
1.

1.

1.1

1.2

1.2.1.

1 2021 9 1

2 2026 5

1

3 2021 4 29

4 591 2013 12 7

645

5 708 2019 4 1

6 2025

14

[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

34 324 2018 11

26

	35		23	2024
8	12			
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 6441-2025		
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/T12801-2025)		
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

2.

	1520m ²	SF	4		
1		1		3	2
1	1		1		

4	1	20m ³	1	30m ³	2	40m ³
GB50156-2021					3.0.9	
90m ³						
2026	6					

2.1

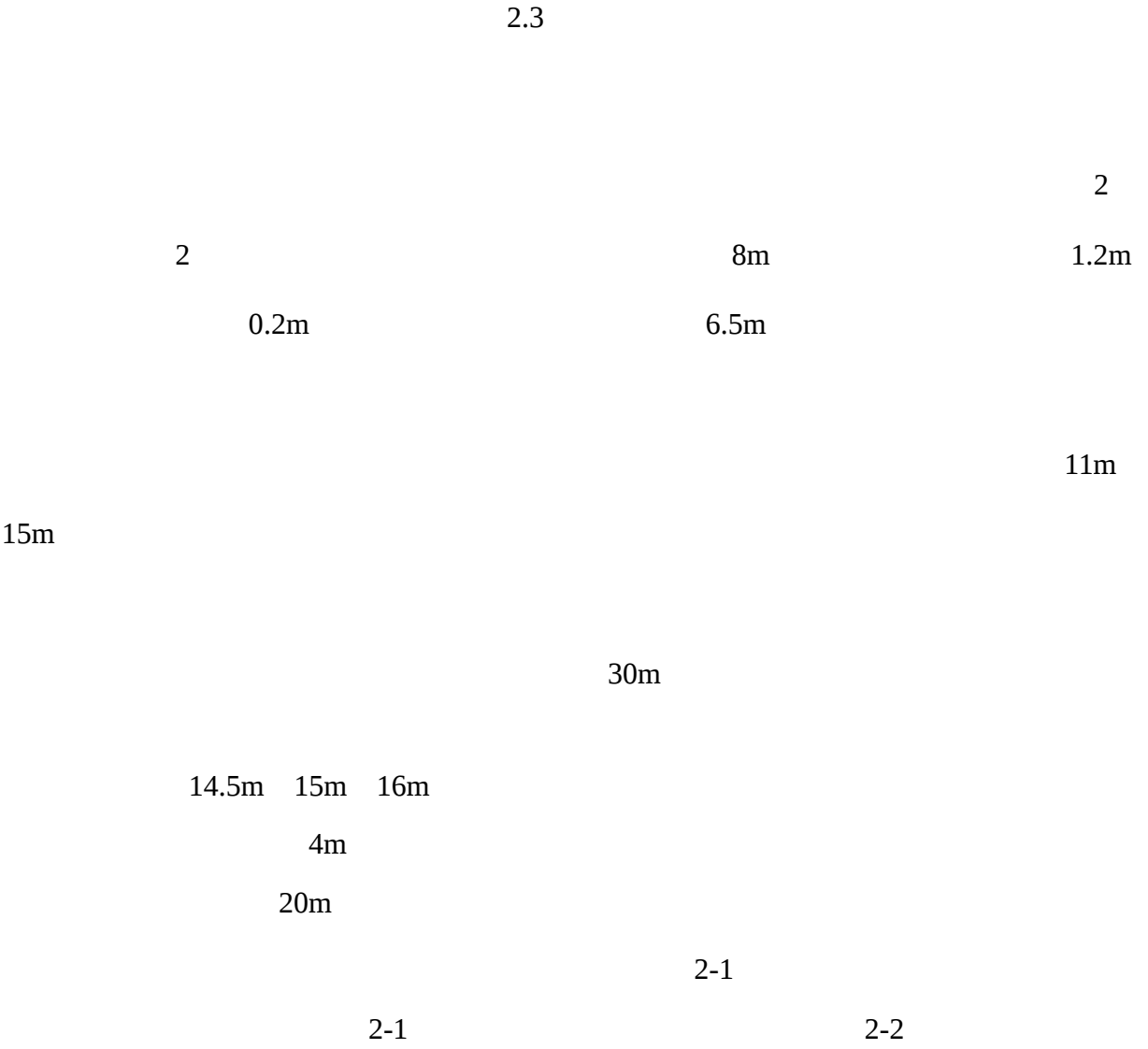
H=10m	48m	33m	35m
22m			

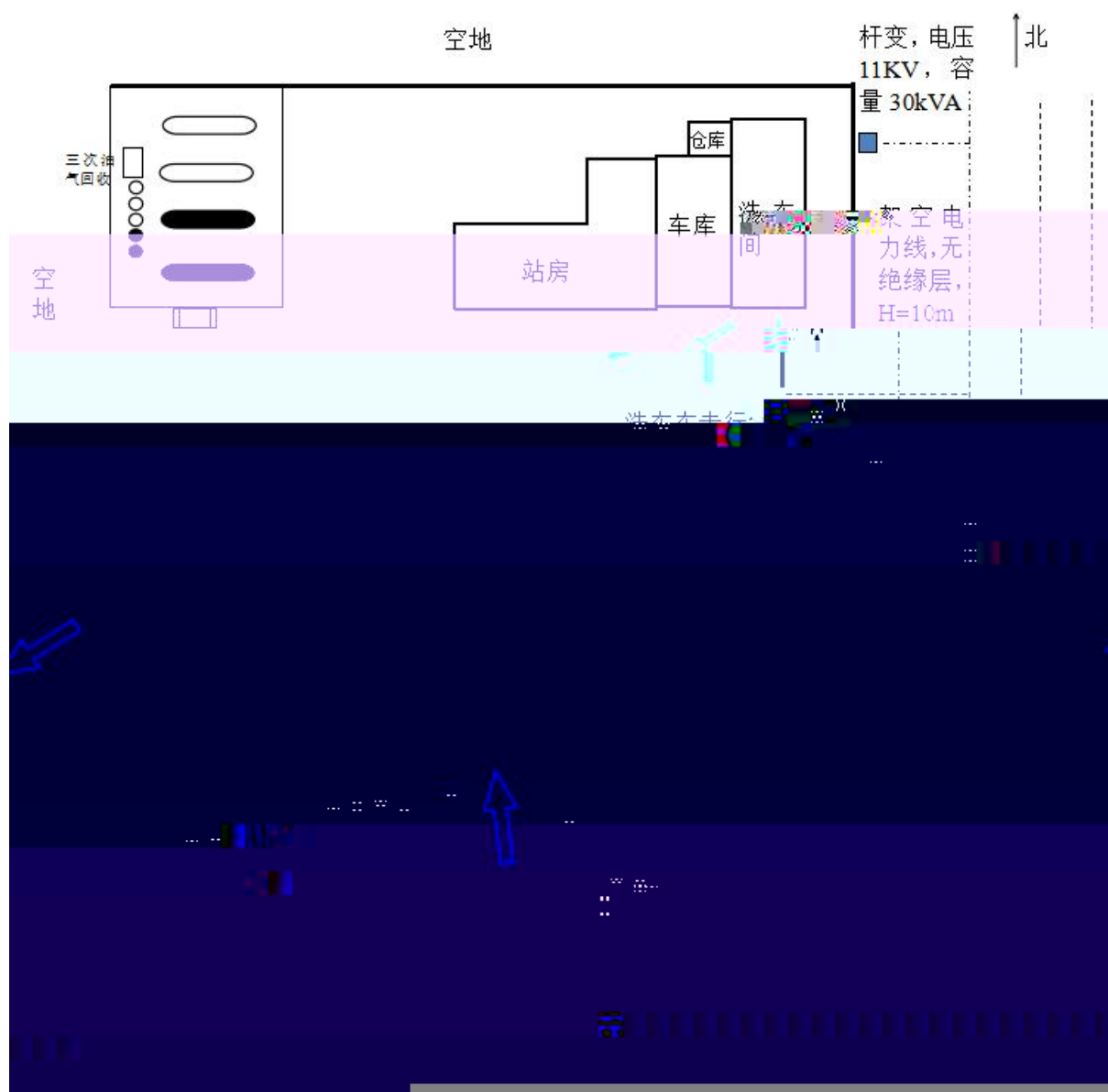
2.2

1		7.7
	7	25.2
	1	-12.7
		38.3
		-30.6
		8.3
		6.9

2

			69%
			67%
	7		78%
	1		61%
3			
			101.2kPa
			103.9kPa
			96.1kPa
4			
			755.4mm
			997.8mm
			520.5mm
			178.2mm
			42.6mm
5			
			250.0mm
6			
			3.2m/s
			23m/s
7			





