



2015

1674



60

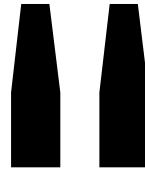
2022

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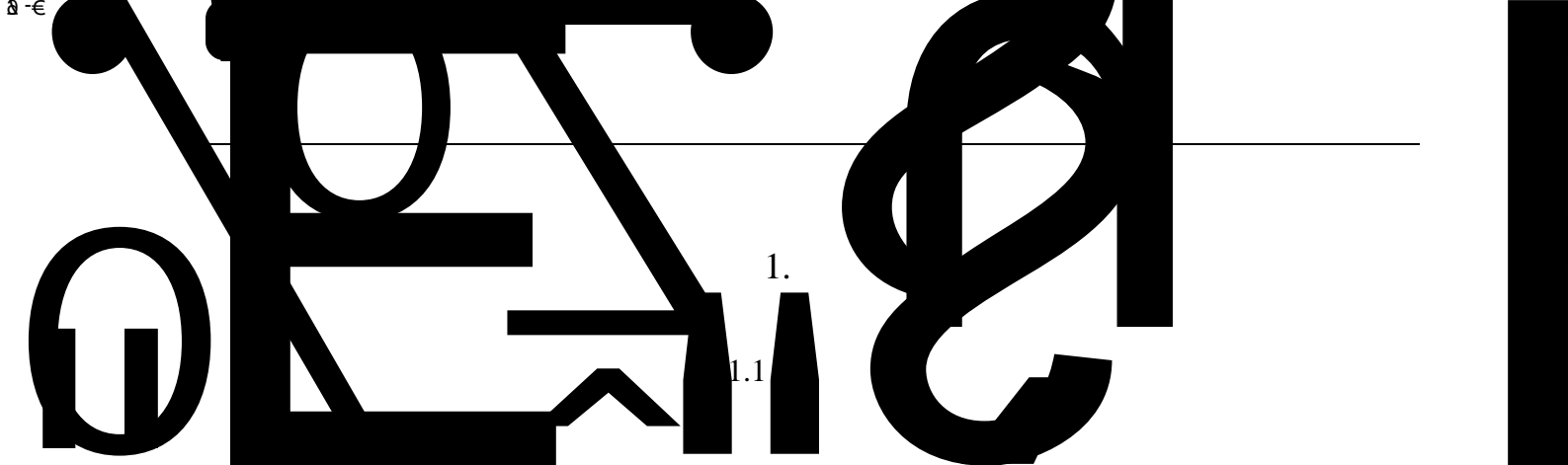
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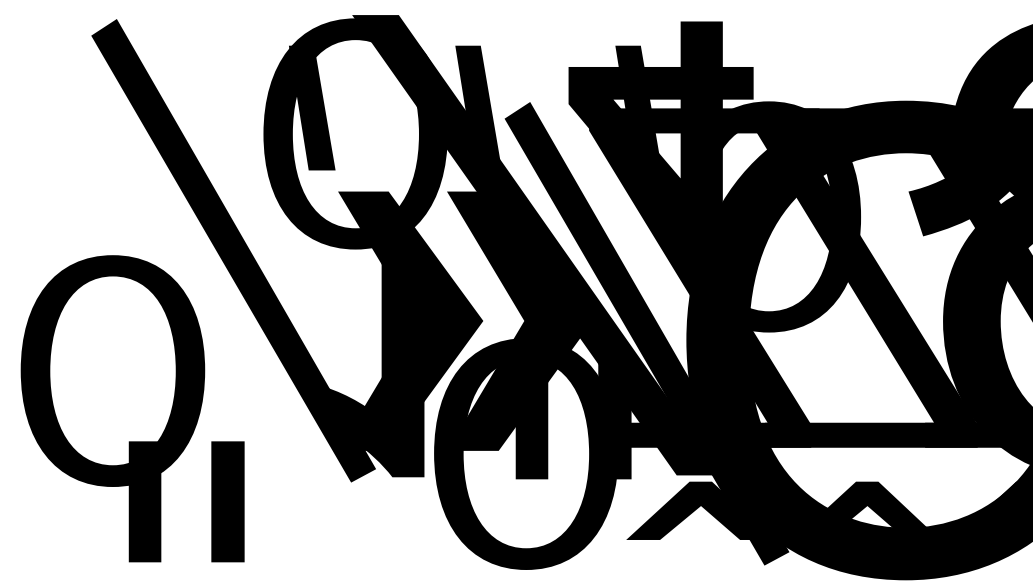
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8									3	2015
5	29				80		2015	7	1	
9										16
2008	2	1								
10									2	2019 9 1
11										
30	2015	5	29				80		2015	7 1
12									44	2015 5
29					80		2015	7	1	
13										55
2015	3	23				79		2015	7	1
14										
	[2016]8		2016	2	5					
15					2015					
2015	5	2015	5	1						
16									2015	
					[2015]80		2015	8	19	
17										
	[2011]95		2011	7	1					
18										
							[2011]142	2011	7	1
19										
	2016	3	2016	4	28					
20										
		2020	3	2020	4	1				
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22

