
1.	.....	1
1.1	.....	1
1.2	.....	1
1.3	.....	1
1.4	.....	5
2.	.....	7
2.1	.....	7
2.2	.....	7
2.3	.....	8
2.4	.....	14
2.5	.....	14
2.6	.....	15
2.7	.....	16
3.	.....	20
3.1	.....	20
3.2	.....	21
3.3	.....	26
4.	.....	31
4.1	.....	31
4.2	.....	31
5.	.....	32
6.	.....	59
7.	.....	62
	.....	62
	.....	62

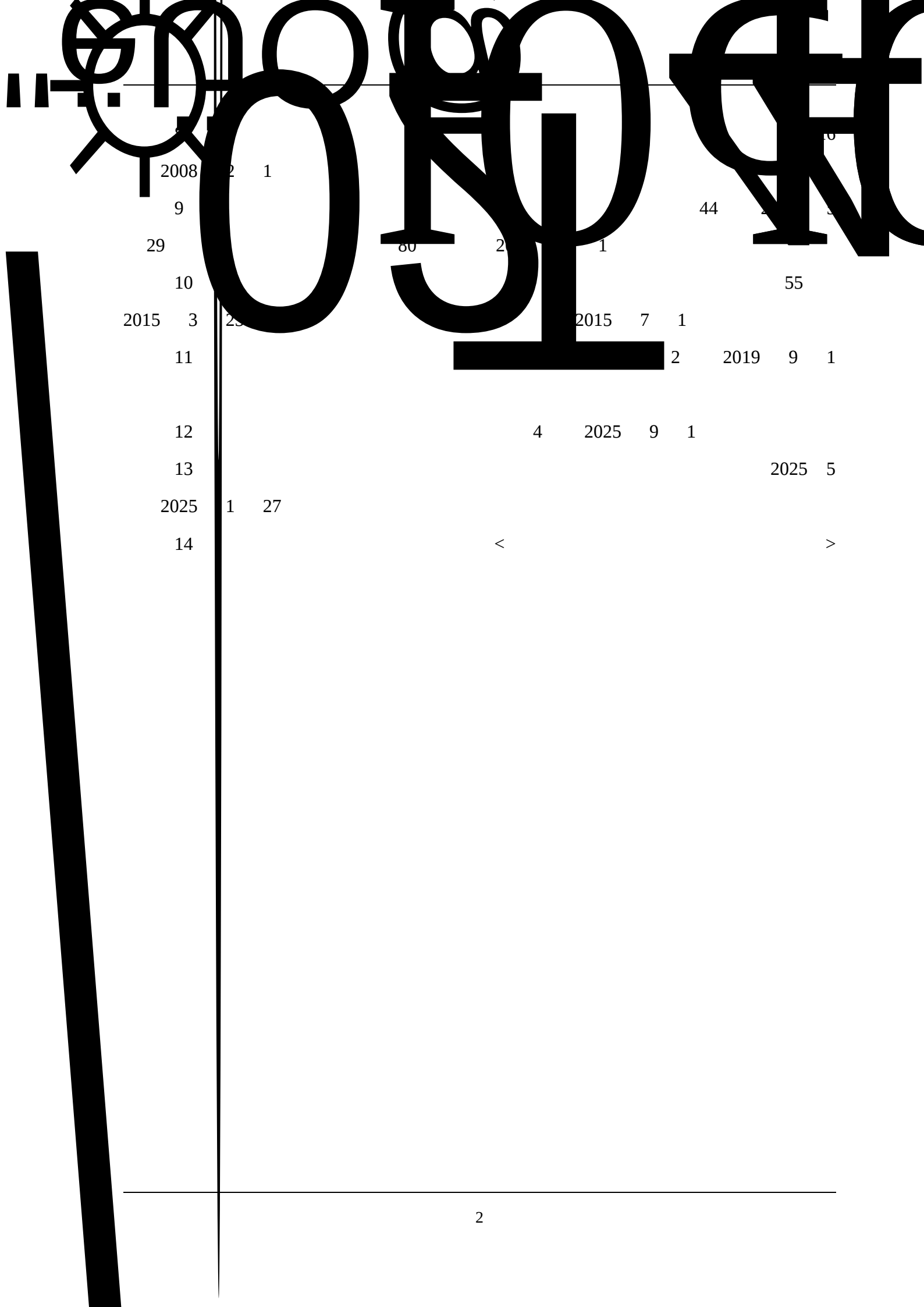
1.