2-1		m		
	-	-	-	-
	-	-	-	-
		5.5	44	
		5.5	71	
H=10m	-	6.5	60	
11KV		10.5	42	
30kVA	-	-	-	-
	-	-	-	-
		5	30	
				-

			-	-	-	-
				3	22	
				3	51	
	H=10m		-	6.5	36	
	11KV 30kVA			9	43	
			-	-	-	-
			-	-	-	-
				3	41	
				3	78	
	H=10m		-	6.5	68	
	11KV 30kVA			9	50	
			-	-	-	-
			-	-	-	-
				5	43	
				5	78	
	H=10m		-	6.5	68	
	11KV 30kVA			10.5	50	

2-2				m									
0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-
0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-
-	-	-	-	4	(	b	-	-	-	-	-	3	8.5
-	-	-	-	-	-	-	-	-	-	-	-	2	8
4	14.5	3	15	4	20	3.5	20	5	11	4	18	5	16



2.4

2-3

2-3

1			298.92m ²			4.5m
2			406.84m ²			6.5m
3			136.17m ²			
4			13.75m ²			

2-4

2-4

1		1	V=30m ³		SF
2		1	V=20m ³		SF
3		2	V=40m ³		SF
4		2	Q=5~50L/min		
5		1	Q=5~50L/min		
6		1	Q=5~50L/min		
7		1	Q=200L/min		
8		1	SS160PLUS		4
9		1	HC-LD1001G		
10		1			
11		2			
12		1			