2020 1 2020 5 30

23

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[2021]8

2021 5 16

24

[2016]11 2016 7 6

25

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2017 5 2017 9 13

26

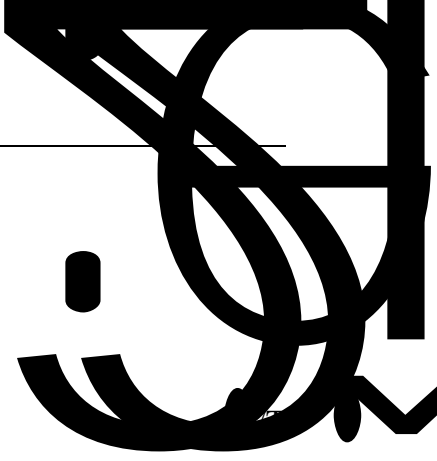
[2012]144 2012 8 30

27

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1.2.2.

- 1 GB50156-2021
- 2 GB6944-2012
- 3 GB 12268-2012
- 4 GB 18218-2018
- 5 GB 17914 2013
- 6 GB 15603-2022
- 7 GB 55036-2022)
- 8 GB 55037-2022)
- 9 GB 50058-2014
- 10 ;



(XF/T 3004 2020)

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GB/T 13 39 17

31

3178-2015

1.2.3.



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1.3

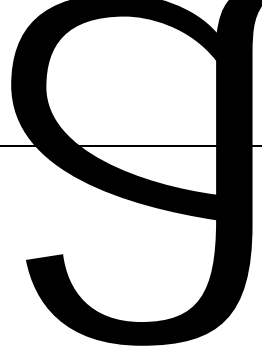
ž a "

1

2005 4

2002

2003 7



2.

2512m²

SF

5

1

1

1

6

1

1

1

2

25m³

2

25m³

1

20m³LNG

GB50156-2021

3.0.16

LNG

75m³

2023 1

2023

8

2023

1

1 25m³

2.1

114

1

²
P

H=6m

\$&

22.1m 40.7m 20mm 19.5m

49.2m

37.7

-37.7

28.7

-20.4

68%

87%

42%

102.22Kpa

790.9mm

2.6m/s

21.06m/s

26.9d

33.0cm

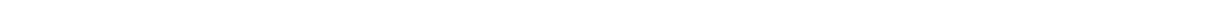
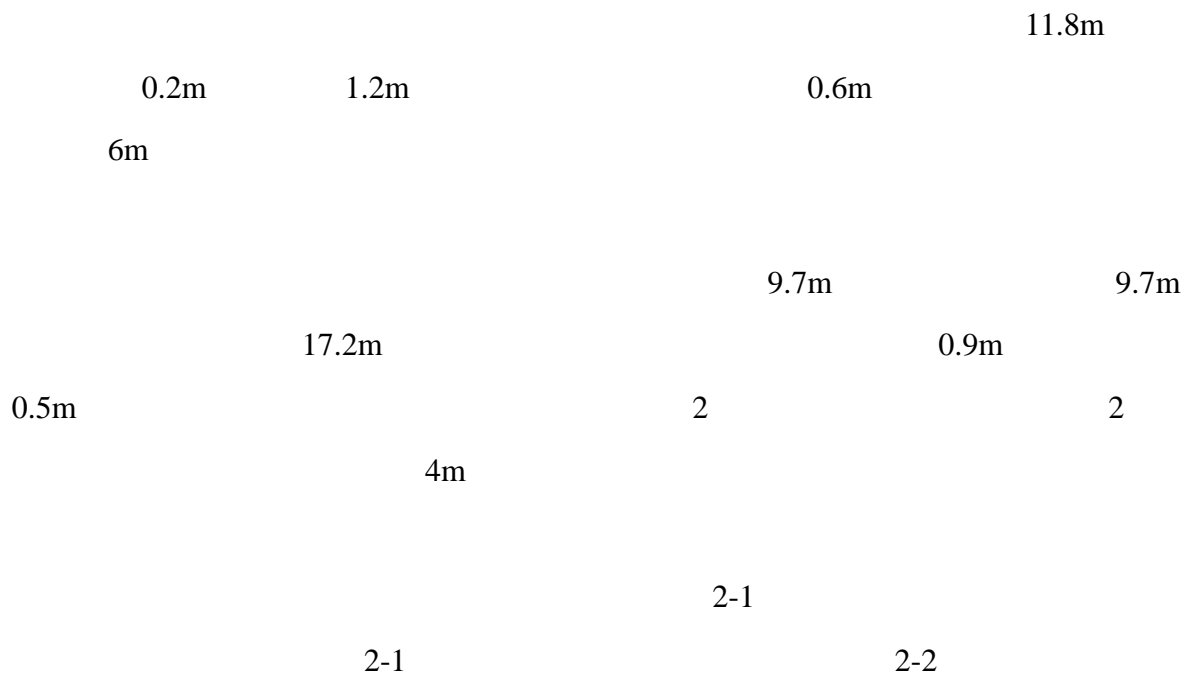
1.43m

