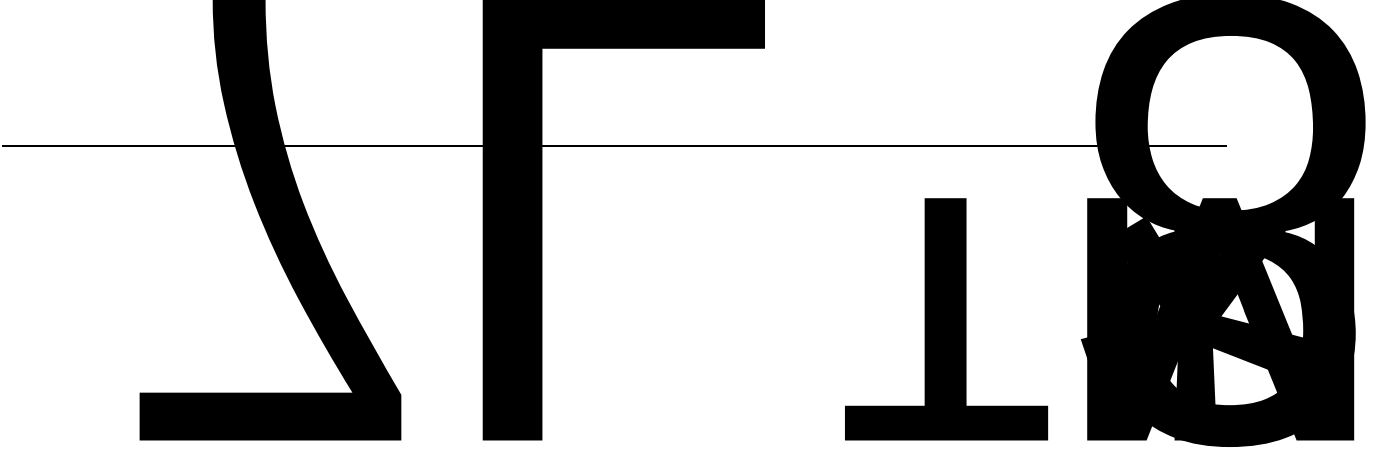




2015

1674

≤60

-

2022

8

2023

1

1

1674

m "

m

o

m

1.	.....	1
1.1	.....	1
1.2	.....	1
1.3	.....	5
1.4	.....	5
2.	.....	7
2.1	.....	7
2.2	.....	7
2.3	.....	7
2.4	.....	13
2.5	.....	14
2.6	.....	14
2.7	.....	15
3.	.....	1..1
	.....	1..2
	 f	19
	 f	24
4.	.....	30
	4.1.....	30
	4.2.....	30
5.	.....	31
6.	.....	58
7.	 $\tilde{O}$	60
	.....	61
	.....	63

16 2008 2 1

9 2 2019 9 1

10

30 2015 5 29 80 2015 7 1

11	44	2015	5
----	----	------	---

29 80 2015 7 1

12 55

2015 3 23 79 2015 7 1

13 44 2025 6 1

14

2025 6 2025 05 07

15 <

> 2021 12 2021 12 31

16

2016 3 2016 4 28

17 2015

2015 5 2015 5 1

18 < 2015 > “ 1674 [≤ 60] ”

“ 1674 ”

2022

8 2023 1 1

19 2015

[2015]80 2015 8 19

20

2020 1 2020 5 30

21

[2011]95	2011	7	1
----------	------	---	---

				[2011]142	2011	7	1		
23									
	[2016]8	2016	2	5					
24									
								2019	107
2019	10	28							
	25							341	2021
5	18								
26									
2017	45	2017	12	23					
27					<				
		>			2017	47	2017	12	28
28									
		[2012]144	2012	8	30				
29		<							>
					[2017]22	2017	11	28	
30						<			
	>				2017	5	2017	9	13
31									
				[2016]11	2016	7	6		
32									
								2018	21
2018	8	31							
33									
								2017	
121	2017	11	13						
34				2005	3	3			180
	2005	4	1	2018	11	26			324

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
----	---	------

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

ě ñ

1.4-1

2.

