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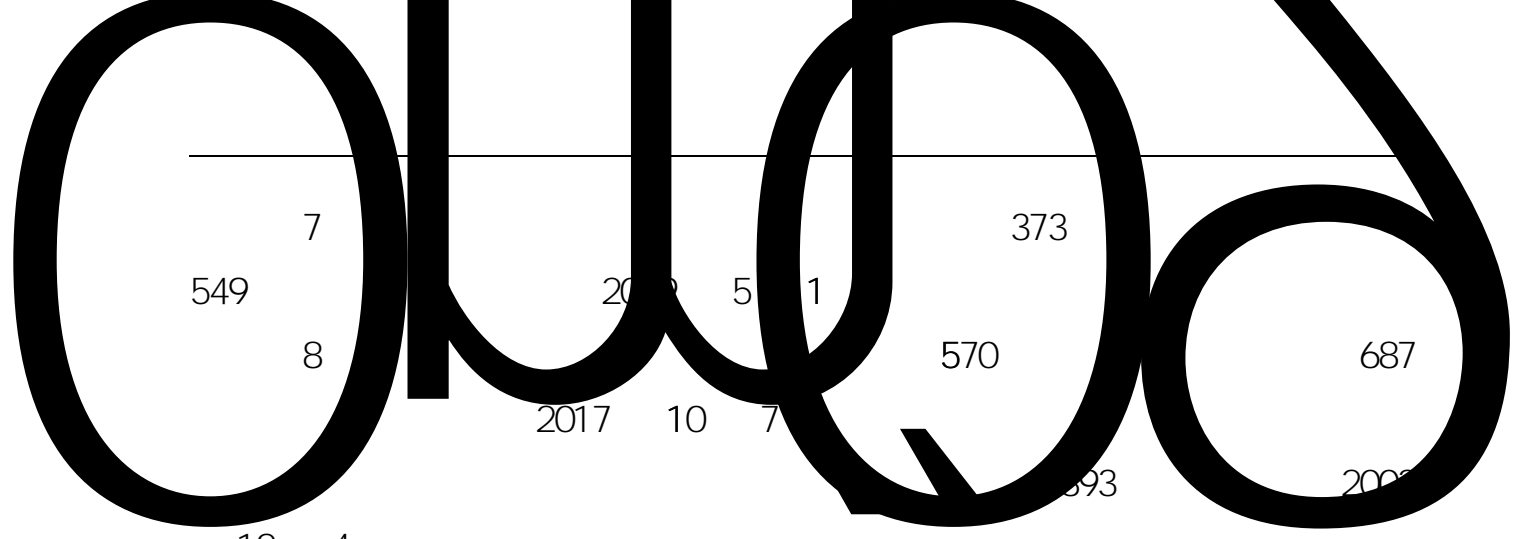
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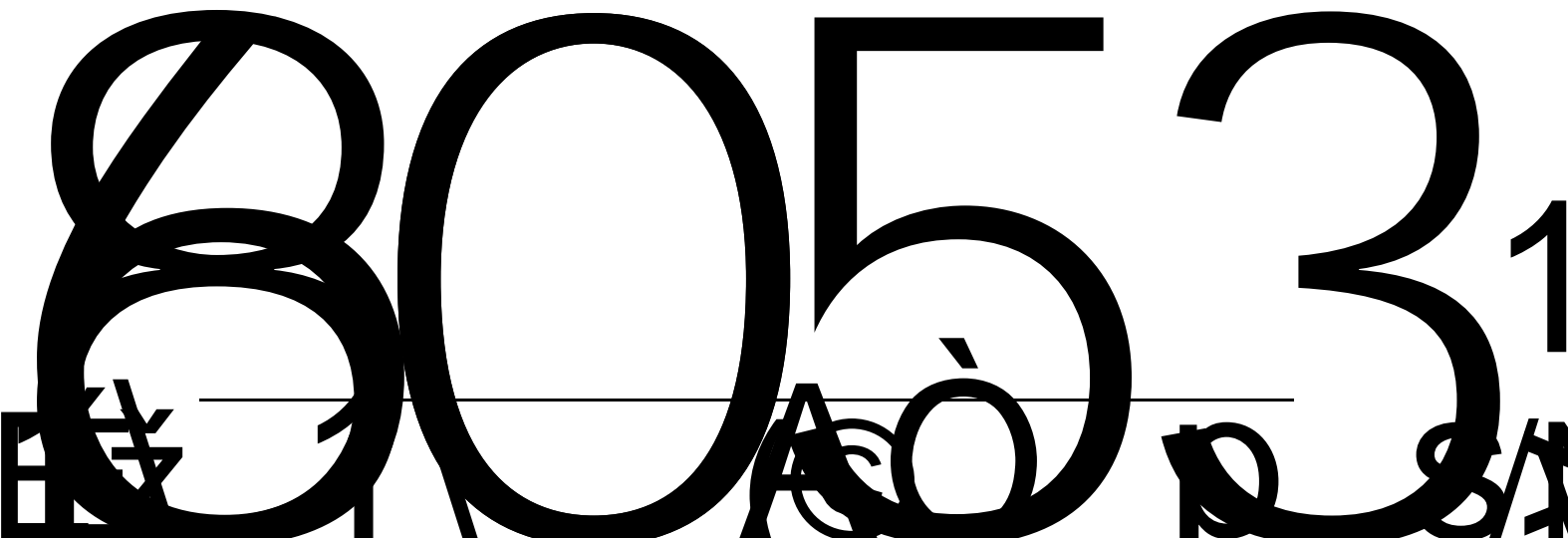
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 4 [2011] 142

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8 [2016] 11 2016 10 5 2

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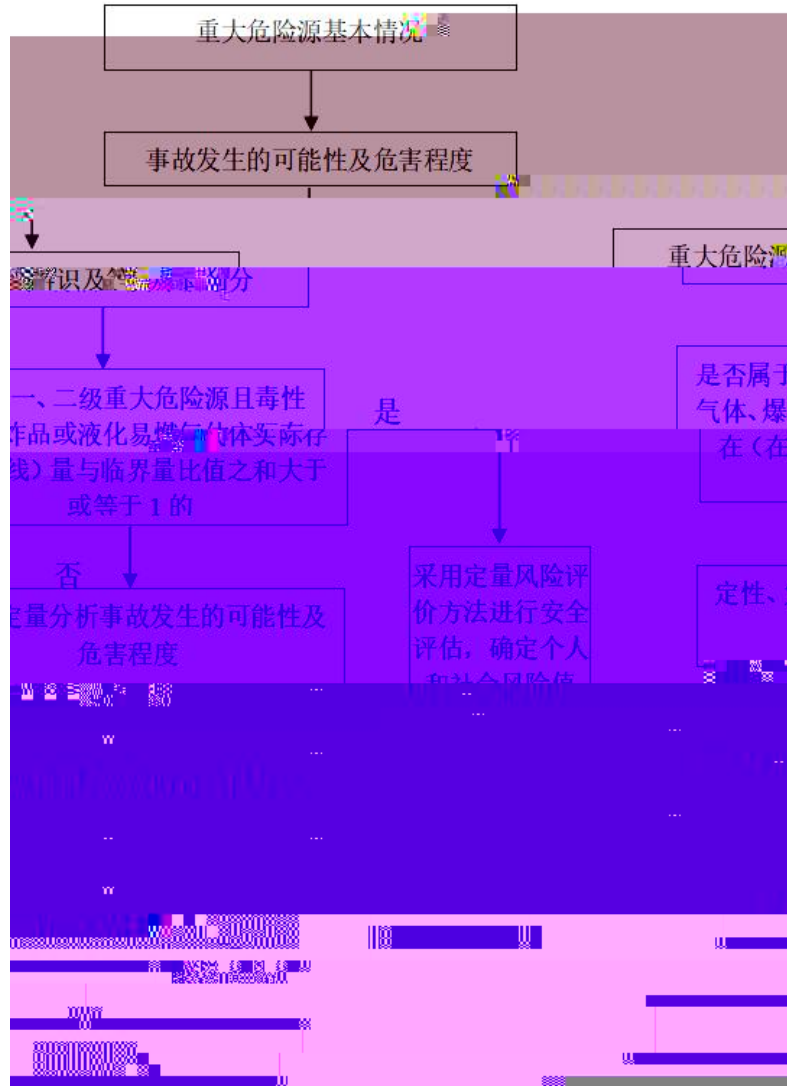
GB/T 2801. 2- 2020