1.1

1.2

1.2.1. ∞

1								2021	9	1
2								2024	11	1
3						591	2013	12	7	
645										
4						708	2019	4	1	
5					2025					
14	34	2025	5	28						
6										2024
23	2024	10	1							
7									3	2015
5	29				80	2015	7	1		



21

2020 1 2020 5 30

22

1.2.2.

1	GB50156-2021	
2	GB 6944-2025	
3	GB 12268-2025	
4	GB 18218-2018	
5	GB 17914 2013	
6	GB 50058-2014	
7	AQ 3009-2007	
8	GB/T 6441-1986	
9	GB/T 13861-2022	
10	GB 50140-2005	
11	GB 50057-2010	
12	GB 12158-2024	
13	-	SH/T
3178-2015		
14	GB/T 50610-2010	
15	GB 50395-2007	
16	GB/T 29639-2020	
17	YJ/T 9007-2019	
18	(AQ 3010-2022)	
19	GB30871-2022	
20	(XF/T 3004-2020)	
21	GB55036-2022	
22	GB/T 13869-2017	
23	GB/T 34661-2017	
24	GB/T 35579-2017	
25	GB/T 50759-2022	
26	AQ 8001-2007	

1.2.3.

1	2005	4	
2			2002
11			
3		2003	7

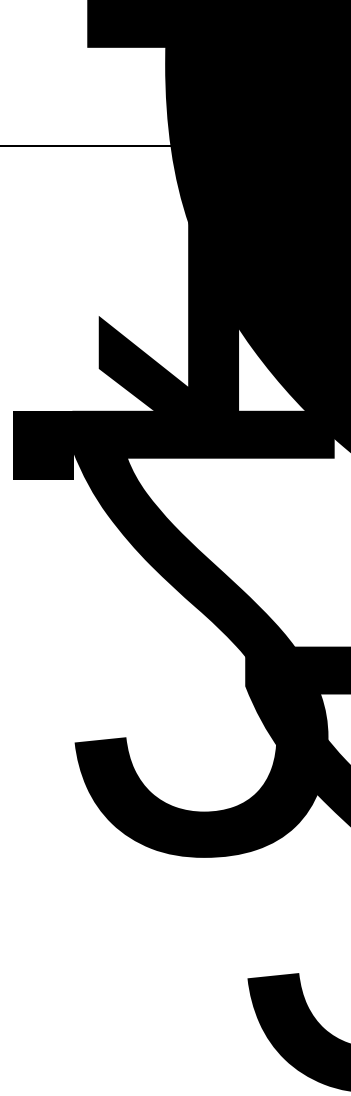
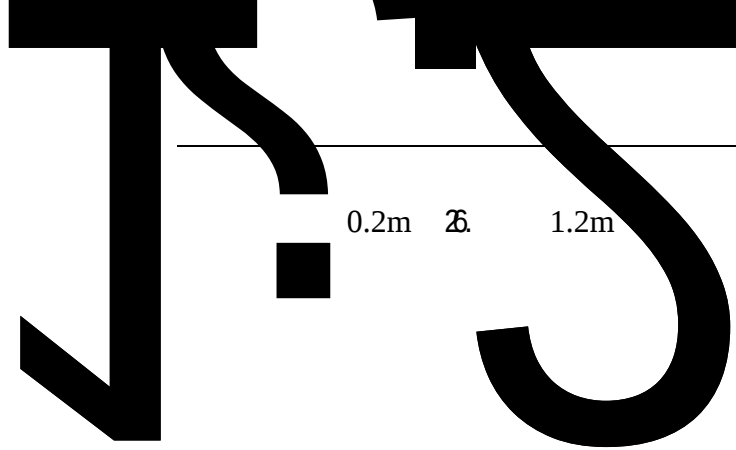
1.3