		SF	4	1	1
4	2	2			
		4	2	30m ³	2 30m ³
				GB50156-2021	3.0.9
				90m ³	

2.1

	7m	15m			H=7m
		29m	26.5m		
13.5m				27m	25m
		2.3-1			

2.2

1

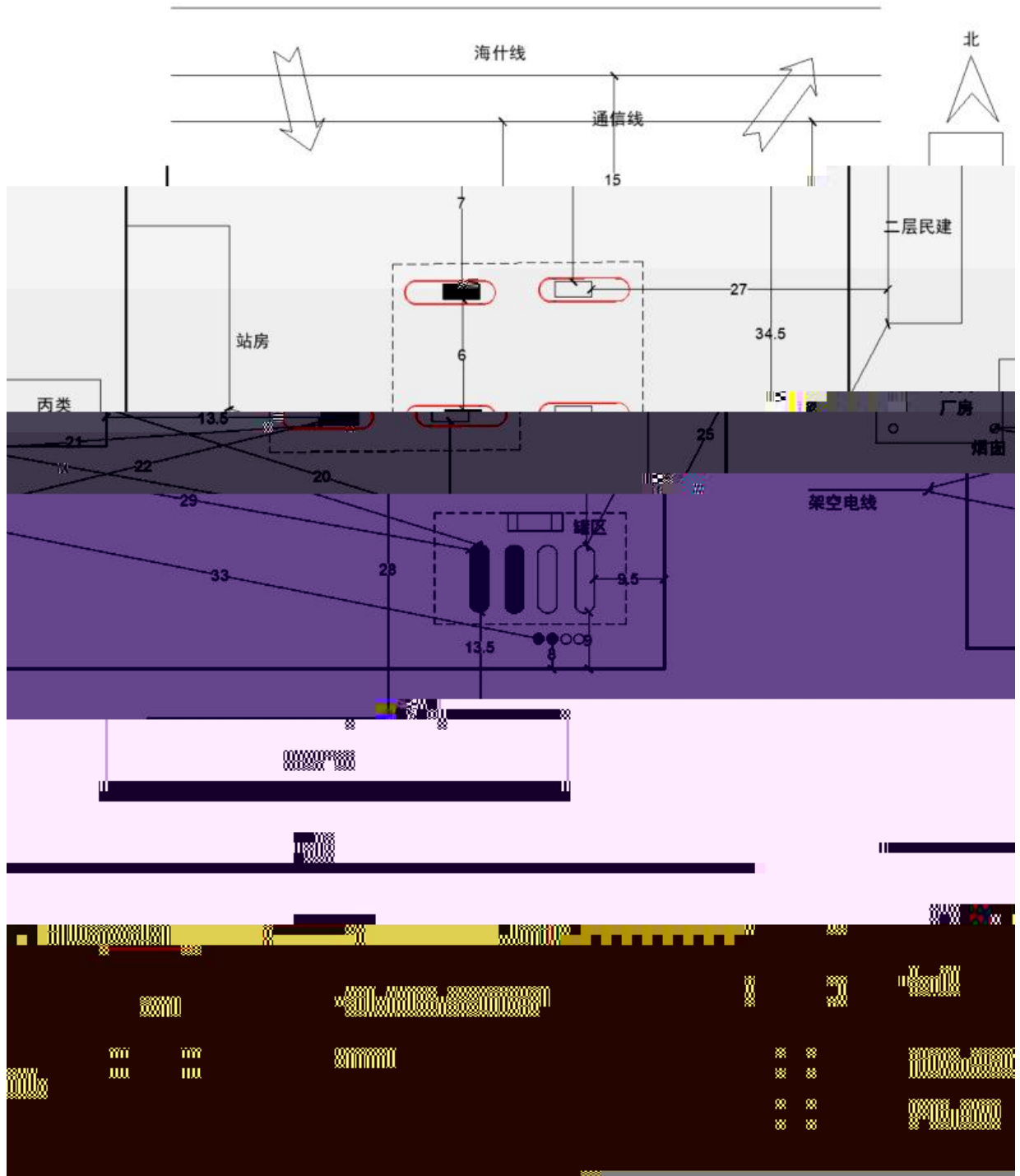
8.3
35.2
-28.2
28.2
-15.7

2			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			8
			0.20g
		2.3	
		2000m ²	
		4	:
0.2m	1.2m	0.6m	0.5m ;
	6m		
	0.5m	0.4m	
	;		50mm
	4m		