7

0.10g

2.3

5.6m



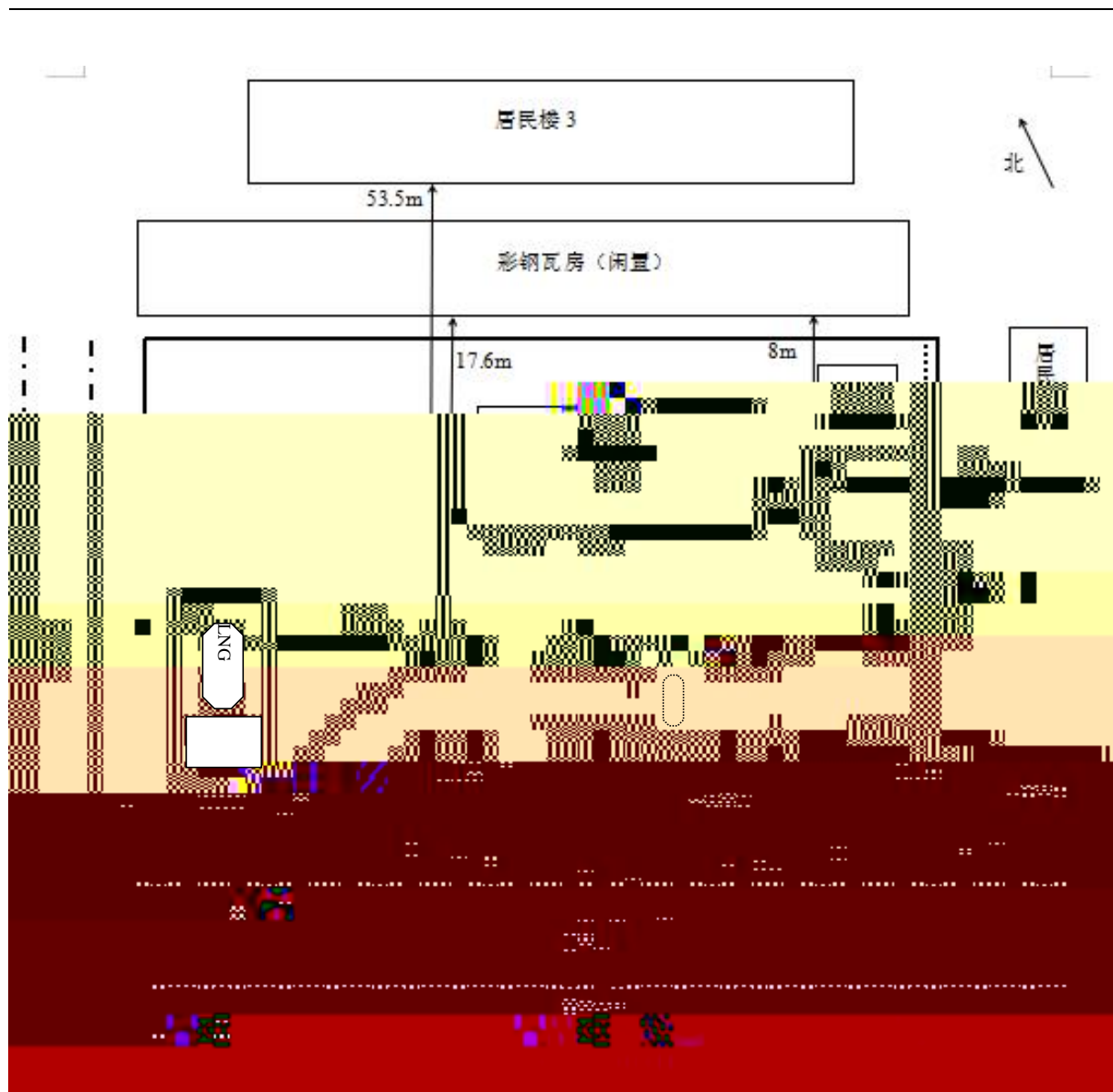
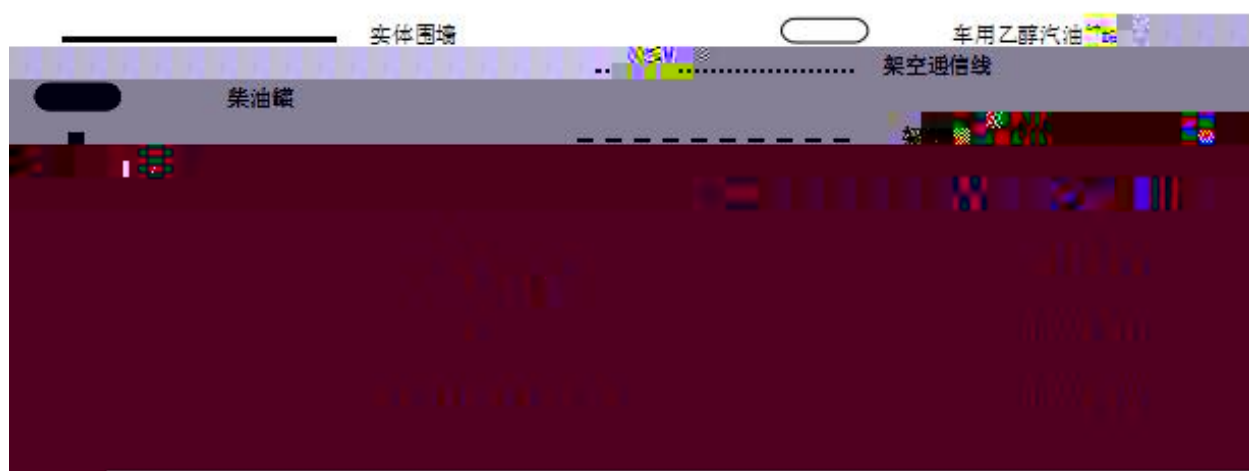