- 1
- 2
- 3
- 4
- 5

1.4

1-1





0.2m

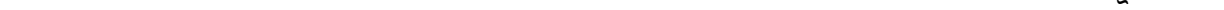
Æ

1.2m

0.6m

J

Q



	2-1	∞	m	
	G304		5.5	35
	1		7	55
	2		7	42
	3		7	15
	1 H=10m		5	25
	H=8m	-	5	10.5
	G304		5	38
	1		7	61
	2		7	45
	3		7	14
	1 H=10m		5	24.5
	H=8m	-	5	10
	G304		5	38
	1		7	34.5
	2		7	46
	3		7	39
	1 H=10m		5	45
	H=8m	-	5	30.5
	G304		3	37
	1		6	55
	2			

	3			6	13
	1 H=10m			5	25
	H=8m		-	5	10.5
	G304			3	38.5
	1			6	61
	2			6	45
	3			6	13
	1 H=10m			5	24.5
	H=8m		-	5	10
	G304			3	25
	1			6	37
	2			6	59
	3			6	42
	1 H=10m			5	45
	H=8m		-	5	30.5
	G304			5	34
	1			7	59
	2			7	45
	3			7	18
	1 H=10m			5	24.2
	H=8m		-	5	15.7

2-2

m

	0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-
	0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	3	8
	-	-	-	-	-	-	-	-	-	-	-	-	2	8
	4	10.5	3	10.5	4	18	3.5	18	5	5	4	18	5	9
	2	4.5	2	4.5	2	4	2	4	-	-	-	-	-	-
	10.5	53	9	53	10.5	60	9	60	10.5	25	9	28	-	-
	10.5	53.5	9	55	10.5	61	9	62	10.5	33	9	31.5	-	-
2	5	38	5	37	5	44	5	43	5	16.9	5	23	-	-

2.4

2-3

2-3

∞

1

120m²

2

400m²

H=6m

$$\leq m \hat{A}$$

150Pa

2-2

2-3

2-4

2-5

2-6

|

2-2

2.7

2.7.1

1

912101817748375092

2024 12 03

2

[2022]000335

2022 11 11

3

[2025]00126

2025 10 22

4

2.7.2

1

2

a.

5

b.

C.

3

4

10KV

380/220V

TN-S

UPS

5

5

6

5

5kg

2

5kg

4

2kg

CO₂

5

5kg

2

35kg

2

5kg

2

$$2m^3$$

7

10

3

4

 $4m \quad 3$

2.5m

qQ”

3. ∞

3.1

3.1.1

Đ Đ

$$Q_1 \quad Q_2 \dots Q_n \text{ ————— } t$$

3

3.1.3

$$23 \leq 60 \qquad 3-1$$

3-1		
1		200t
2		5000t

$$45t \qquad 60m^3 \qquad 0.89 \qquad 53.4t$$

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

,

$$3.2 \qquad \infty$$

$$3.2.1 \qquad \infty$$

$$\begin{array}{ccccccc} & & 2^* & & 1B & & 2 \\ 1 & & - & & 2 & & - & & 2 \\ & & 1630 & & & & & & \end{array}$$

$$\begin{array}{ccccccc} & & E10 & & GB\ 18351-2017 & & \\ 89 & 92 & 95 & 98 & 4 & & =1 & 0.72 & 0.775 \end{array}$$

530

0.812

• :

PC-TWA()(mg/m³) 300

:

D ≠

Claudio

1.5

5

1

2

3

1000m³

4-11

Q

) 0 : 0.5m³

S

2

6

15min

50m

300m

1674

-18

=1

0.87

0.9

282-338

0.6%~7.2%

6		

3

4

3.3.2

1

2

3

3.3.3

5. ∞

8

5-1

∞

5-1

	1		
	2		
	3		
	4		
	5		

∞

5-2

	1		
	2		
	3		
	1		
	2		
	3		
	4		
	5		
	6		
	7		

	8		
	9		
	10		
	11		
	12		
	13		
	14		
	15		
	16		
	17		
	18		
	1		
	2		
	3		
	1		
	1		
	2		
	3		
	1		
	2		
	3		
	1		
	2		
	3		