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45		GBZ/T230- 2010	
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47		GBZ1- 2010	
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49			2
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	GB/T50493- 2019		
51		GB55036- 2022	
52			GB50974- 2014
53		GB50140- 2005	
54		GB15630- 1995	
55		1	GB4053. 1- 2009
56		2	GB4053. 2- 2009
57		3	
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62		GB50055- 2011	
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64		GB/T50115- 2019	
65		GB50395- 2007	
66		GB50348- 2018	
67			GB50343- 2012
68		GB/T21447- 2018	
69		GB50011- 2010	2024

1-1



2000

3×10^4

2-1

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3

m'

1 400m'

1 400m'

1

1

20m'

1 50m'

1

30m'

1

1 m'

2150m

2-1

2-3

2-4

1500m

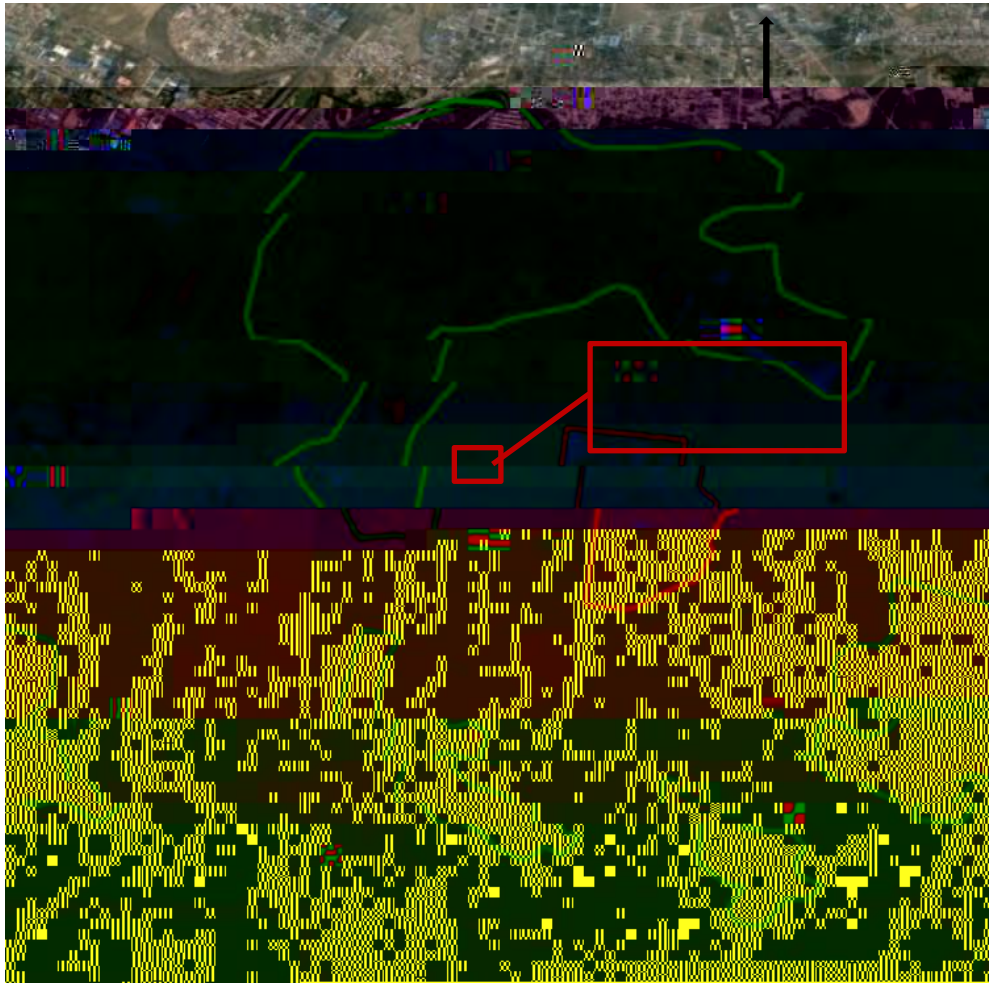
1620m