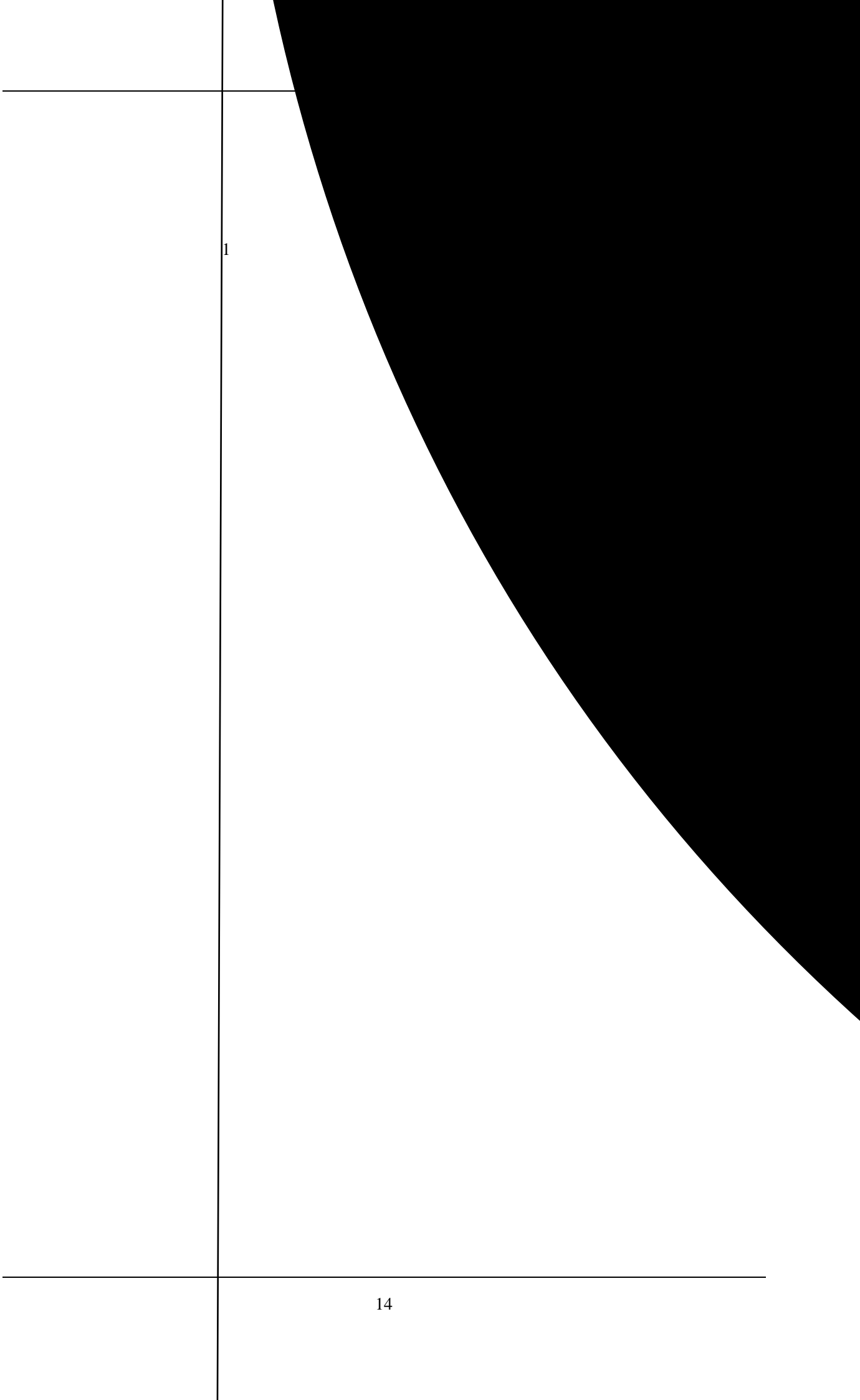
图.....例



1		8.5	35.8
2		8.5	69
		7	34
H=6m	-	5	33.5
		5	39



			3	84.2
H=10m			5	74.2
3			6	46.4
1			6	22.1
2			6	50
			6	20
