
2015 1674 ≤ 60

2022 8 2023 1 1 1674

16	2008	2	1						
	9					2	2019	9	1
	10								
30	2015	5	29		80	2015	7	1	
	11						44		

BOVA

[2011]95 2011 7 1
[2011]80 2011 8 19
23 20 1 20 30
24

[2011]142 2011 7 1

[2016]8 2016 2 5

2019 107

2019 10 28

28 341 2021

5 18

29 OTT W

[U

5 45

BOVA

1.2.2.

1	GB50156-2021	
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/T 50610-2010	
17	GB20952-2020	
18	GB 50395-2007	
19	GB/T 29639-2020	
20	(GB/T12801-2008)	
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

3 2-2 5

1

040.1

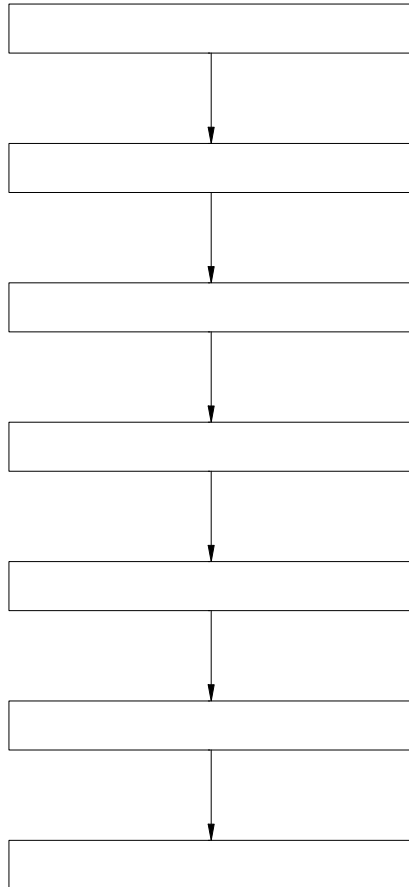
30

3 3

81

5

CX



1 1

2.

3 1 1440m²
SF 4 1 1 4 2
2

4 2 30m³ 2 30m³
GB50156-2021 3.0.9
90m³

2.1

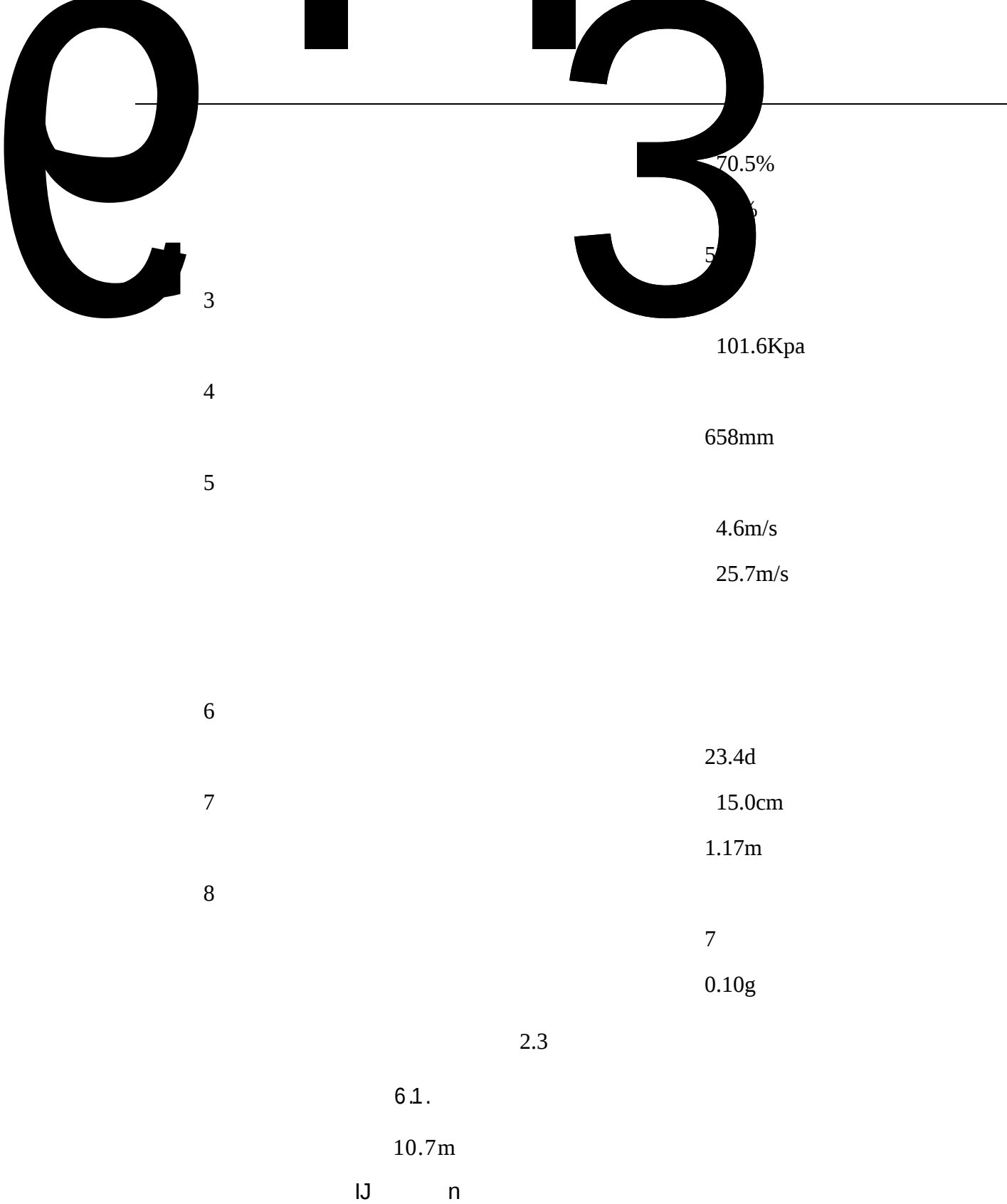
1 H=6m 20m 7m
2 H=6m 20m
35.4m 41.3m
22m