GB/T29639-2020

4.0.4

4.0.4

4

GB50156-2021

4.0.12

12

GB50156 5.0.13-1

GB50156-2021

7

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

7

GB50156-2021
6.1.9

8 H

4mm 80mm SF

GB50156-2021
6.1.10 -/ ǒ

± 0.05mm

1

11

GB 156-2021

GB 156-2021

12 0#PS#eN5'— 0\$ ŸQ

4

GB50156-2021

6.2.4

5

GB50156-2021

6.2.5

1 Ɔ
V

Ɔ

GB50156-2021

6.3.1

2

Ɔ

GB50156-2021

6.3.2

U

3

Ɔ

GB50156-2021

6.3.3

„Ɔ

4

Ɔ

Ɔ

0

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

25mm

8

			GB50156-2021	
			6.3.8	
	100mm	▽ 50mm 45°		100mm
	T			45°
		150mm		
	200mm			150mm
	200mm			
	9			
	4m		GB50156-2021	
	2m		6.3.9	4m
	10	50mm	GB50156-2021	50mm
			6.3.10	
	11			
		2KPa~3KPa	GB50156-2021	
		1.5KPa~2KPa	6.3.11	
	12			
		GB/T8163		
		4		

	4mm $10^{10}\Omega$ $10^8\Omega\cdot m$ 100kV		$10^8\Omega\cdot m$ $10^{10}\Omega$	
	13	GB50156-2021 6.3.13		
	14	GB50156-2021 6.3.14		
	15 2‰ 1%	GB50156-2021 6.3.15	2‰ 1%	
	16 0.4m 0.2m 100mm	GB50156-2021 6.3.17	0.5m 0.2m 0.5m	

	17		GB50156-2021 6.3.18		
	18	6.3.12			
	1	2.8m/s			
	2		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		GB50156-2021	SF	

	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		GB50156-2021 6.5.6		
		3.5mm		3.5mm	