H=6m	-		5	19.5
			3	49.2
			6	74.7
			3	66.7
H=10m				



2.4

2-3

1

219.95m²

2.5

10

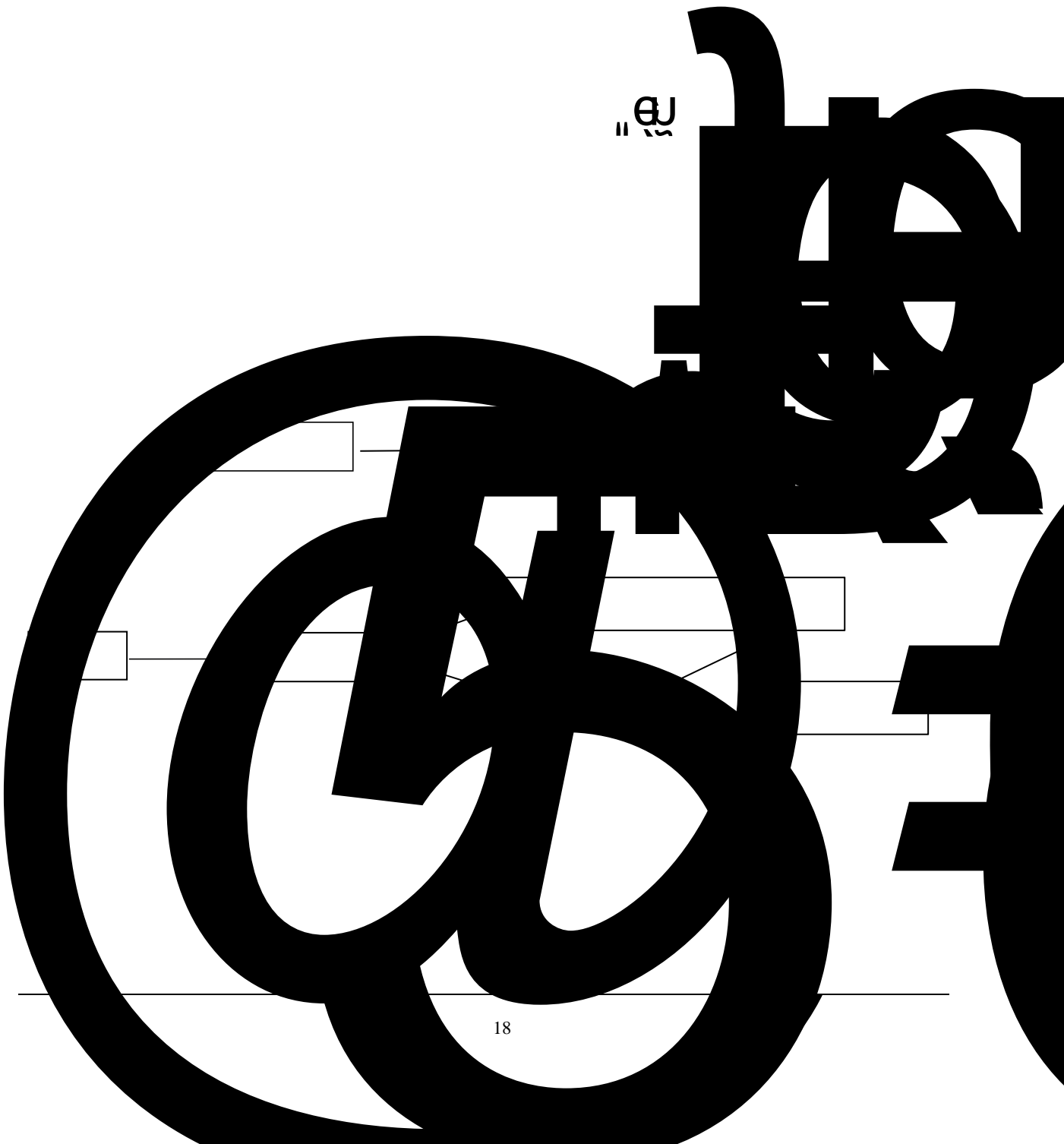
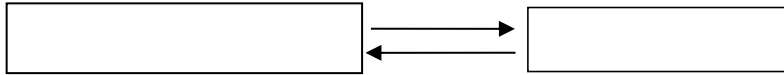
1