2.5

5

1

2.6

2-3

2-4

2-5

2.7

2.7.1

1

() [2026] 145707

:2026 05 28

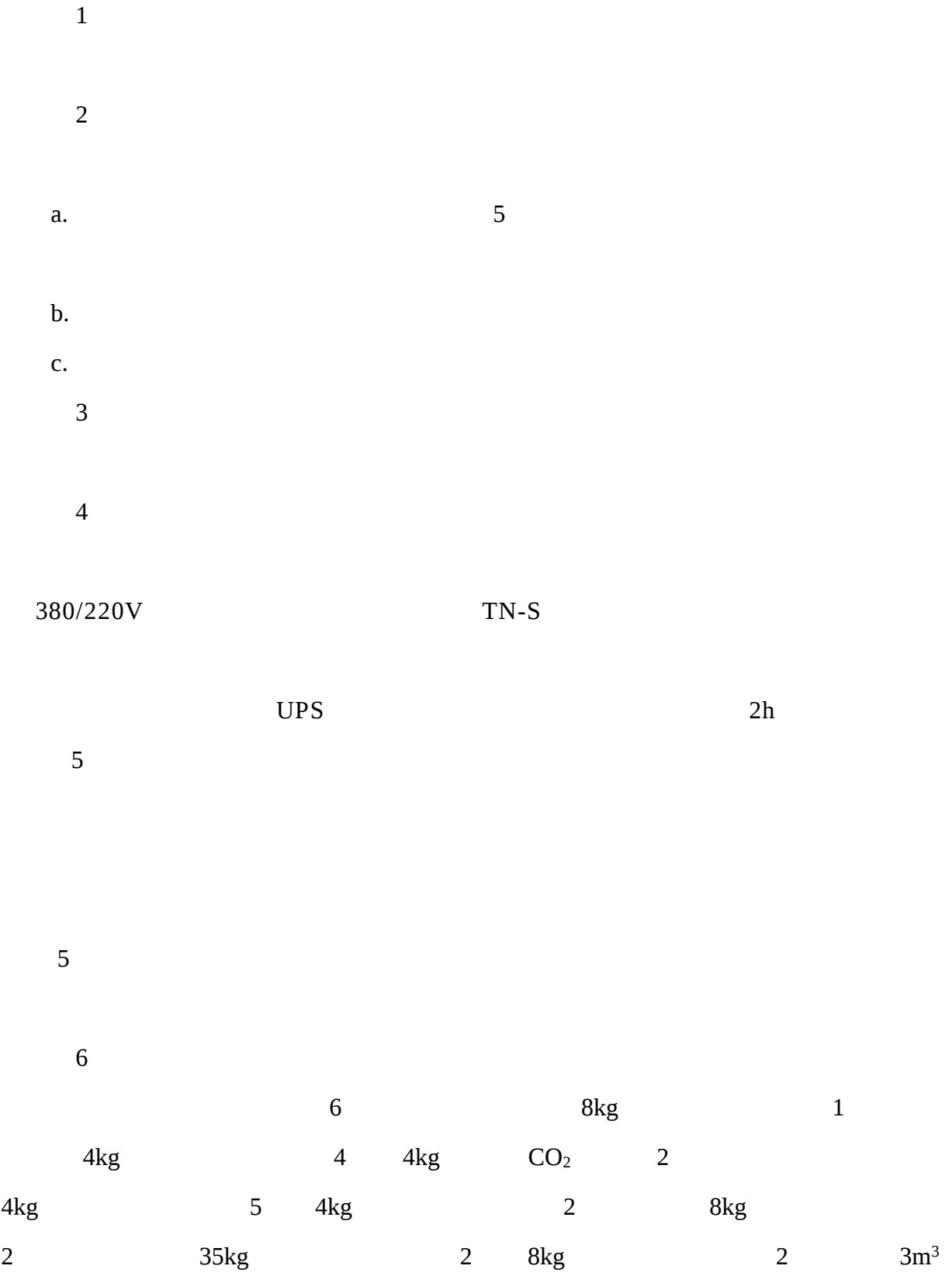
2

(1062024001)[2026]00365

2026 12 15

3

2.7.2



7

13

4

4

4m 5

3m

3.

3.1

3.1.1

GB18218-2018

1

2

6 LÄ+ | L€B 6 c]

$$Q_1 + Q_2 + \dots + Q_n = \dots + t$$

3

3.1.3

23 ≤ 60

3-1

3-1

1		200t
2		5000t

50m³

0.75m³ 0.4%

È "é

37.5t

80m³ È * d +| "é 0.89

71.2t

S=37.5/200+71.2/5000=0.20174<1

3.2

3.2.1

	2*	1B	2
1	-	2	-
	1630		2

E10

92

95

4 -46 1.4 7.6% 415 530

0.813MPa

,

,

:

PC-TWA()(mg/m³) 300

:

:

1

2

3

4

15min

50m

300m

1674

-18

=1

0.87

0.9

282-338

0.6%~7.2%

3.2.2

3

4

3.3.2

1

2

3.3.5

3.3.6

3.3.7

2m

2m

3.3.8

1

5.

8

5-1

5-1

1

2

3

100mm

1.2m

6



GB50156-2021

(5.0.7

“J 0.00/M>€D Q



36

~ •qV — •

u

		GB50156-2021 5.0.13		
	13 C	GB50156-2021 5.0.16		

5-4

1

GB50156-2021

$10^9 \Omega$

6.1.7

$$A=0.04V_t$$

6.

SF

11.2

GB50156-2021

6.1.8

SF

7

GB50156-2021

6.1.9

8

80mm

SF

4mm

GB50156-2021

6.1.10

11

GB50156-2021

6.1.13

12

				45°
	150mm	200mm		
			200mm	
				150mm
9				
	4m		GB50156-2021	
			6.3.9	4m
	2m			
10				
		50mm	GB50156-2021	
			6.3.10	50mm
11				
		2KPa~3KPa	GB50156-2021	
	1.5KPa~2KPa		6.3.11	
12				