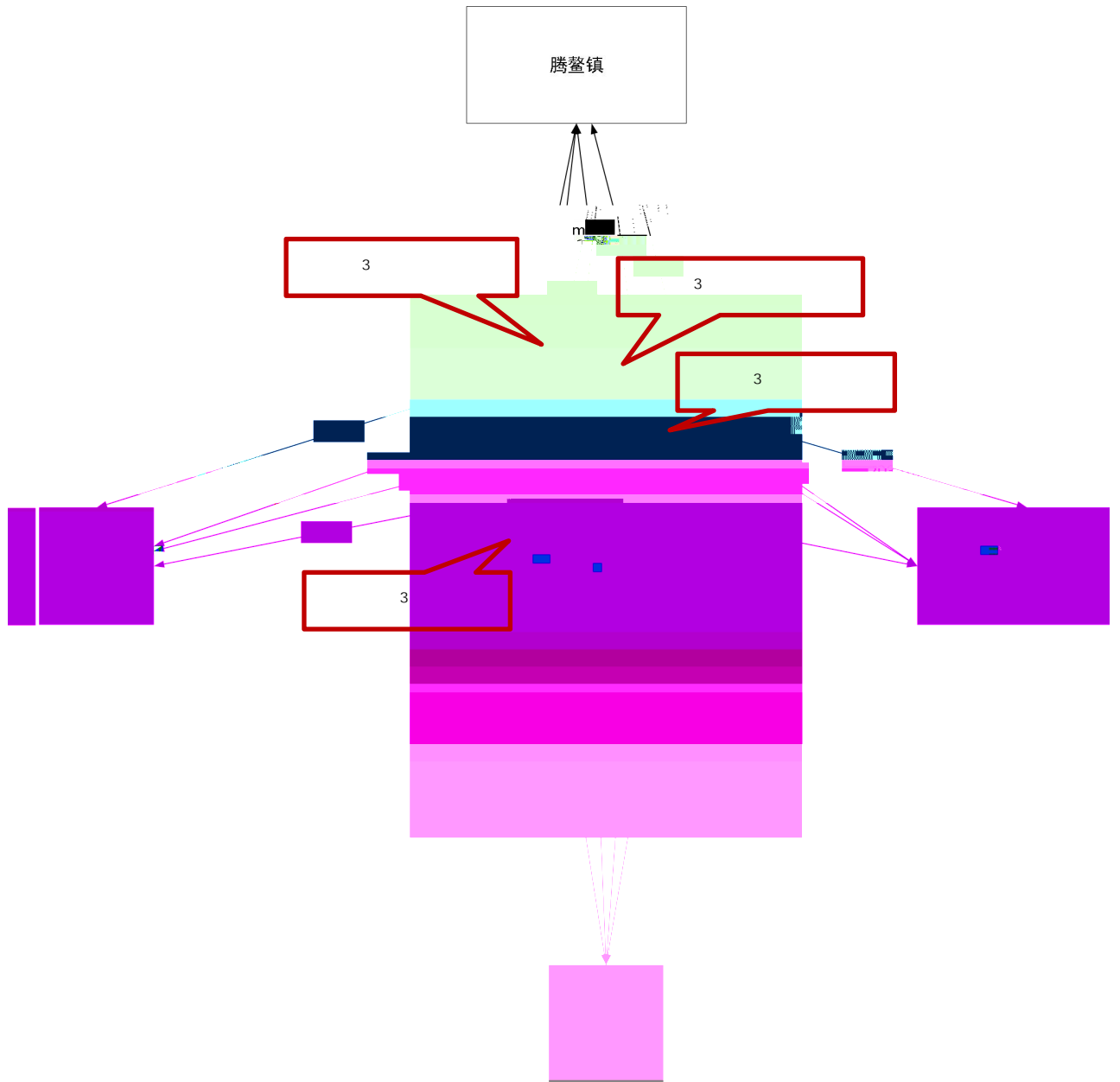
2-2

2#

2300m

1#

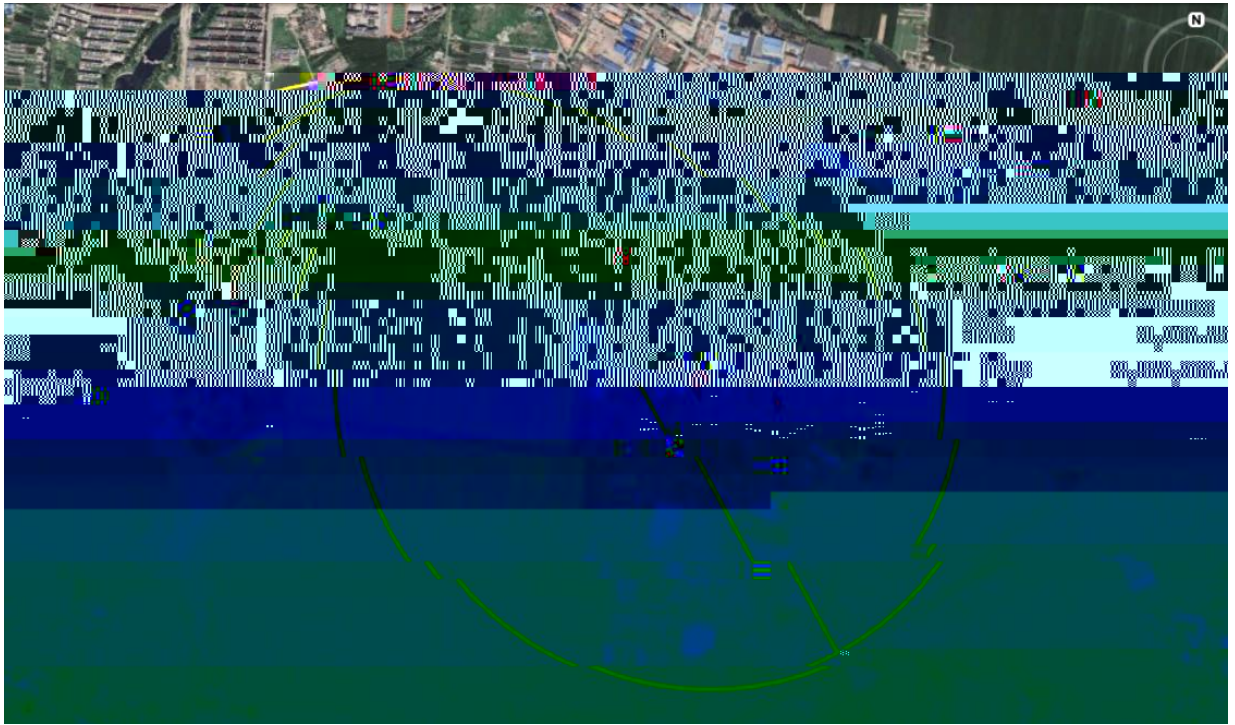




				m	m		
1	400m ²			985	25		
				2240	25		
				1950	25		

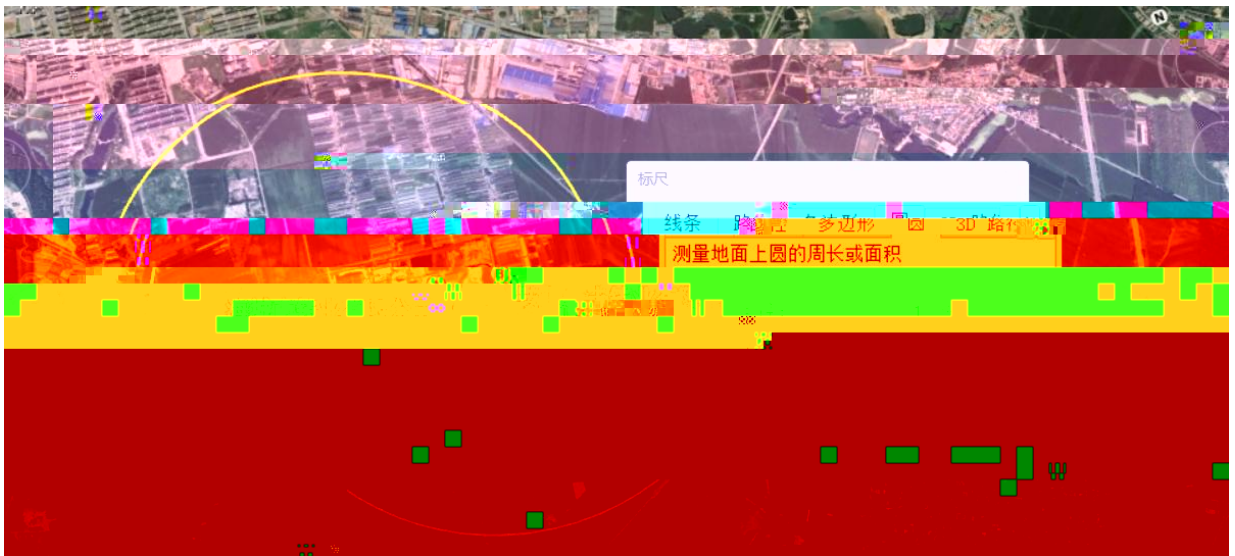
2300

25



1km

1067m



1km

1085m

1 ϕ ς

19.8

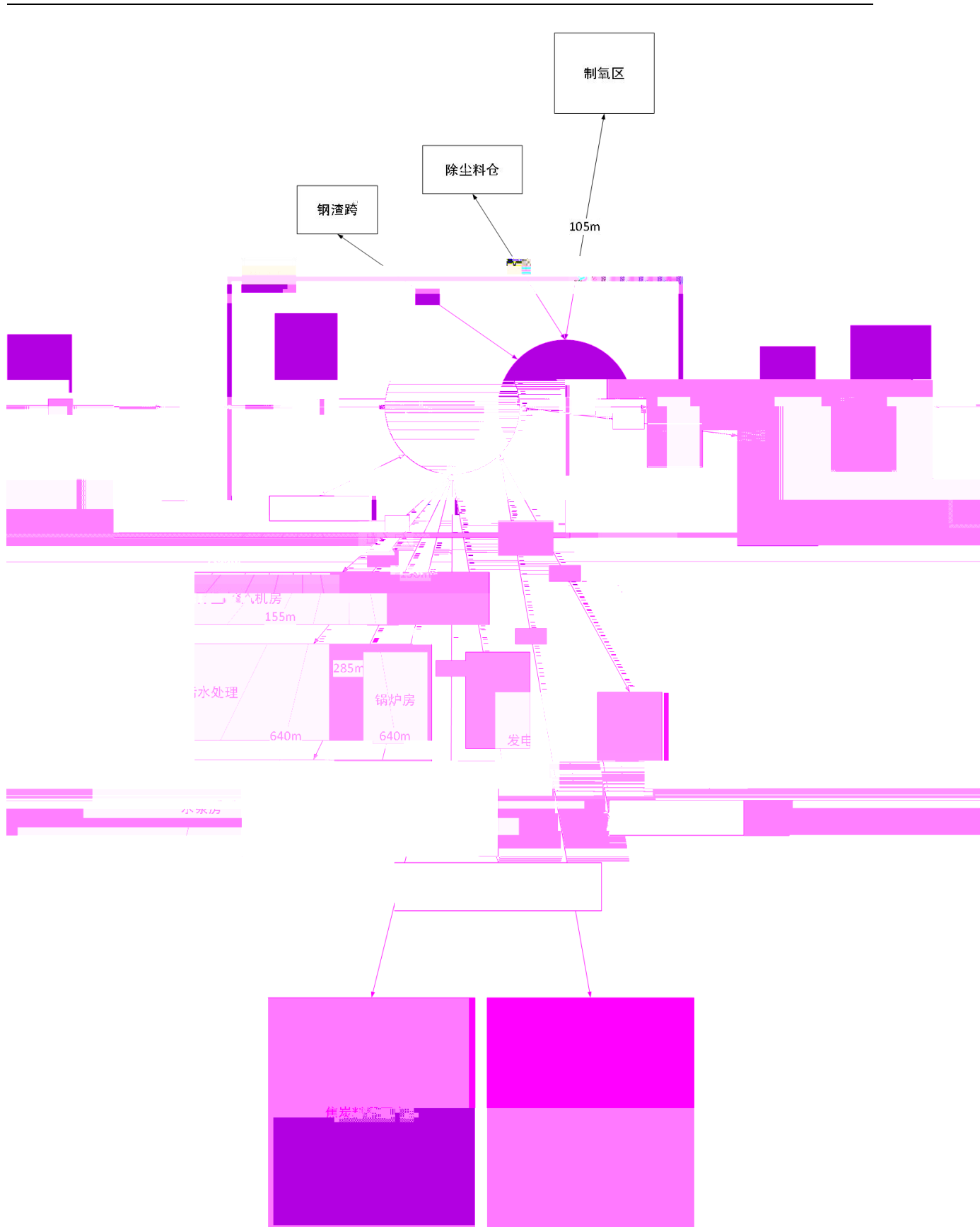
9

7m 8m

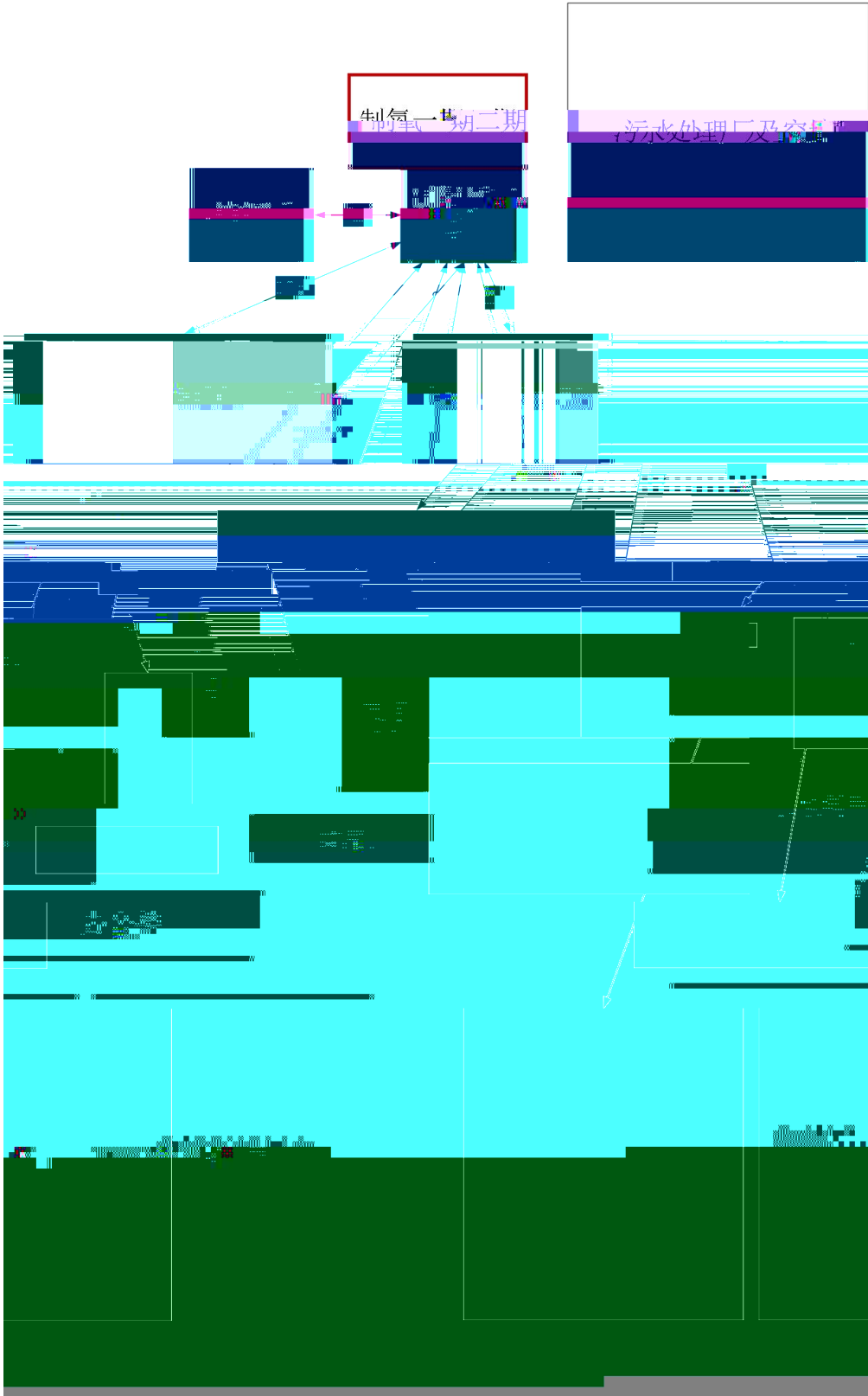
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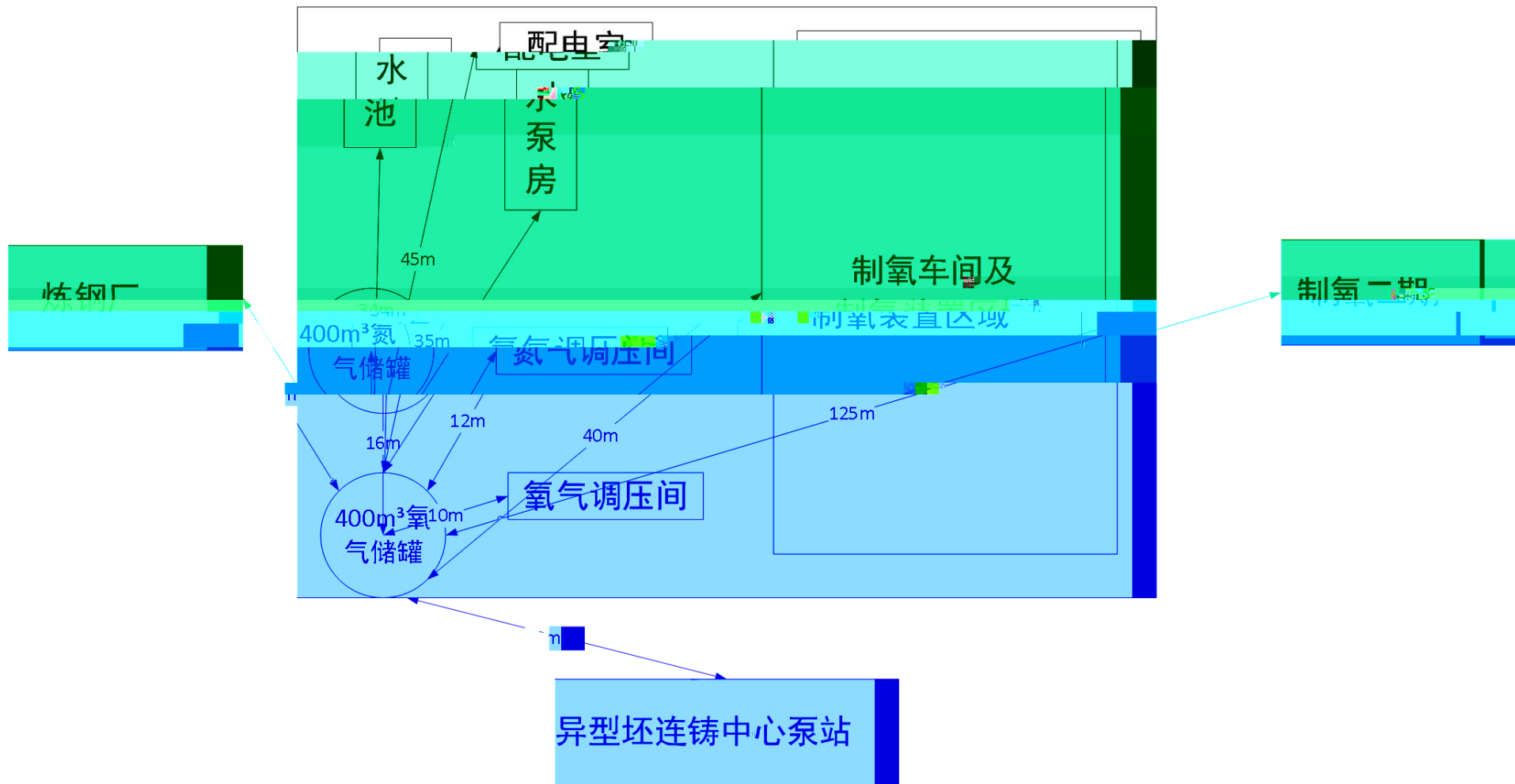
2016