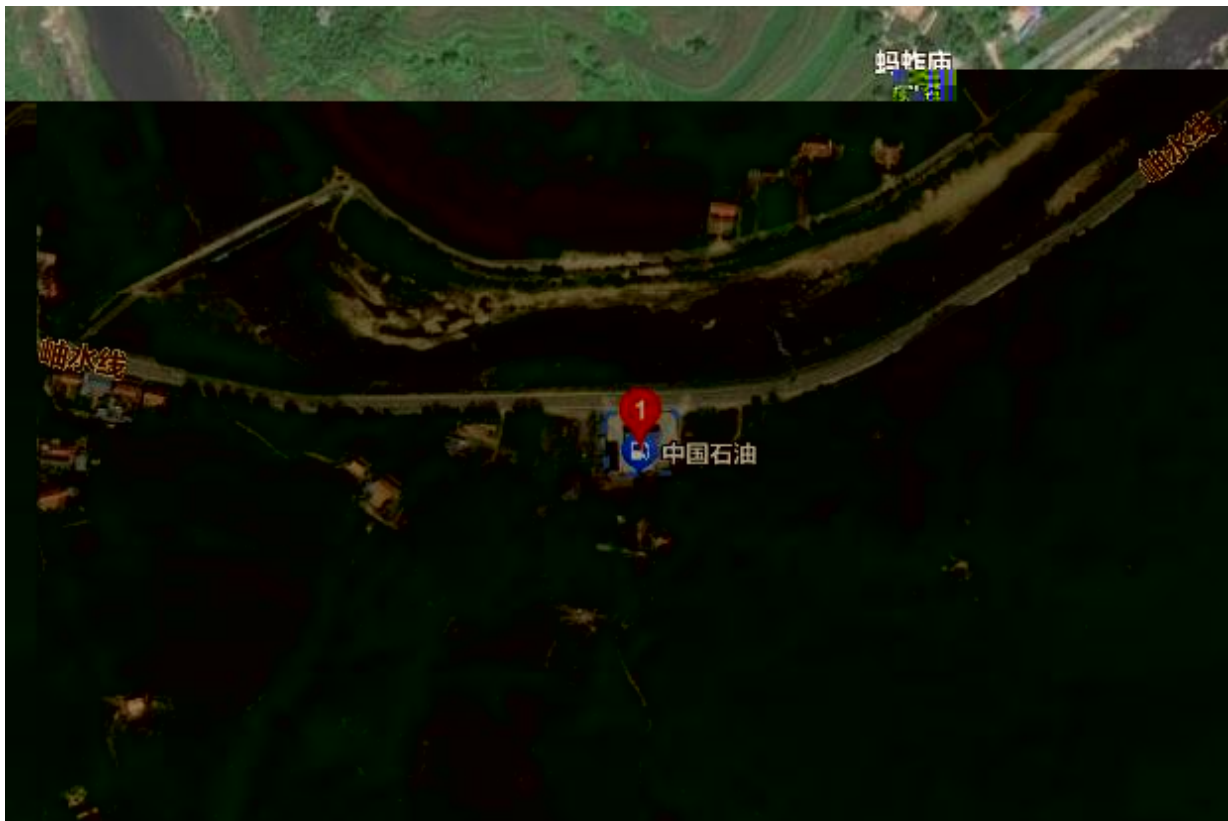
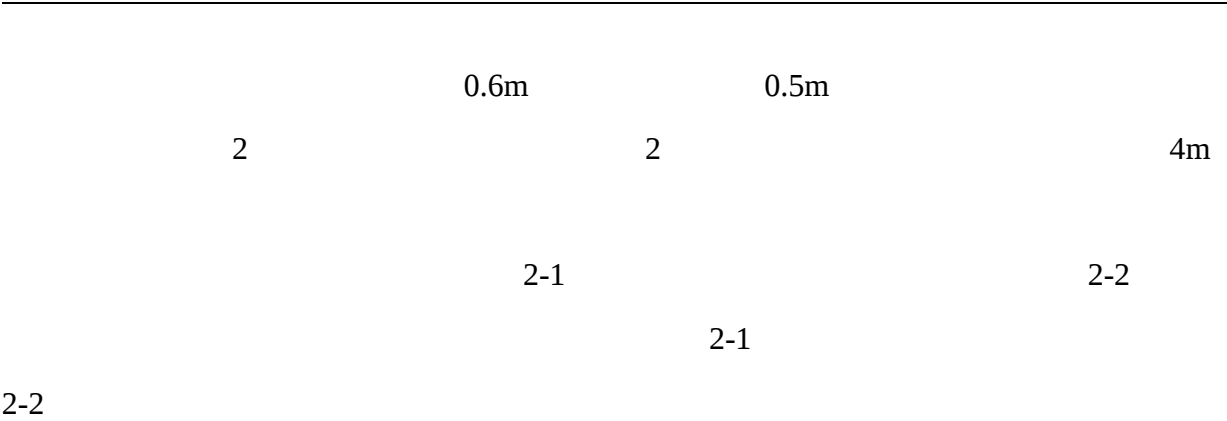
2.2 ∞