	30kV		$10^{10}\Omega$
13		GB50156-2021 6.3.13	
14		GB50156-2021 6.3.14	
15			
2‰		GB50156-2021 6.3.15	2‰
1%			1%
			0.5m
16			
0.4m			
0.2m	100mm	GB50156-2021 6.3.17	0.2m
			0.5m
17			
		GB50156-2021 6.3.18	
18	6.3.12		

19

GB/T21447

GB50156-2021

6.3.20

20

23

GB 50156-2021

6.5.4

24

6.3

5mm

GB50156-2021

6.5.5

5%

25

3.5mm

GB50156-2021

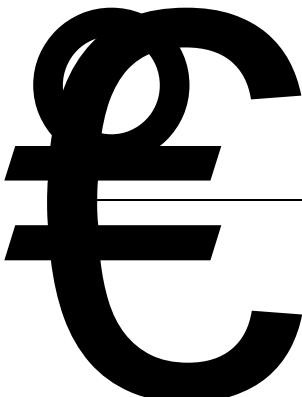
	1 2 1 5kg 6L 15m 2m³ 2	2 5kg 1 2 2 35kg 5 2 2m³	GB50156-2021 12.1.1	6 8kg 1 35kg 2 8kg 2 3m³
	2	GB50140	GB50156-2021 12.1.2	4kg 4 4kg CO₂ 2 4kg 5 4kg 2 8kg 2
	1 0.25m 0.25m	GB50156-2021 12.3.2		

	2	GB50156-2021 12.3.3		
	1	AQ3010-2022 4.4		
	2	AQ3010-2022 4.4		
	3	XF/T 3004-2020 8.1		
	4	XF/T 3004-2020 8.4		

5-6

	1	GB50156-2021 13.1.1		

2	380/220V	GB50156-2021 13.1.2
3	90min	GB50156-2021 13.1.3
4		90min
	4.5m 4.5m	5m GB50156-2021 13.1.4
3m		
5		GB50156-2021 13.1.5
6	LPG LNG CNG	