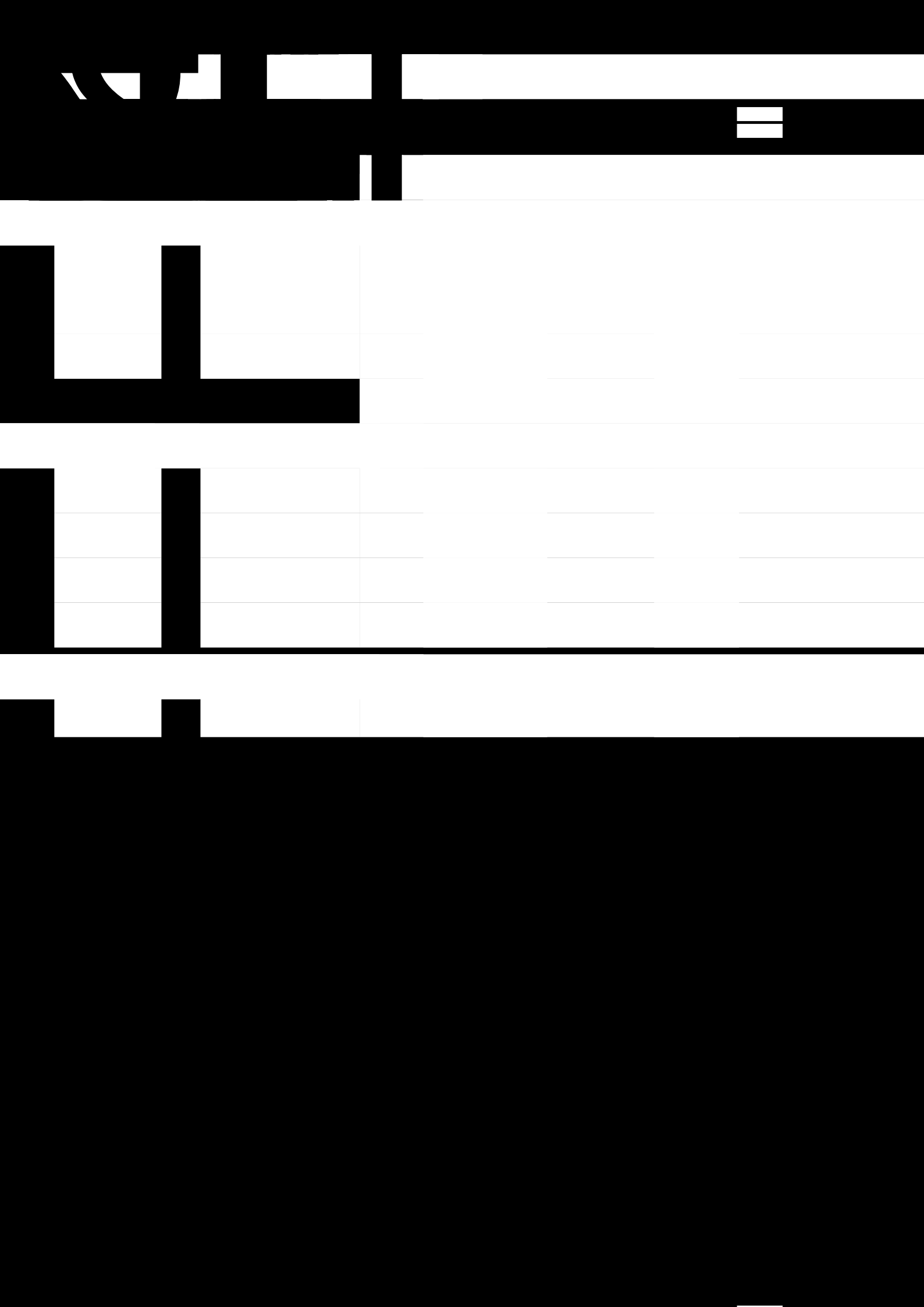
2.3-1

2.3-1

2.3-2



2.3-1



2.3-2															m	
0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-	2	9	
0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-	2	9	
-	-	-	-	-	-	-	-	-	-	-	-	3	8	2	8	
-	-	-	-	-	-	-	-	-	-	-	-	2	8	2	8	
4	20	3	24	4	28	3.5	28.5	5	13.5	4	20.5	5	22.5	-		