2.6

(+150Pa)

150Pa

2-2 2-3 2-4 2-5 2-6



2.7

2.7.1

1

91210104686642058Q

2023 7 18

2

2021 000681

2021 3 13

3

1082017001 2023 00400

2024 3 23

4

2.7.2

1

2

a.

5

b.

c.

3

4

3.

3.1

3.1.1

GB18218-2018

1

2

3.1.2

1

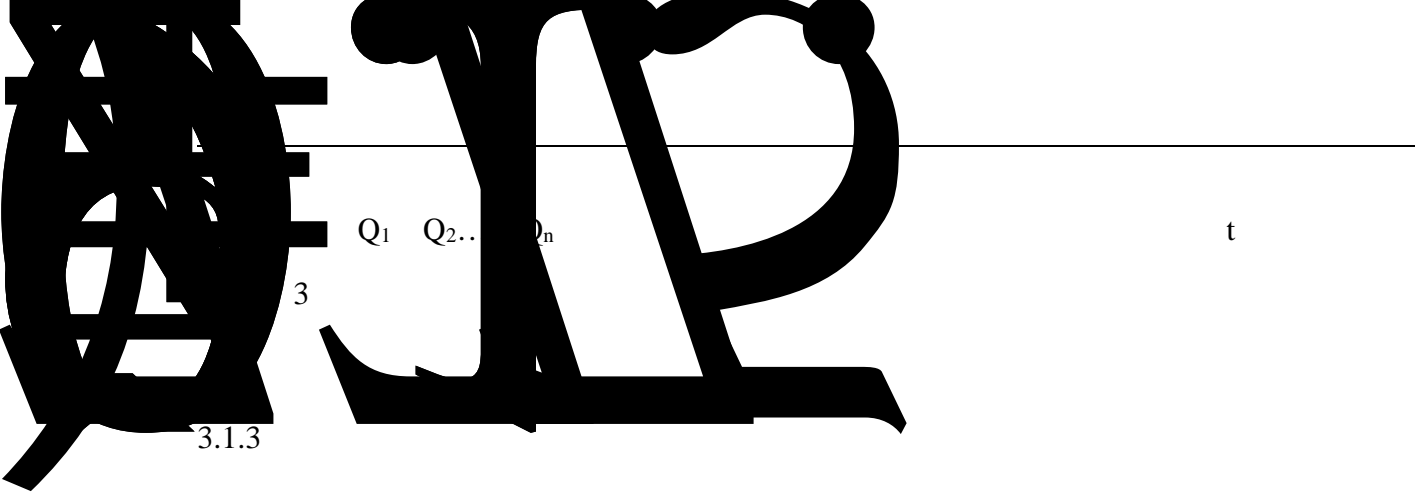
2

$$S=q_1/Q_1+q_2/Q_2+\dots+q_n/Q_n \quad 1$$

S

q₁ q₂... q_n

t



3.1.3

23 60 3-1

3-1

1		200t
2		5000t

50m³

0.75

37.5t

50m³

0.89

44.5t

$$S = 37.5/200 + 44.5/5000 = 0.1964 < 1$$

ž

3.2

3.2.1

1 2* 1B 2
 - - - 2
 1630



E10

4 -46

1.4 7.6%

415 530

0.813MPa

,

,

:

