
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	.....	14
2.5	.....	14
2.6	.....	15
2.7	.....	16
3.	.....	19
3.1	.....	19
3.2	.....	20
3.3	.....	25
4.	.....	31
4.1	.....	31
4.2	.....	31
5.	.....	32
6.	.....	59
7.	.....	62
	.....	62
	.....	62

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										

16 2008 2 1

9 2 2019 9 1

10

30 2015 5 29 80 2015 7 1

11 44 2015 5

29 80

P

24

25

26

27

28

5 18

29

30

$$>$$

31

32

 $\angle$

1.2.2.

1	GB50156-2021
2	GB 6944-2025
3	GB 12268-2025
4	GB 18218-2018
5	GB 12

3178-2015

28 1 GB/T30040.1-2013

29 4

GB/T30040.4-2013

30 GB/T21447-2018

31 GB/T35579-2017

32 GB/T34661-2017

33 GB/T 13869-2017

34 AQ 8001-2007

1.2.3.

1 2005 4

2 2002

11

3 2003 7

1.3

1

2

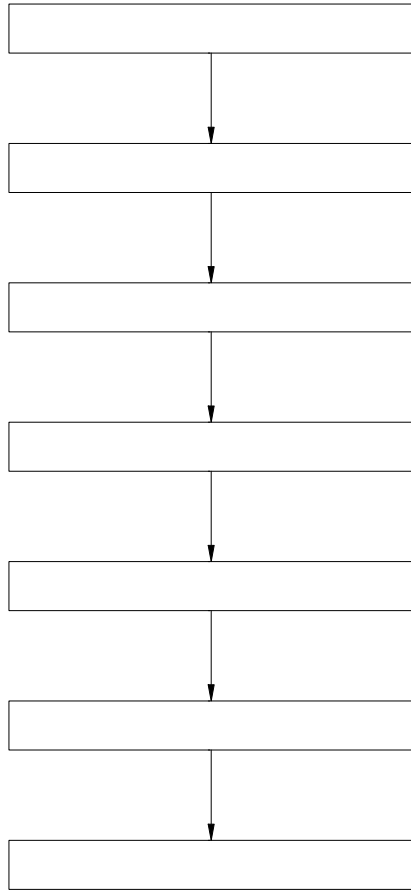
3

4

5

1.4

1-1



o w

2.

SF

4

1

1

1

4

3

1880m²

1

4

2

30m³

2

30m³

í

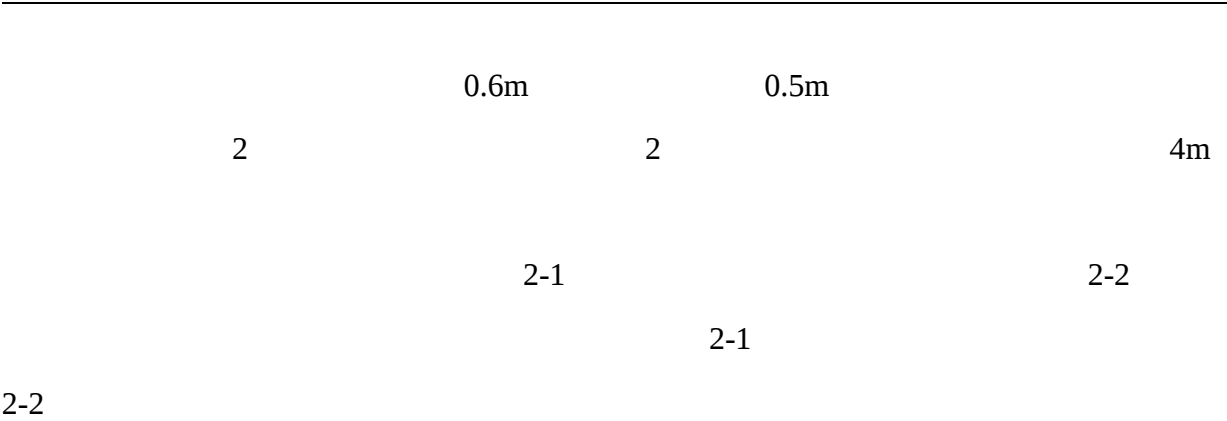
£ 2 b © , b „ b B a 1 8 5 E £

5

• , W 0

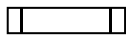
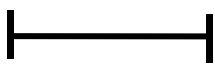
7

		70.5%
		82%
		54%
3		
		101.6Kpa
4		
		658mm
5		
		4.6m/s
		25.7m/s
6		
		23.4d
7		
		15.0cm
		1.17m
8		
		7
		0.10g
	2.3	
	14.5m	
		10.5m
	m	



2-1

2-2



		5.5	32
		11	63
1		8.5	40.6
		8.5	30
		10.5	49
2		8.5	23
		2	
		5	40
		11	71
1		8.5	32.6
		8.5	26.6
		10.5	53
2		8.5	25.6
		5	12.6
		11	42.1
1		8.5	50

	1			6	40.6
				6	23.3
				9	44
	2			6	29
				3	40
				6	71
	1			6	32.6
				6	26.6
				9	53
	2			6	25.6
				3	12.6
				6	35.6
	1			6	60.5
				6	17
				9	19
	2			6	37.6