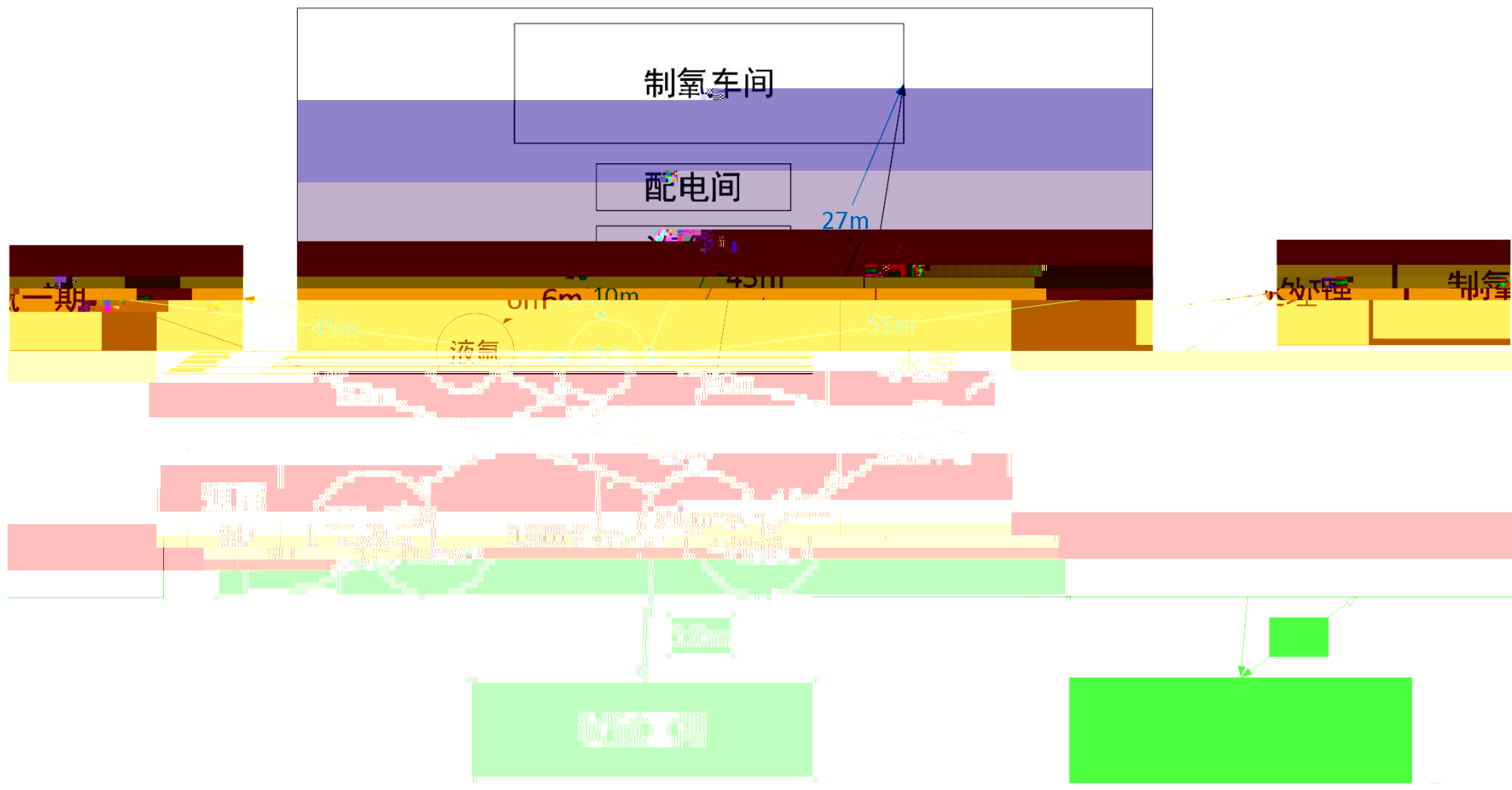
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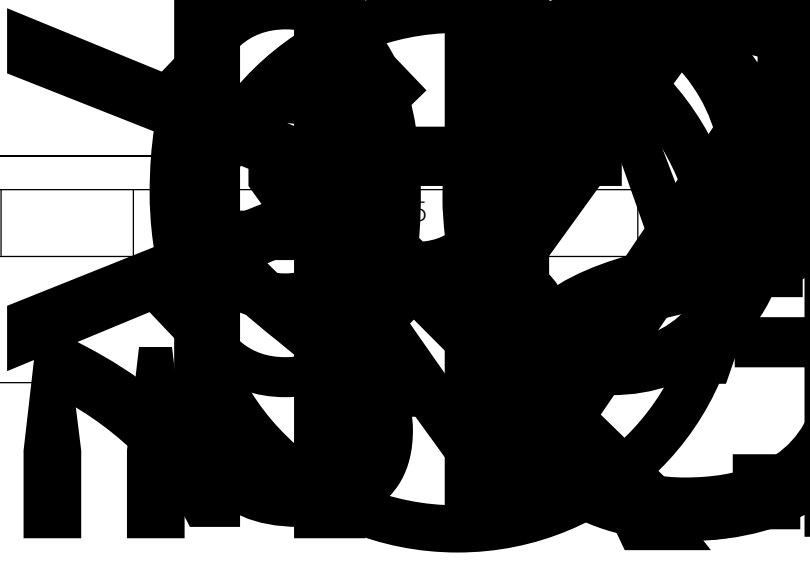
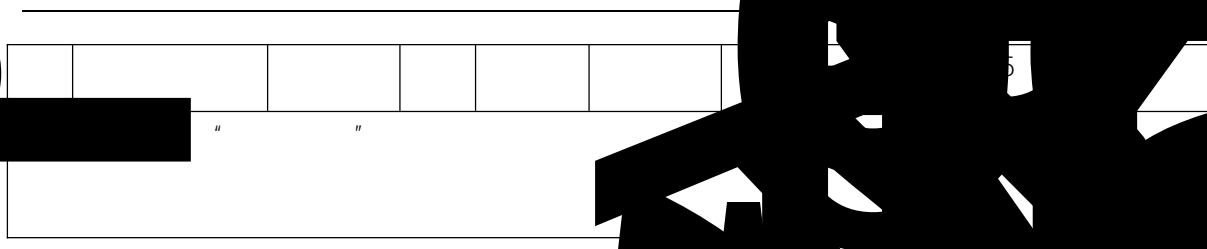
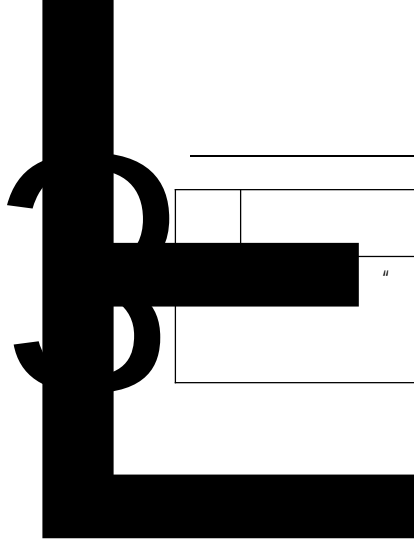


2-6









5



15mg/m³

12kPa

2-8



-120

-160

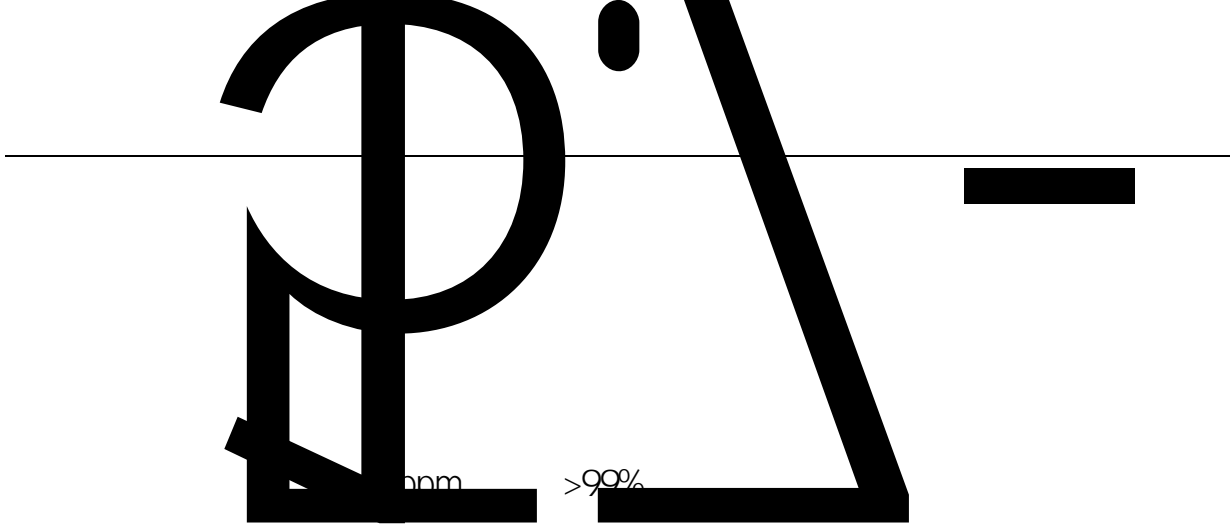