PC-TWA()(mg/m³) 300

:

:

1

2

3

4

15min

Wieder

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

15min

10

3.2.2

1

2

3

2			
3			
4			
5			
6			

3.3.1

1

70m

6 46

"

3

4

3

3.3.3

3.3.4

B

3.3.5

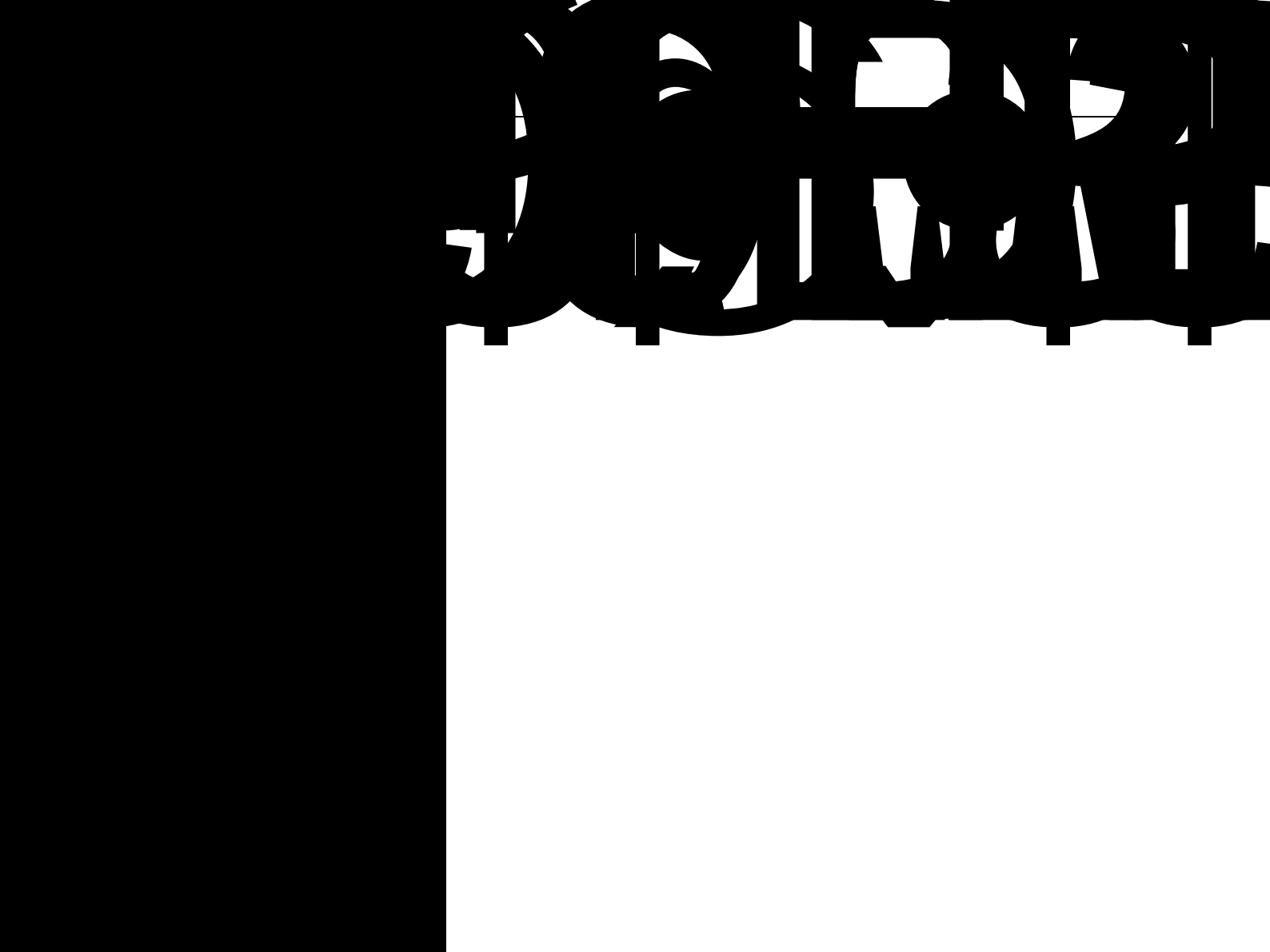
3.3.6

5.