0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-
0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	3	10.5
-	-	-	-	-	-	-	-	2	-	-	-	2	10.5
4	26.5	3	20.3	4	26	3.5	26	5	14.5	4	15.6	5	26
2	8	2	8										

2.4

2-3

1			75m ²				
2			250m ²				H=6m

2-4

III J

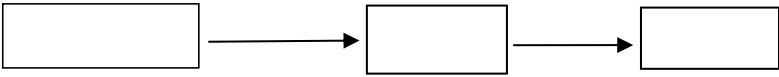
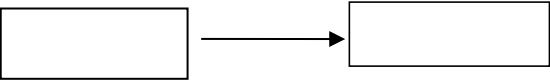
2.6

J

5

5

15



2.7

2.7.1

1

9121032275278950XX

2022 12 12

2

[2023]100063

2023 4 25

3

LNFYJC/B/TY2025003457

2026 4 5

4

2.7.2

1

2

l t m

l

C

7

4m 1

12

4

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

$Q_1 \quad Q_2 \dots Q_n$ ————— t
 3

3.1.3

$23 \leq 60$
3-1

3-1

1		200t
2		5000t

$45t$

$60m^3$

0.89

$53.4t$

$S=45/200+53.4/5000=0.23568<1$

,

3.2

3.2.1

2^*

$1B$

2

1

$-$

2

$-$

2

1630

Ê

17. 00 £

15. 10

10. 10

5. 10

0. 10

8. 10 P. 1b Ö



32.2

6			
7			

3.3.1

1

70m

6 46

2

1987 2 4

1986 5 2

3

3.3.3

3.3.4

3.3.5

3.3.6

3.3.7

2m

2m

3.3.8

1 m "

4.

4.1

8

1

2

3

4

5

6

7

8

4.2

5.

8

5-1

8
9
10
11

1

GB50156-2021
3.0.4

2

GB50156 3.0.9

GB50156-2021
3.0.9

"é
30m

	1.2m ³			
	100mm 1.2m			
	6	GB50156-2021 (5.0.7		
	7	GB50156-2021 5.0.8		
	8 300m ²	GB50156-2021 5.0.9		
	9 4.0.4 “ ” “ ”	GB50156-2021 5.0.10		
	10	GB50156-2021 5.0.11		
	11 2.2m 4.0.4 1.5 25m 4.0.4	GB50156-2021 5.0.12		

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

1

GB50156-2021
0:1:1
GB2020-5051

2

$$10^9 \Omega$$

SF

GB50156-2021

6.1.7

$$A=0.04V_t$$

6.

SF

11.2

GB50156-2021

6.1.8

SF

7

J/

GB506-2011

6.4

8 1

J

80mm

SF

4mm

GB50156-2021

6.1.10

 δ

	100mm	4mm	6.5.3		
		200mm			
		10mm 30mm			
	23		GB50156-2021 6.5.4		
	24	6.3			
	5mm		GB50156-2021 6.5.5		
		5%			
	25				
		3.5mm	GB50156-2021 6.5.6	3.5mm	

1
2
1 5kg
6L
1
2 2
35kg
15m
GB50156-2021
12.-2
2m³
5
2 2m³

8 E V e [

TS'-

AQ3010-2022

4.4

2

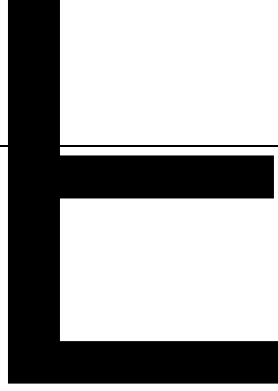
AQ3010-2022

10					
	5		GB50156-2021		
			13.2.12		
11					
			GB50156-2021		
			13.2.13		
12					
			GB50156-2021		
			13.2.14		
13					
100Ω			GB50156-2021		
			13.2.15		
14					
		1	GB50156-2021	1	
			13.2.16	"	0
1					
			5.0.1		

1

140kw

	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		



l m

!