5-5

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

	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		

8.4

3

LPG

GB50156-2021

13.2.4

4

Δ

GB50156-2021

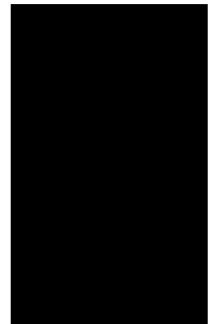
13.2.6

Δ

0.5mm

0.65mm

0.7mm



2

5

GB50156-2021

13.2.7

GB50156-2021

6

GB50156-2021

13.2.8

7 380/220V

380V

TN-S

TN-C-S



	9		GB50156-2021 13.2.11		
	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 13.2.16	1	
	1		5.0.1		

2

4.5m

2m

7

B

B

GB50156-2021

GB50016

14.2.11

8

3h

GB50156-2021

14.2.12

9

5-8

1

2

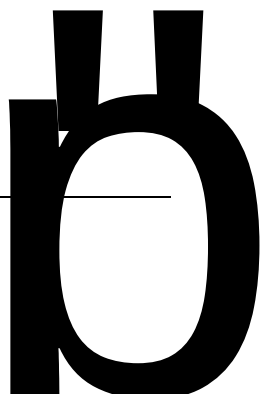
3 “

8

9

10

$$\forall \lambda_i, \quad \lambda_i > 0$$





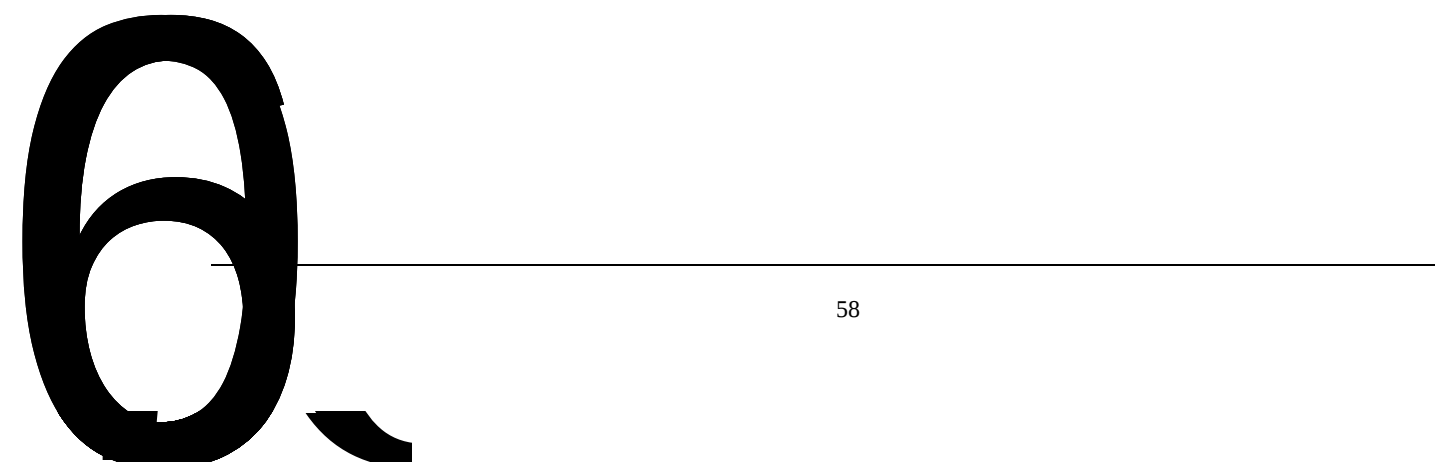
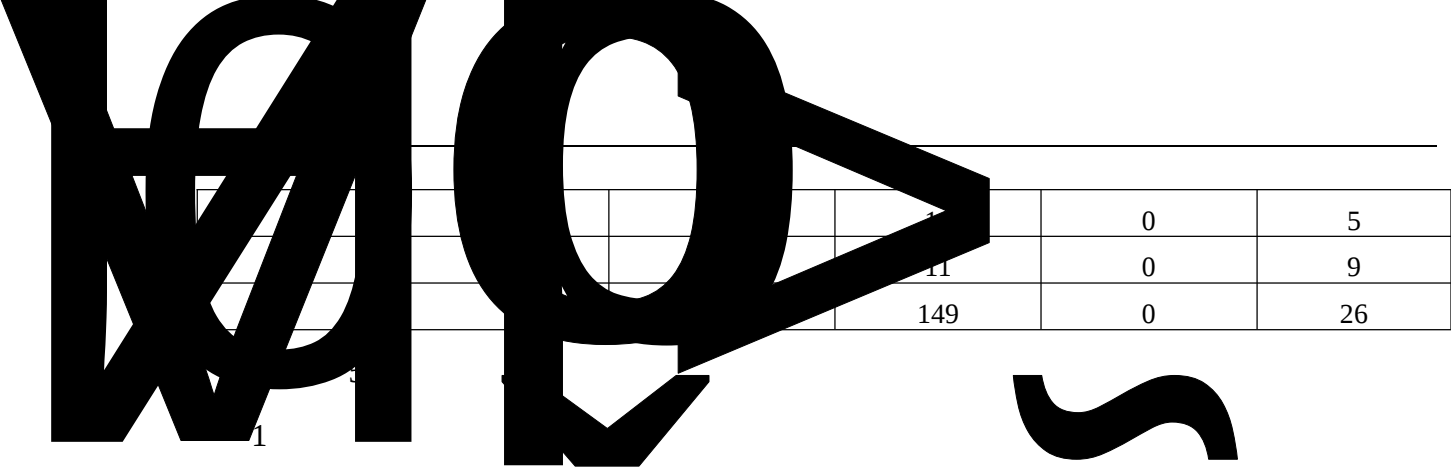
16