1

8.3
35.2
-28.2
28.2
-15.7

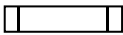
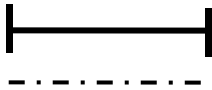
2





2-1

2-2



2-1

∞

m

				6	38
	2 H=6m		-	5	29.7
				6	41.3
				3	39
				6	29.1
	1 H=6m		-	5	13.2
				6	44
	2 H=6m		-	5	35.6
				6	40.8
				3	39.8
				6	23
	1 H=6m		-	5	22
				6	47.2
	2 H=6m		-	5	20
				6	60
				3	22
4.0.4	L			$\geq$ GB50156-2021	

2.4

2-3

2-3

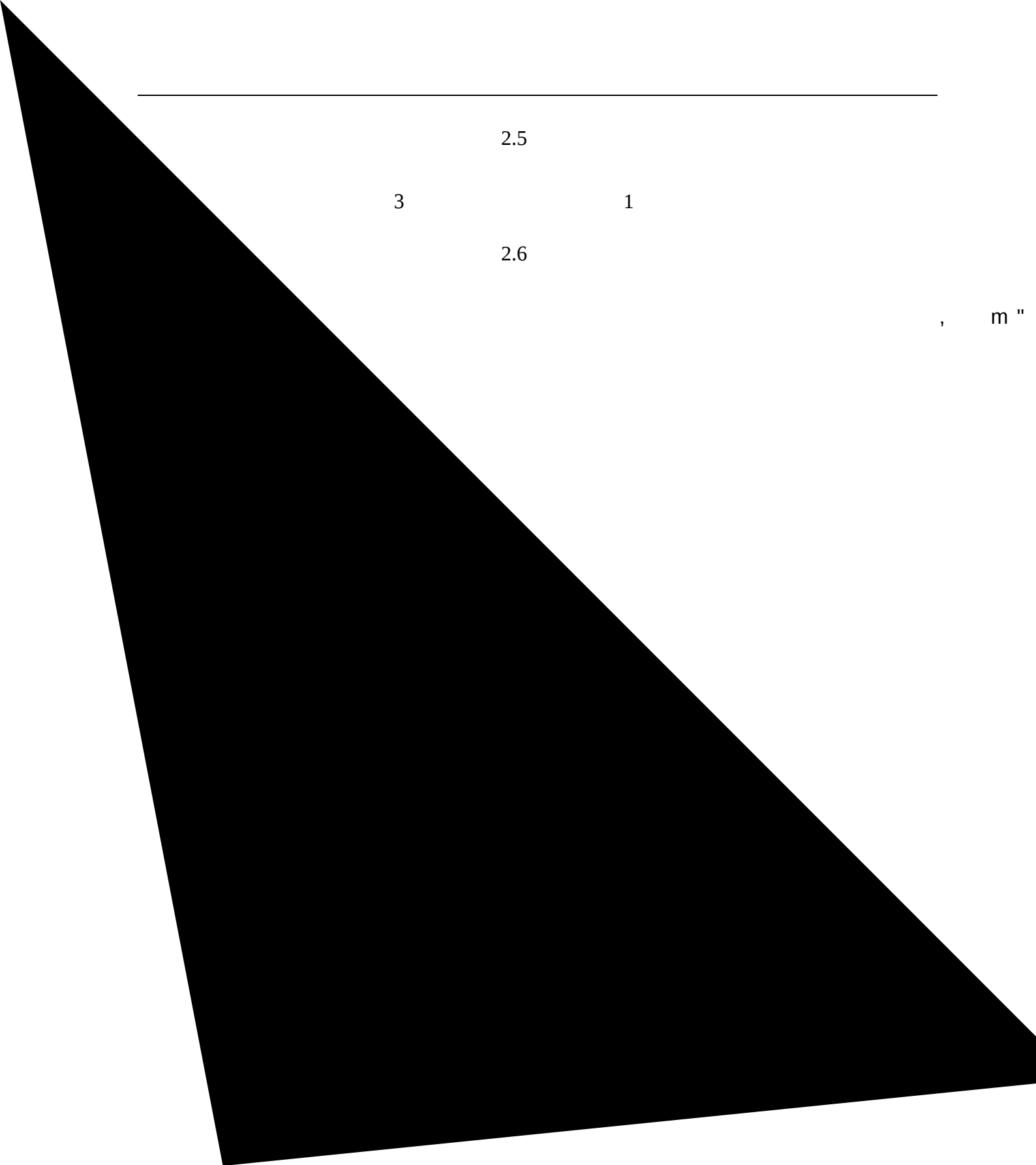
∞

1			160m ²				
2			204m ²				H=6m

2-4

2-4

1		2	30m ³	-		SF
2		2	30m ³	-		SF
3		2	SK52QF222K			
4		2	SK52QF222K			
5		4	TLS2			
6		1	UZK-SA-LD			1
						1
					4	
7		12		-	6	
						4m 2
						4m
8		1	-	-		
9		2	-	-		(©



2.5

3

1

2.6

, m "



2-3

2-4

2-5

2.7

2.7.1

1

4

2.7.2

1

2

a.

b.

c. 5

3

4

380/220V TN-S

UPS

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5

6

		4		8kg		2
8kg		4	5kg	CO ₂	4	35kg
	2	3m ³				
7						
					12	4
6			4m	2		4m

3
3

T

3.