2.4

2.4-1

2.4-1

1				90m ²		-
2				80m ²		H=6m

2.4-2

2.4-2

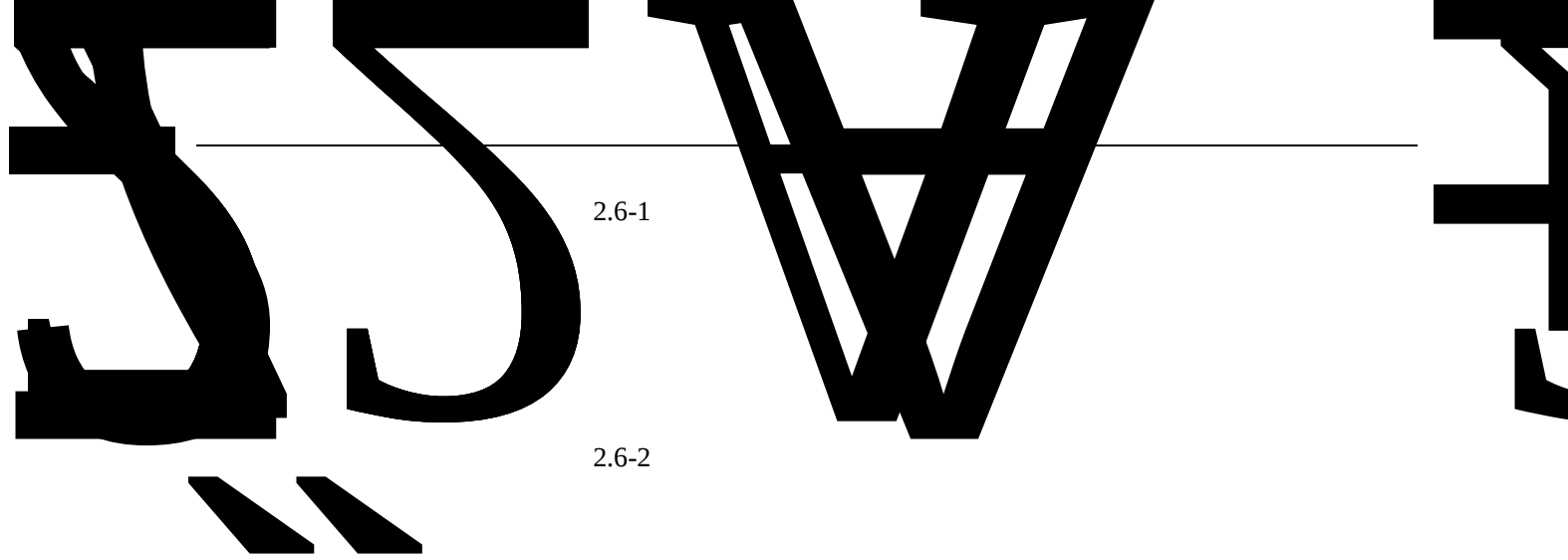
1		2	30m ³	-	SF
2		2	30m ³	-	SF
3		2	HSC1818A Q=5 50L/min		
4		2	HSC1818A Q=5 50L/min		
5		1	UZK-SA-LD		
6		1	VEEDER-ROOT		
7		11		-	-
8		1	-		-

2.5

3

1

2.6



2.6-1

2.6-2

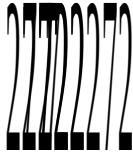
2.6-3

2.6-4

2.7

2.7.1

1



2025 10 16 2026 4 15

4

	210504197812211350			2024 10 11 2027 10 10
	210381199107174823			2023 7 24 2026 7 23

2.7.2

1

2

1 5

2

3

3

4

380/220V

TN-S

UPS

2h

5

5

6

4 2 2 2m³

5kg 3 5kg 5 5kg 4

35kg 2 5kg 2

7

11

5 4m 4 2

3m

90%

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

Q₁ Q₂...