t

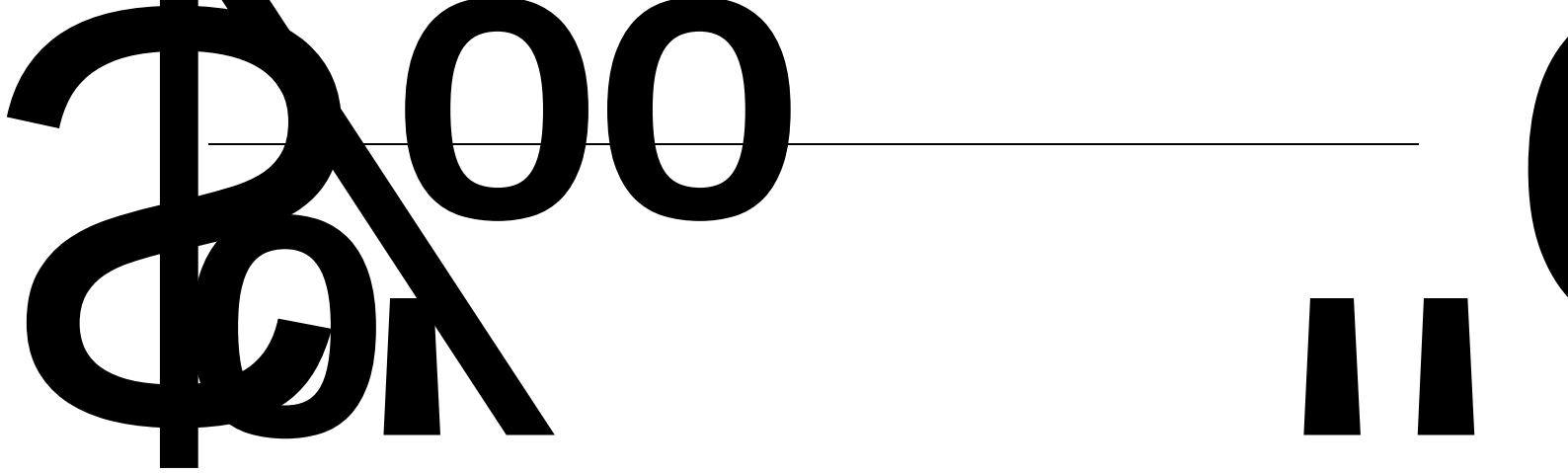
A

20

20

11

9



6

“

”

“

”

7

8

9

10

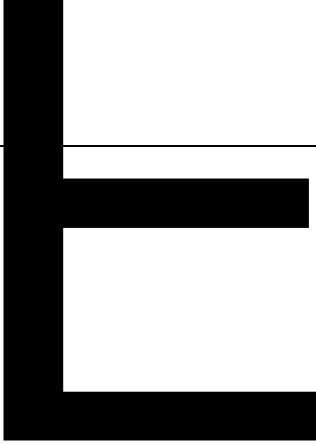
11

“

”

7.

GB50156-2021



GB50058-2014

1 0

2 Pts Ø V

3 2

#

L >|,'

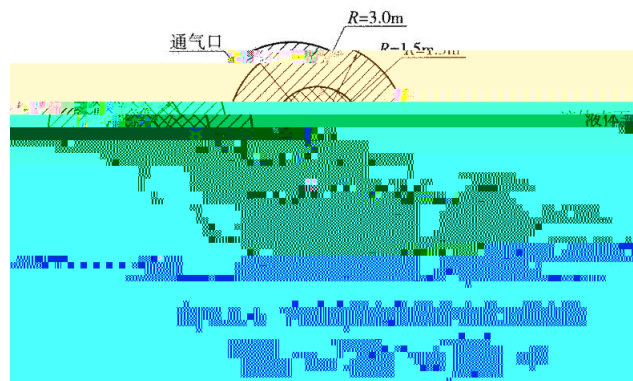
24

3

3.0m

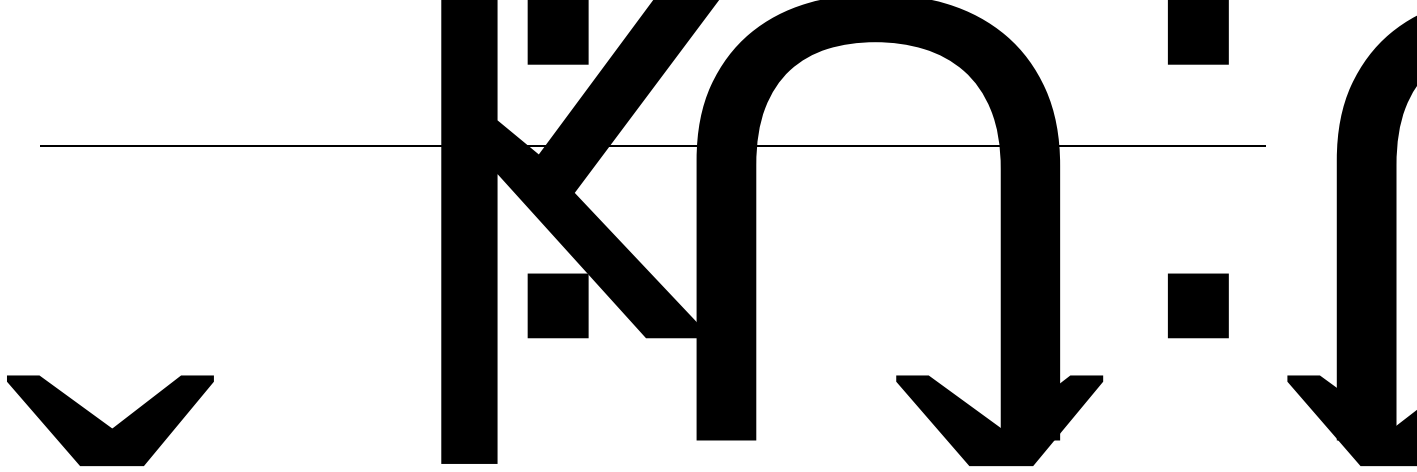
1.5m

2



2

5.



m n