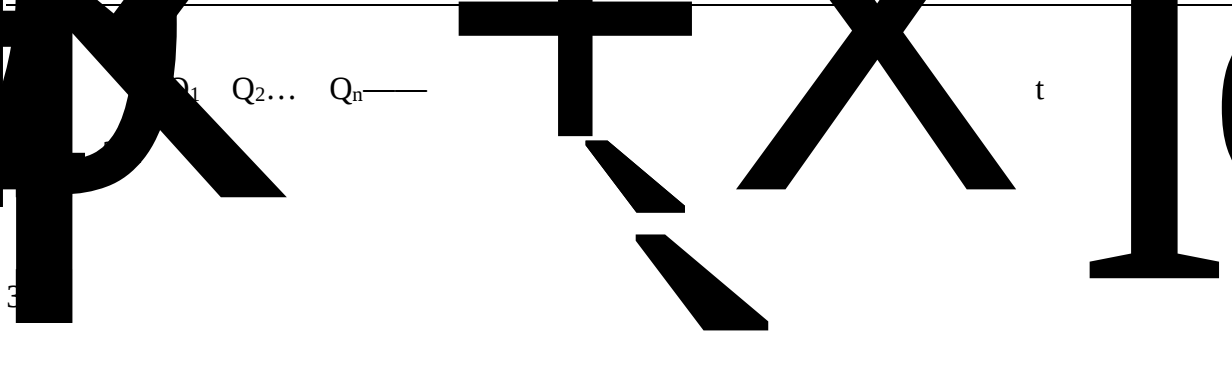
3.1

3.1.1

GB18218-2018

1

1



$$23\check{N} \leq 60 \quad 3-1$$

3-1		
1		200t
2		5000t

øEî.Á'RT...j3'5Ö P –

45t 60m³ 0.75
60m³ 0.8 m "

Ä

Ä

5

1

30

2

15min

50m

300m

1674

-18

=1

0.87

0.9

282-338

0.6%~7.2%



3.2.2 ∞

SCENT

3.3.1 ∞

1

70m

6

46

đ lJ

3.3.6

3.37

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2m

2m

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4.

4.1

8

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	10		
	11		
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	16		
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	1		
	1		
	2		
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	1		
	2		
	3		
	1		
	2		
	3		

∞

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

4.0.4

4.0.4

4

GB50156-2021

12

GB50156 5.0.13-1

GB50156-2021

5.0.13

5

$10^9\Omega$
 $10^9\Omega$

SF
GB50156-2021
6.1.7

$A=0.04V_t$

6.