+

1

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2

90KPa

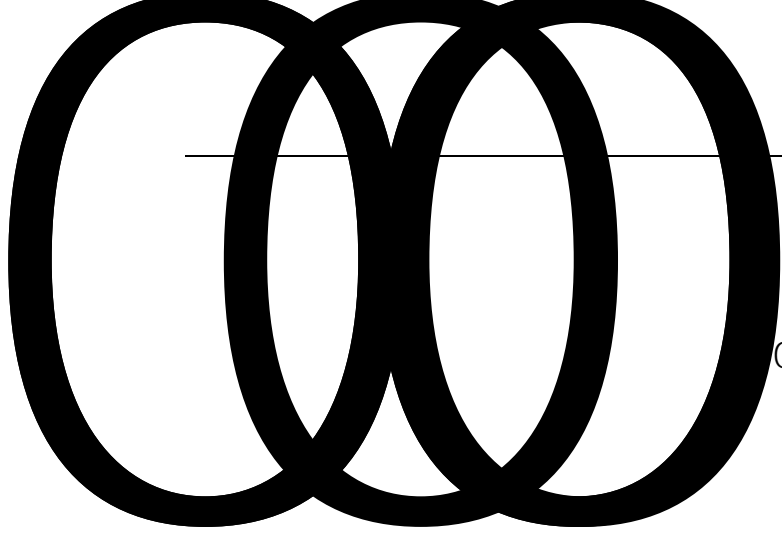


- 195.78 9f159%



	26			
	1384	--		
	122.4	1		
	60	1		
	228	1		
	216	1		
	1092	1		
	40	1	-	-
	180	1		
400m³	42.25	1	-	
650m³	42.25	1	-	
	42.25	1	-	
	42.25	1	-	
	30.25	1	-	
	45	1		