3.1.3

+ 23 ≤ 60

3.1-1G P\$ #P'("E'''

3.1-1

1		200t
2		5000t

60m³

0.775

46.5t

60m³

0.85

51t

$$S=46.5/200+51/5000=0.2325+0.0102=0.2427<1$$

3.2

3.2.1

2*

1B

2

-46

1.4 7.6%

415~530

0.813MPa

,

,

1.5

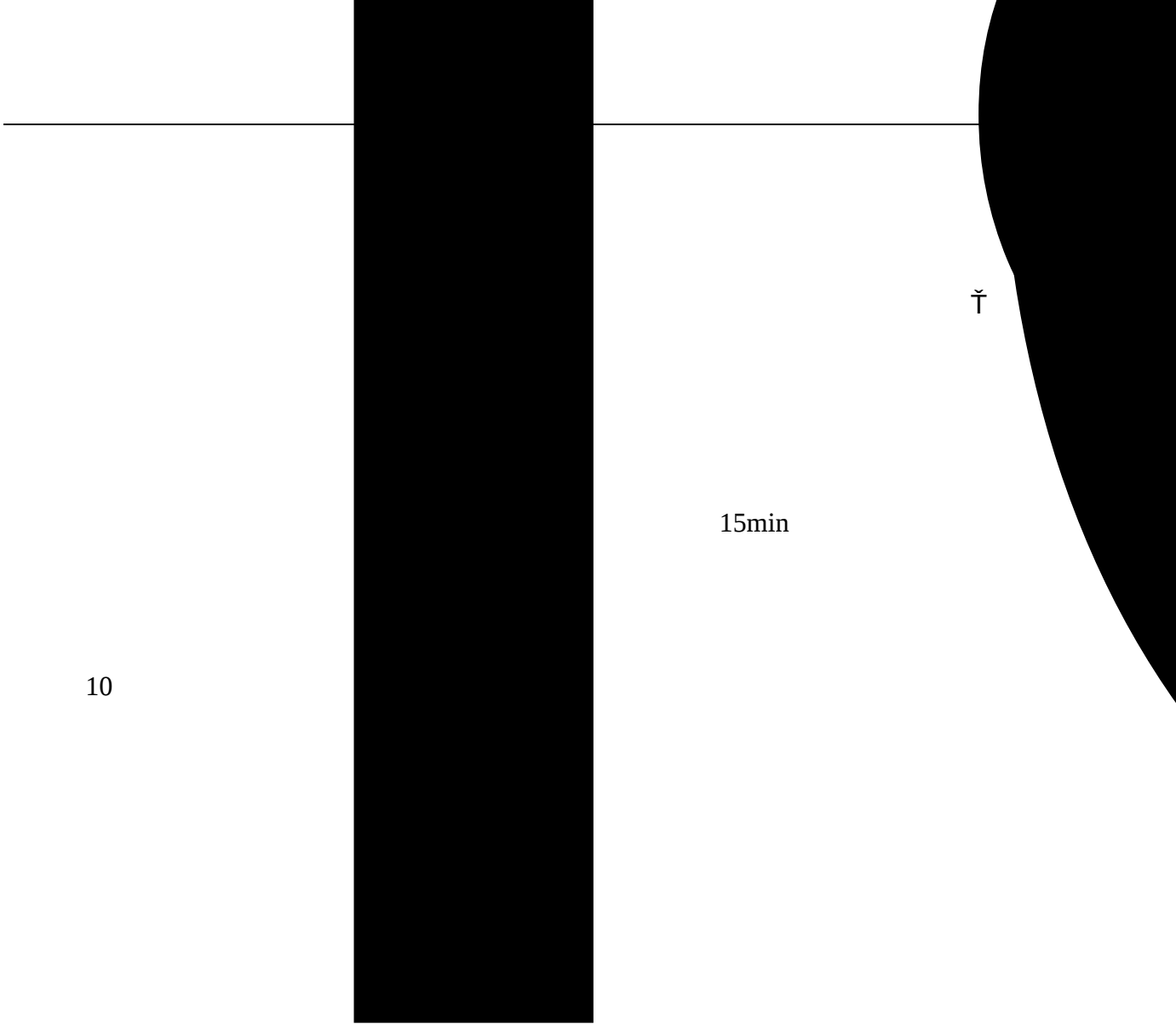
5

1 30

2

-18 =1 0.79~0.85
282-338
0.6%~7.2%

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



3.2.2

T

3.3

3.3-1

3.3-1

1			
2			
3			
4			
5			
6			
7			
8			

3.3.1

1

70m

6

46

3

3.3.3

3.3.4

3.3.5

3.3.6

4.

4.1

8

1

2

3

4

5

6

7

8 20

4.2

5.

8

5-1

5-1

	1		
	2		
	3		
	4		
	5		
	6		

5-2

	1		
	2		
	3		
	1		
	2		
	3		
	4		
	5		
	6		
	7		

8
9
10
11

12
13
14

5-3

1

GB50156-2021

3.0.4

2

GB50156 3.0.9

GB50156-2021

30m³

3.0.9

3

4

GB50156-2021

4.0.12

5

		5.0.13	2.3-2	
13	5.0.13-1			
	5.0.11	GB50156-2021		
	A	5.0.15		
14		GB50156-2021		
	C	5.0.16		

2320

3

5-4

1		GB 50156-2021		
		6.1.1		
2		GB 50156-2021		
		6.1.2		
3		GB 50156-2021	SF	
		6.1.3		
4				
	1		SF	
	AQ3020	GB 50156-2021		
		6.1.4		
	6.1.4			

0.08MPa					
5	-				
					SF
				GB 50156-2021	
				6.1.5	
SH/T3178					
6					
					SF
		GB/T 51344		GB 50156-2021	
				6.1.6	
7					
		$10^9\Omega$			
		$10^9\Omega$			
					SF
				GB 50156-2021	
				6.1.7	
		6.1.7			