11.2

SF
GB50156-2021
6.1.8

SF

7

GB50156-2021
6.1.9

8

80mm
4mm

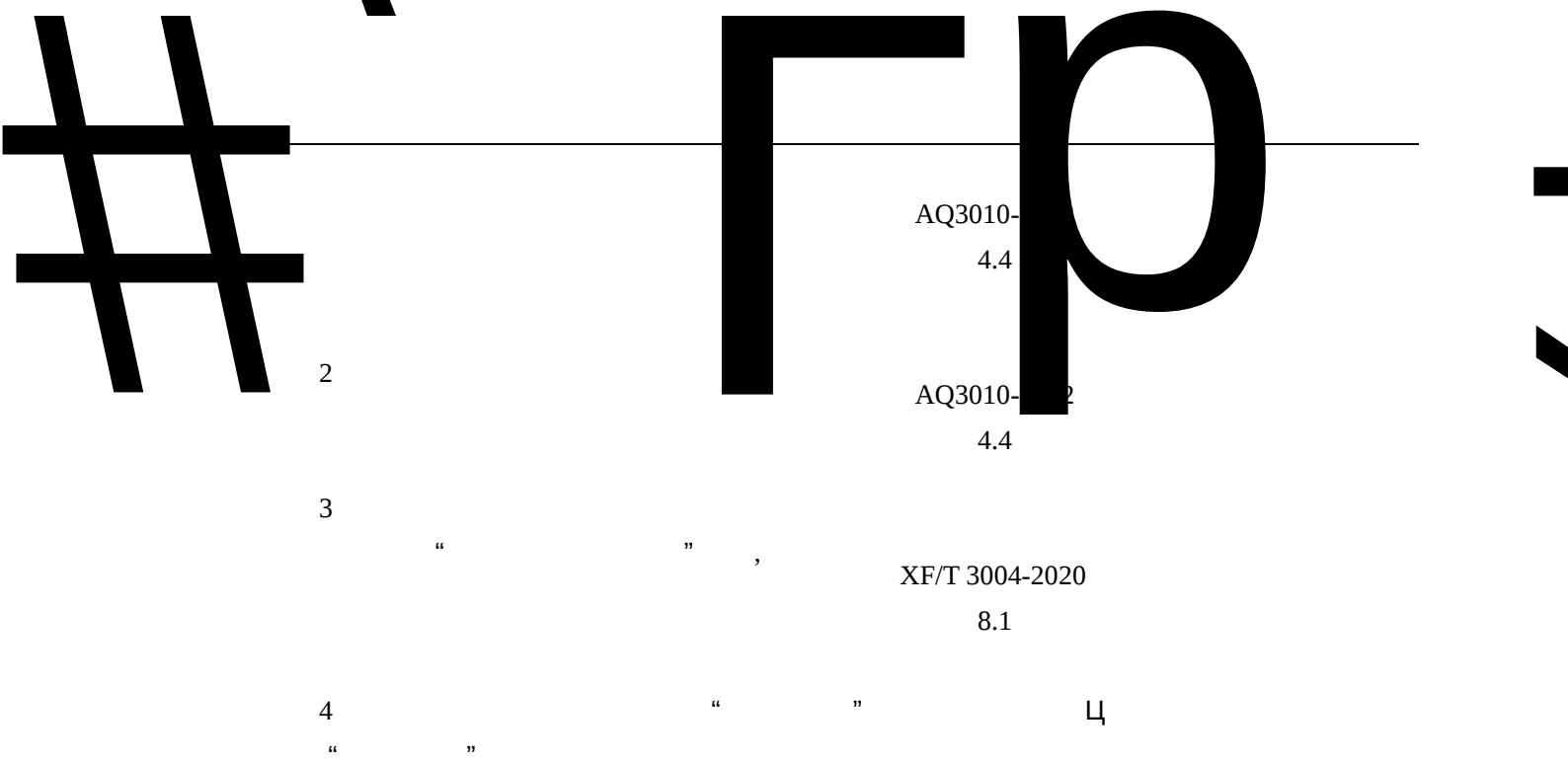
	8			
	100mm	50mm		
	T	45°	100mm	
	200mm	150mm	45°	
	200mm		150mm	
	9			
	4m	GB50156-2021		
	2m	6.3.9	4m	
	10	50mm		
		GB50156-2021	50mm	
		6.3.10		
	11			
	2KPa~3KPa 1.5KPa~2KPa	GB50156-2021 6.3.11		
	12			
	GB/T8163	GB50156-2021 6.3.12		

			0.5m	
	17	GB50156-2021 6.3.18		
	18 6.3.12 1 2 2.8m/s	GB50156-2021 6.3.19		
	19 GB/T21447	GB50156-2021 6.3.20		
	20	GB50156-2021 6.5.1	SF	
	21 GB50108 200mm 500mm	GB50156-2021 (6.5.2	SF	

	22	100mm 4mm 200mm 10mm 30mm	GB50156-2021 6.5.3	SF	
	23		GB50156-2021 6.5.4		
	24	5mm 6.3 5%	GB50156-2021 6.5.5		
	25	3.5mm	GB50156-2021 6.5.6	3.5mm	

5-5

1
2
1 5kg
6L 2 2
1 35kg
15m



4

4.5m

5m

GB50156-2021

13.1.4

4.5m

3m

BC

10

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
13.2.16

1



3

5.0.8

1

GB50156-2021

13.5.1

2.

1

2

5-7

∞

∞

1

140kw

E-101

2m

20

20

11

9

5-9

	5	5	0	0
	31	31	0	0
	22	17	0	5
	45	38	0	7

	8	8	0	0
	28	27	0	1
	16	9	0	7
	20	11	0	9
	175	146	0	29

5-9

175

29

146

1

1

8kg

5kg

4

8

2

6.

1

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1.

GB50058-2014

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2 1

3 2

2.

1

3.

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1

2

4.5m 3.0m τ

0.15m