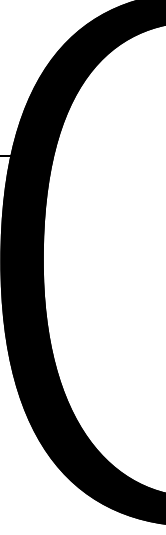
				3	
				3	
				3	



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40× 4

1m

DCS

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-183

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21%

40%

40%-60%

80%

60kpa~100kpa(

40%

2. 2

33%

50%

75%

30min

30

CO CO₂

N₂ H₂ O₂

3-2

	CO	CO ₂	N ₂	H ₂	O ₂
V%	60 80	15 20			

d BT1

650 700

12. 5%

74%

1. 25kg/m³

60 80%

2013

1

1000m³

2 1000m³

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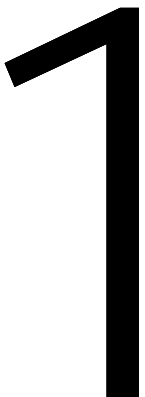
57 M.3(e) VΓ€€>[8' V

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(PC-STEL)

20mg/m³ (PC-TWA)

30mg/m³

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DCS

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DCS

DCS

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3

DCS

CPU

UPS

GB36894

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3.3

1

GB36894- 2018

4-1

	/	/
	3×10^7	3×10^6
	3×10^6	1×10^5
	1×10^5	3×10^5

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F-N

3

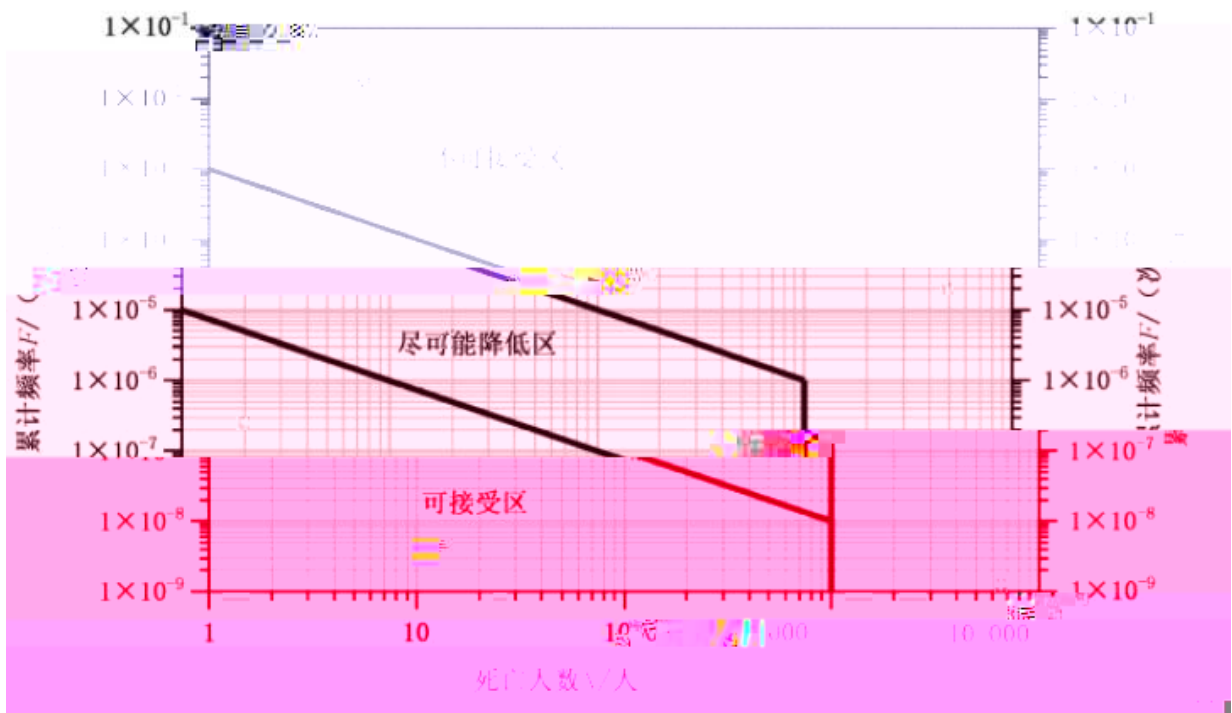
4-1

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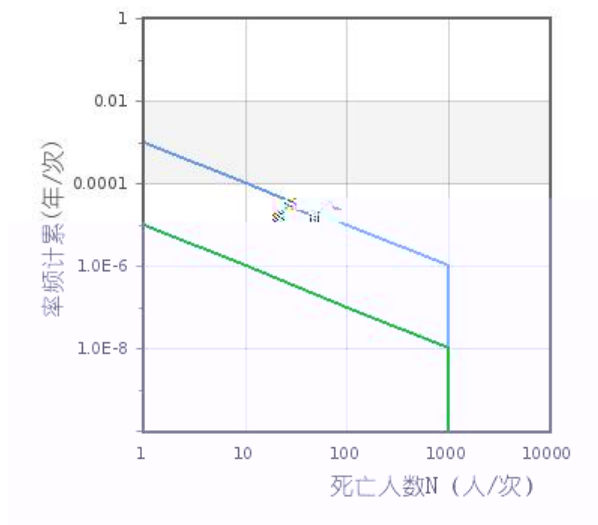
4-2 /

