
3. 1
1 1
2 4.5m
0.15m 3m 2

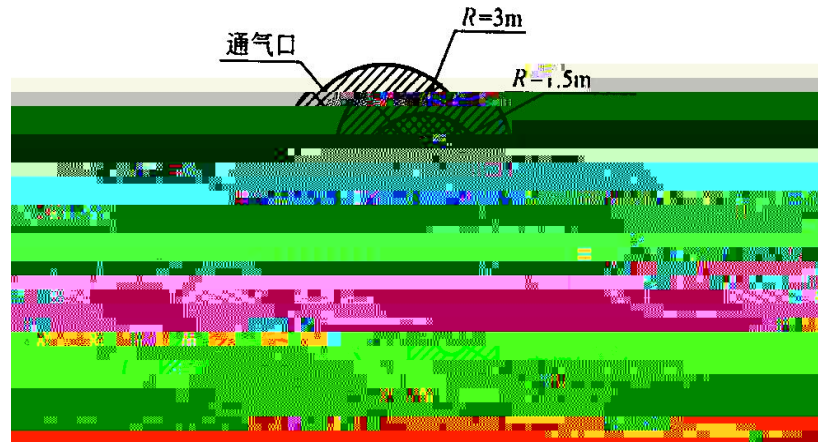


1
4. 2
1 0
2 1.5m 0.5m
1

3
1.5m

3m

2



2

5.

1

0

3

2

1.5m 0.75m

0.5m

1

3

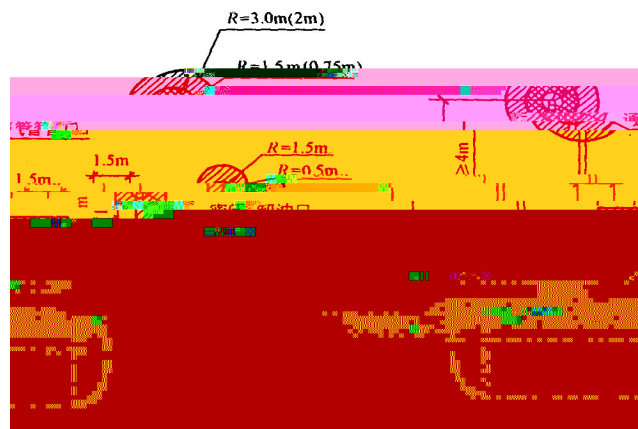
1.5m

1m

3m 2m

1.5m

2



3