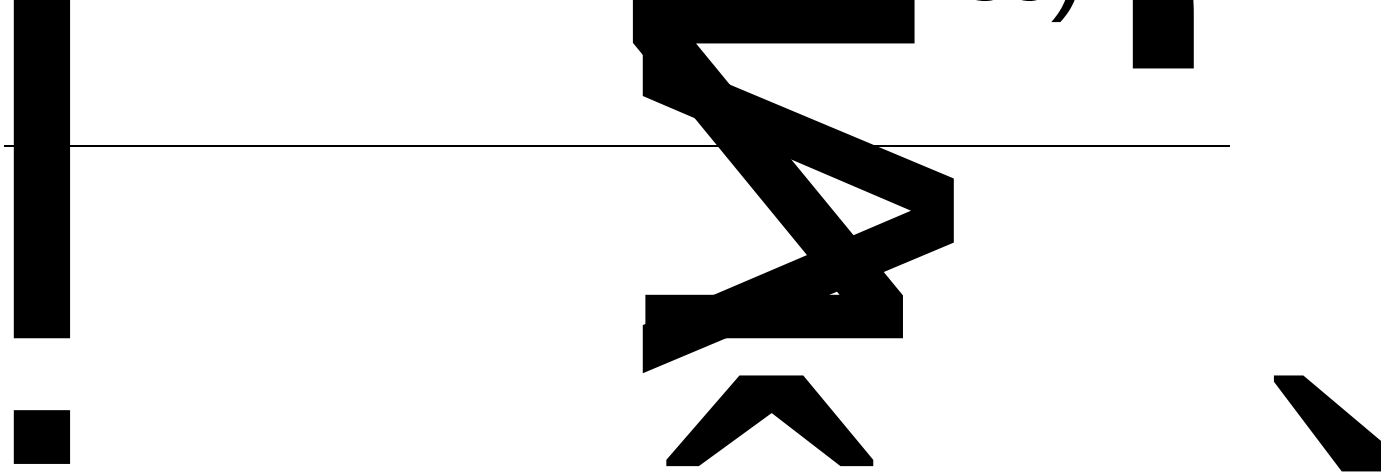


17

18

19





6

“

”

“

”

7

8

9

10

11

“

”

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

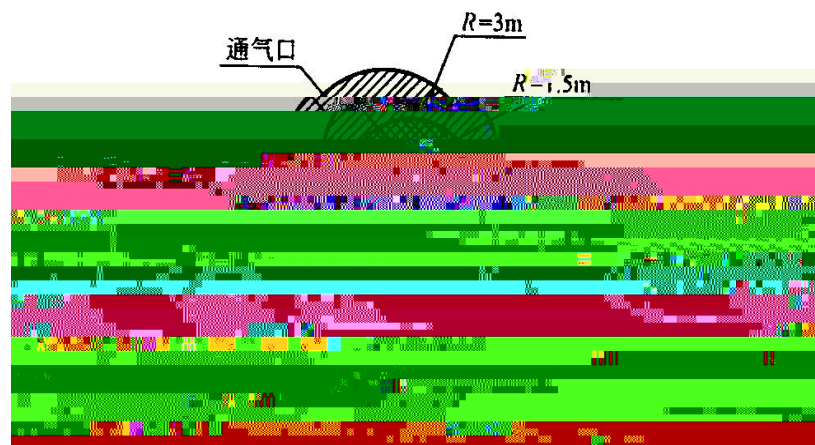
1

3

3m

1.5m

2



2

5.

3

1

0

2

1.5m 0.75m

0.5m

1

3

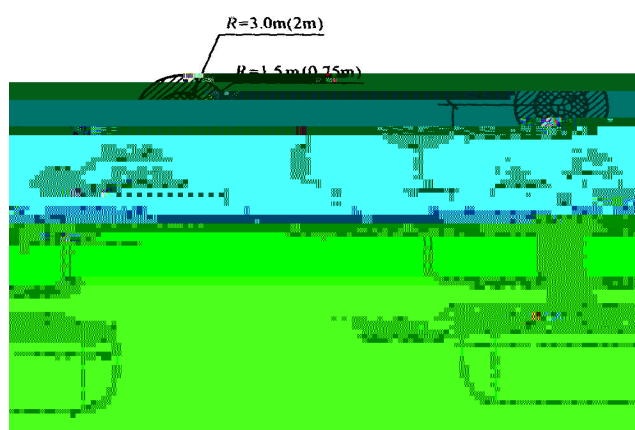
1.5m

1m

3m 2m

1.5m

2



3