	3.00E-05	
	1.00E-05	
	3.00E-06	

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GB36894-2018

4-2

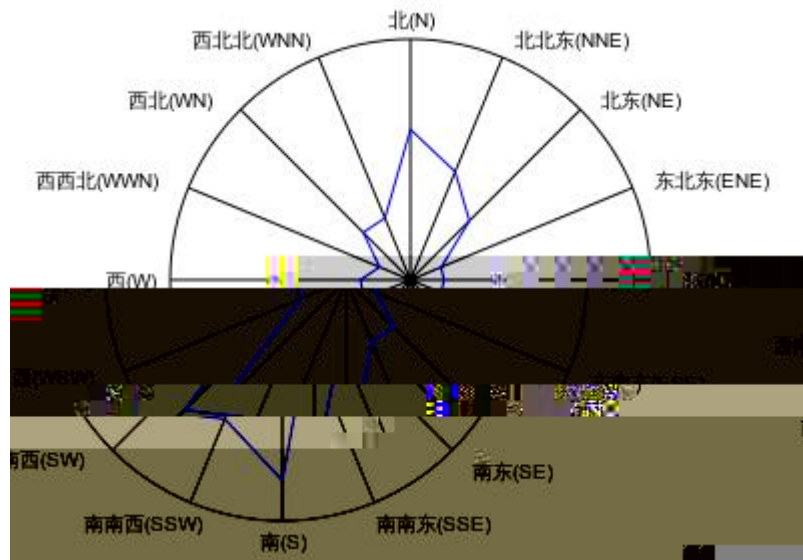


3

4-3

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317.98, 652.98

10kg/s<=

<=100kg/s

UVCE ,

LEAK

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K 323

pa 107325

kg/m³ 0.5

0~1 1

0~1 0.8

Kj /Kg 18250

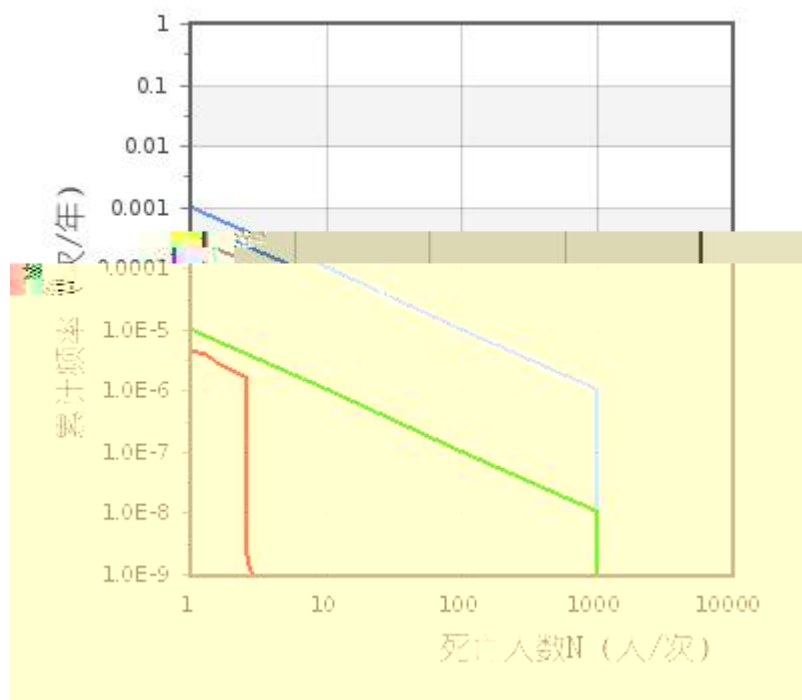
× 10⁻⁶

7

F/N

4-5

标准名称：中国：《GB36894-2018》



1 3

1 10⁵ /

1 × 10⁶ /

4-6

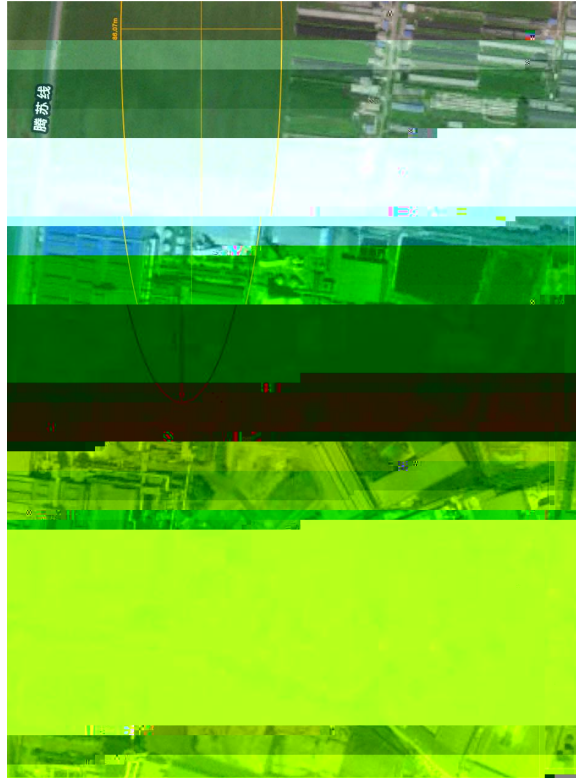


- () 17.24m
- () 50.5m
- () 138.28m

1000m

S O o U
j Q, Q P (• 1000
v s

2.2.2



m 644
m 86.07
79285.99

2

(m) 644m
NW

(m) 86.07m

GB18218-2018

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

S—

$q_1 \quad q_2 \dots q_n$ —

$Q_1 \quad Q_2 \dots Q_n$ —

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GB18218-2018

R

1 R

	R 100
	100>R 50
	50>R 10
	R 10

6-4

1

1

0.1m³

10m³

$W=PVM/RT$

W

P

V

M

R

T

$$2.5 \times 10^6 \text{Pa} \times 0.8 \text{m}^3 \times 32 \text{g/mol} / 8.3145 \times 273+25 = 0.052 \text{t}$$

$$10 \text{m}^3 \times 1.14 \text{t/m}^3 = 11.4 \text{t} \quad 200 \text{t}$$

2

$$V = [1.01 \times 10^5 + 3.0 \times 10^3 \times 3.0 \times 10^4] / (31 + 273.15) \times (25 + 273.15) / 1.01 \times 10^5 = 3.028 \times 10^4 \text{ m}^3$$

$$1.25 \text{ kg/m}^3$$

$$M = 1.25 \times 10^{-3} \times 3.028 \times 10^4 = 37.85 \text{ t} \quad 20 \text{ t}$$

20t

37.85t

$$37.85 \div 20 = 1.9 \quad 1.9 \quad 1$$

2

1.0

500

$$R = 1.0 \times (2 \times 37.85 / 20) = 3.785 \quad 10 \quad R \quad 10$$

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6-5

		R			
		10			

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DCS

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SI S. 3

25ppm

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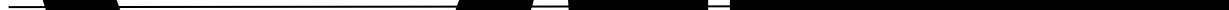
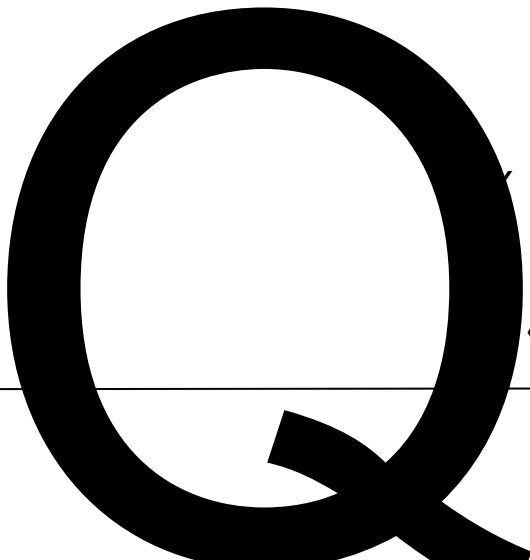
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AQ3035- 2010

AQ3036- 2010

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14		4.7.7.3		
15		4.7.13		
16	a b c	4.8.2		
17	7d 1 7d 30d	4.9.5	90 1	
18	7d	4.9.11		

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Ex-d

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28		10.1	CCTV	
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30		12.3.4		

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AQ3036-2010

GB/T29639- 2020

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