7

5-1

	1		
	2		
	3		
	4		
	5 (



2

GB/T29639-2020

3

\$

		4.0.4		
			4.0.4	
	4	GB50156-2021 4.0.12		
	5	GB50156-2021 4.0.13		
	1	GB50156-2021 5.0.1		
	2	6m 4m 8%	11.8m 8%	
	3	GB50156-2021 5.0.3		
	4	GB50156-2021 5.0.5		
	5	3m GB50156-2021 5.0.6		

	4.0.4					
12	GB50156	5.0.13-1	5.0.13-2	GB50156-2021 5.0.13	2-1	2-2
13		C		GB50156-2021 5.0.16		

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

			SH/T3178	
5	10^9 10^9 $A=0.04Vt$	GB50156-2021 6.1.7	SF	
6.	11.2	GB50156-2021 6.1.8	SF	
7		GB50156-2021 6.1.9	SF	
8	4mm 80mm	GB50156-2021 6.1.10	SF	
9		GB50156-2021 6.1.11		
10	0.5m 0.9m	GB50156-2021		

6.1.12

0.3m

11

GB50156-2021

6.1.13

4

GB50156-2021

6.2.4

5

GB50156-2021

6.2.5

1

GB50156-2021

6.3.1

2

GB50156-2021

6.3.2

3

GB50156-2021

6.3.3

4

100mm

GB50156-2021

6.3.4

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

		4mm		
	10^{10}	$10^8 \cdot m$		$10^8 \cdot m$
		100kV		10^{10}
13			GB50156-2021 6.3.13	
14			GB50156-2021 6.3.14	
15				
	2‰		GB50156-2021 6.3.15	2‰
	1%			1%
				0.
16	0.4m			
	0.2m	100mm	GB50156-2021 6.3.17	

GB50156-2021

6.3.18

	100mm 4mm 200mm 10mm 30mm	6.5.3		
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	

1
2
1 5kg
6L
1
15m
2m³

2 5kg
2 2
35kg
5
2 2m³

1
1
1

GB50156-2021
12.

		AQ3010-2022 4.4		
	2	AQ3010-2022 4.4		
	3	XF/T 3004-2020 8.1		
	4	XF/T 3004-2020 8.4		

	1	GB50156-2021 13.1.1		
	2	380/220V GB50156-2021 13.1.2	380/220V	
	3	90min GB50156-2021 13.1.3	90min	

4

4.5m
4.5m

5m

GB50156-2021
13.1.4

3m

5

GB50156-2021
13.1.5

6

LPG LNG CNG



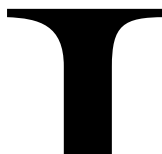
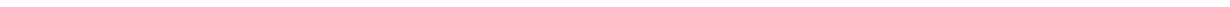
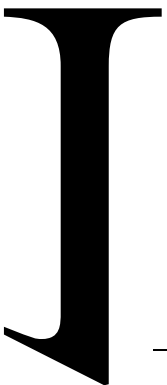
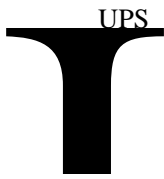




1

6.1.1.1

2



1

140kw

GB50156- =

2m

	<p>2</p> <p>4.5m</p> <p>2m</p> <p>GB50068</p> <p>GB50009</p> <p>GB50011</p>	<p>GB50156-2021 14.2.2</p>	<p>6m</p> <p>GB50009</p> <p>GB50011</p>	
	<p>3</p> <p>0.15 0.2m 1.2m</p> <p>0.6m</p> <p>100mm</p> <p>0.5m</p>	<p>GB50156-2021 14.2.3</p>	<p>1.2m 0.2m 0.6m</p>	
	<p>4</p>	<p>GB50156-2021 14.2.7</p>		
	<p>5</p>	<p>GB50156-2021 14.2.9</p>		
	<p>6</p> <p>300m²</p>	<p>GB50156-2021 14.2.10</p>		

	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		

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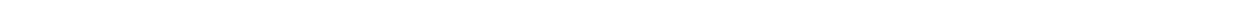
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6

e



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

4. 2

1 0

2 1.5m 0.5, m\$