A=0.04V _t		6.1.7			
A——					
		m ²			
V _t ——		m ³			
8					
				GB	
				50156-2021	
				6.1.8	
	11.2				11.2
9					SF
				GB 50156-2021	
				6.1.9	
10					
					SF
				GB 50156-2021	
				6.1.10	IJ

5

9

GB 50156-2021

6.6.5

10

1

2

3

4

5

"é é
"é)
田来来来

	9	4m 2m	GB 50156-2021 6.3.9	4m
	10 50mm		GB 50156-2021 6.3.10	50mm
	11	2KPa~3KPa 1.5KPa~2KPa	GB 50156-2021 6.3.11	
	12	GB/T8163 4mm 4mm $10^8\Omega\cdot m$ $10^{10}\Omega$	GB 50156-2021 6.3.12	GB/T8163 4mm

13

$10^8\Omega\cdot\text{m}$
 $10^{10}\Omega$

GB 50156-2021
6.3.13

14

GB 50156-2021
6.3.14

15

5-5

1

2

2 5kg

4

1 5kg

2

2

1 6L

 $2m^3$

2 2

5kg

1

35kg

GB50156-2021

4

35kg

12.1.1

2

15m

5kg

2

5

 $2m^3$

2

 $2m^3$

2

GB5014 5

	1	GB/T2893.5 GB2894 GB13495.1 GB15630	AQ3010-2022 4.4		
	2		AQ3010-2022 4.5		
	3	GB/T50493 “ ” ,	XF/T 3004-2020 8.1		
	4	“ ” “ ” “ ” ”	XF/T 3004-2020 8.2	“ ” “ ” ” “ ”	

8

7

1

5-6

	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	GB50156-2021 13.1.4		

	4.5m 5m 4.5m 3m			
	5	GB50156-2021 13.1.5		
	6 LNG CNG LPG	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 4Ω	GB50156-2021 13.2.2		
	3 LPG	GB50156-2021 13.2.4		
	4	GB50156-2021 13.2.6		

0.5mm
0.65mm
0.7mm

5

GB50156-2021
13.2.7

6

GB50156-2021
13.2.8

2.