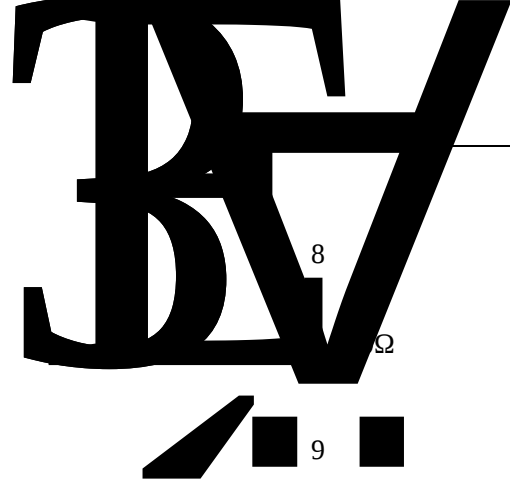




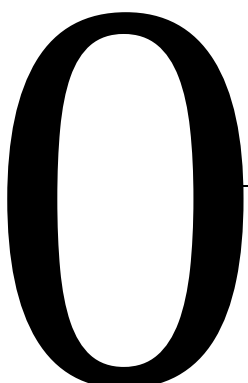
GE 56-2021
.2.2

3

LPG



GB50156-2021
13.2.10



GB20120-50

1

5.0.1

2

5.0.5

3

5.0.8

1

GB50156-2021

1

“é

GB50068

GB50011

GB50009

GB50011

3

0.15 0.2m
1.2m

1.2m
0.2m

0.6m

0.6m

GB50156-2021
14.2.3

100mm

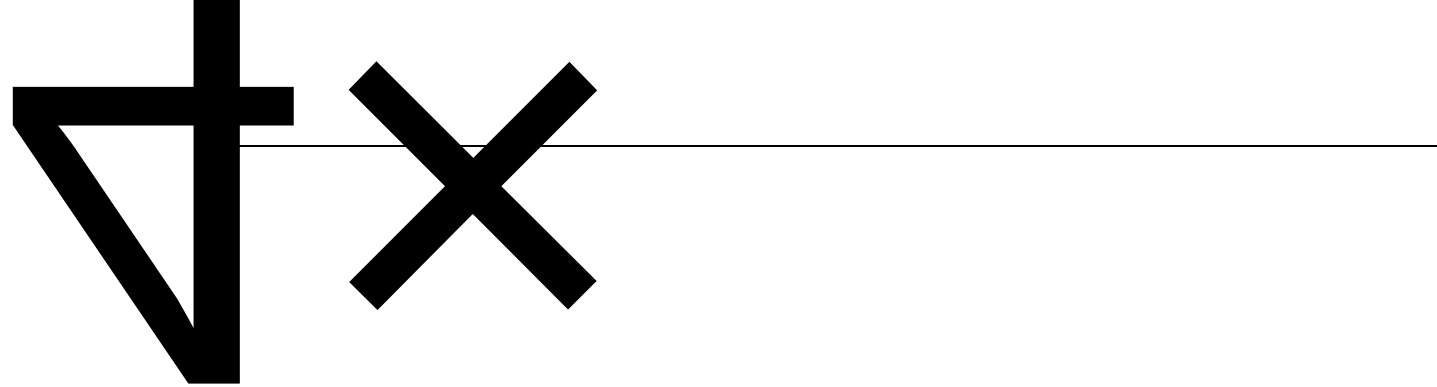
0.5m
100mm

0.5m

4

GB50156-2021
14.2.7

5



Ե թ•Էգ լԵ ԵԶ. Է

Զ

11

9

20

1

1		8kg	4	4
2		35kg	1	2
			2m ³	3m ³
			2	6
		8kg	-	2
3		4kg	-	4
		4kg CO ₂	-	2
4		4kg	-	5
		4kg CO ₂	-	2
5		8kg	-	2

6.

1

2

3

“

”

“

”

“

”

4

5

6

“ ” “ ”

7

8

9

10

11

[2018]74

12

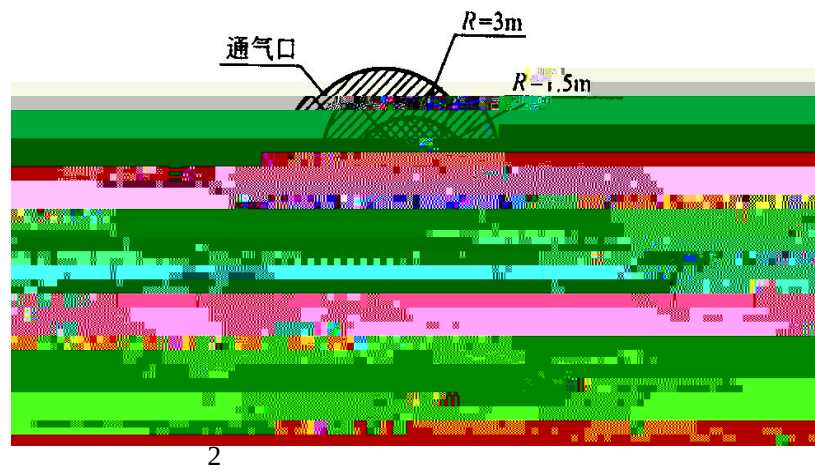
7.

GB50156-2021

3
1.5m

3m

2



5.

3

1

0

2

1.5m 0.75m

0.5m

1

3

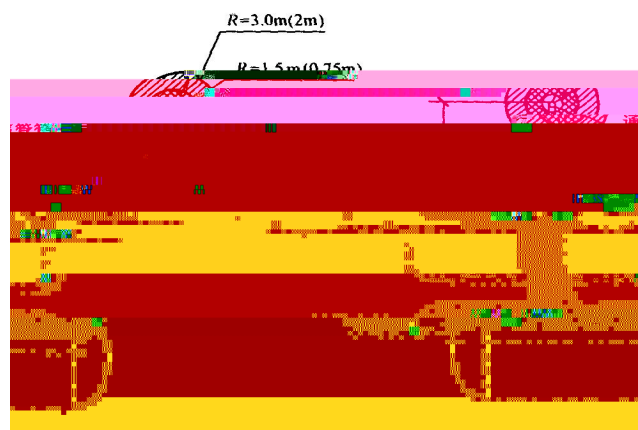
1.5m

1m

3m 2m

1.5m

2



2026