1

GB50156-2021

2

13.5.2

3.

GB50156-2021

13.5.4

3

GB

4

GB50016

50156-2021

14.2.4

GB

5

GB50156-2021

14.2.7

6

GB50156-2021

14.2.9

7

300m²

GB50156-2021

14.2.10

8

B

GB50016

GB50156-2021

14.2.11

9

3h

GB50156-2021
14.2.12

14.2.12

10

GB50156-2021

14.2.13

1

5kg

GB50156-2021

12.1.1

2

2

5kg

1

5kg

1

6L

2

2

1

6.

1

2

6

“ ” “ ”

7

8

9

10

11

[2018]74

“ ”

12

7.

GB50156-2021

1.

GB50058-2014

1 0

2 1

3 2

2.

1

3.

1

1

1

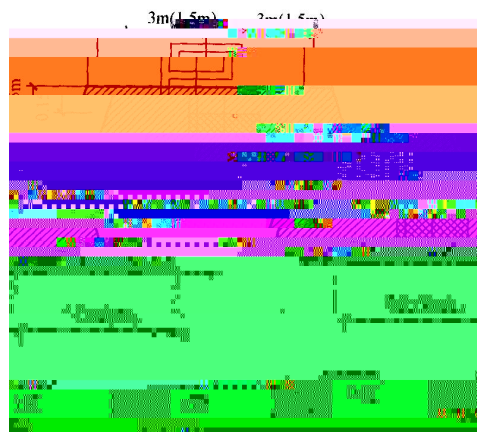
2

4.5m

0.15m

3m

2



1

4.

2

1

0

2

1.5m

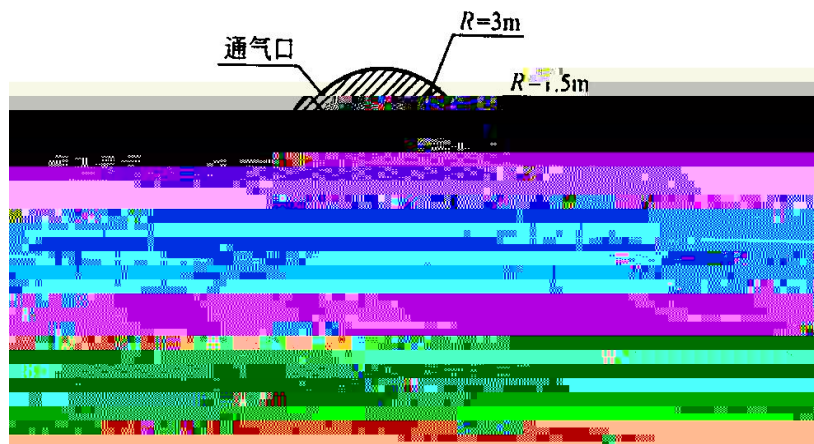
0.5m

1

3
1.5m

3m

2



2

5.

3

1

0

2

1.5m 0.75m

0.5m

1

3

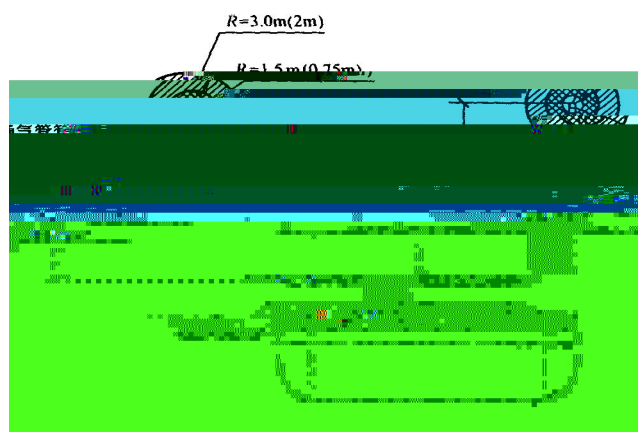
1.5m

1m

3m 2m

1.5m

2



3

1

2

3

4Ψ

5

6

7

h