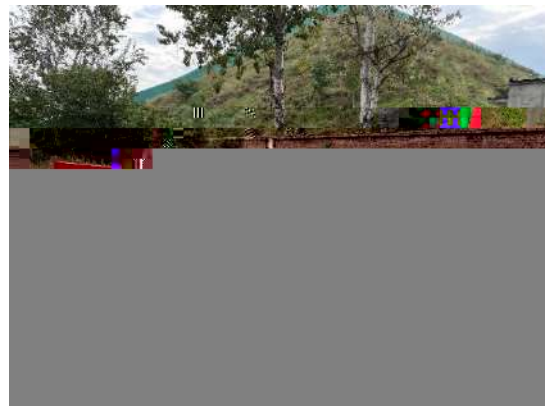
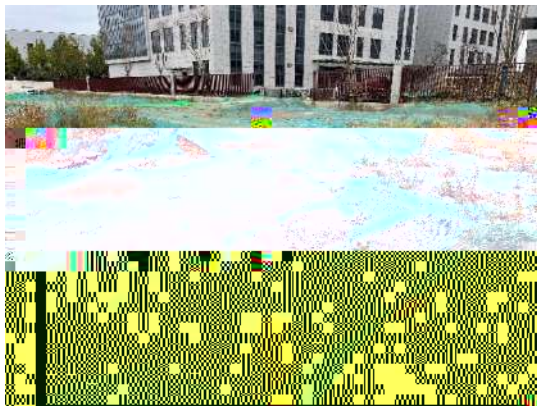
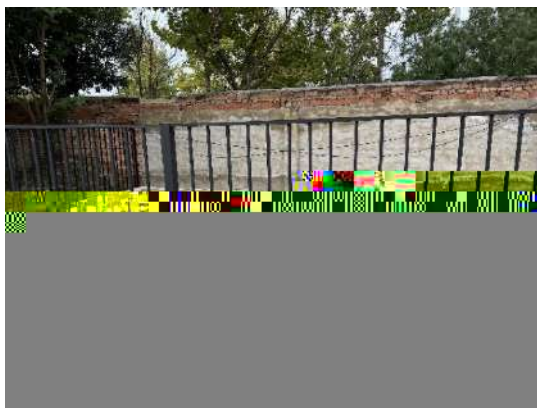
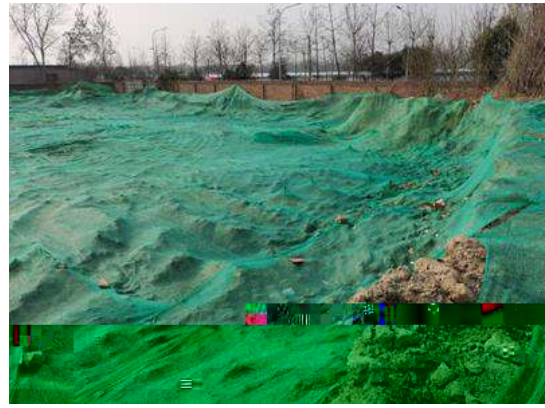
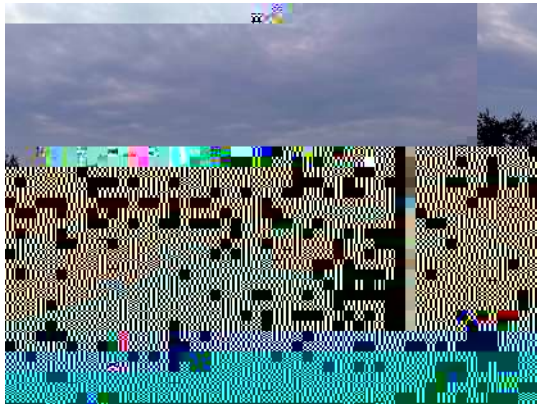


○

			陈峰
			雷春峰
			李树林



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97	1
98	1
99	1
100	1

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1.1.1.1

1.1.1.2

32000 19000
8000 1000 4000 6000
IPO

1.1.2

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2020 3 10
2020-610162-41-03-006666
2020 8 12 2020
0248914
2021 2 4
610112202130047JK
2021 9

1.1.3

C O S C S

1.3

1.3.1

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1.3.2

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4

1.63hm²

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1.3.3

1.4

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1.6

1.6.1

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1.6.2

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	1.63		43415m ²		
	32000				19000

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2.1.1

2.1.2

2.1.3

2.1.4

2.2

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3.1

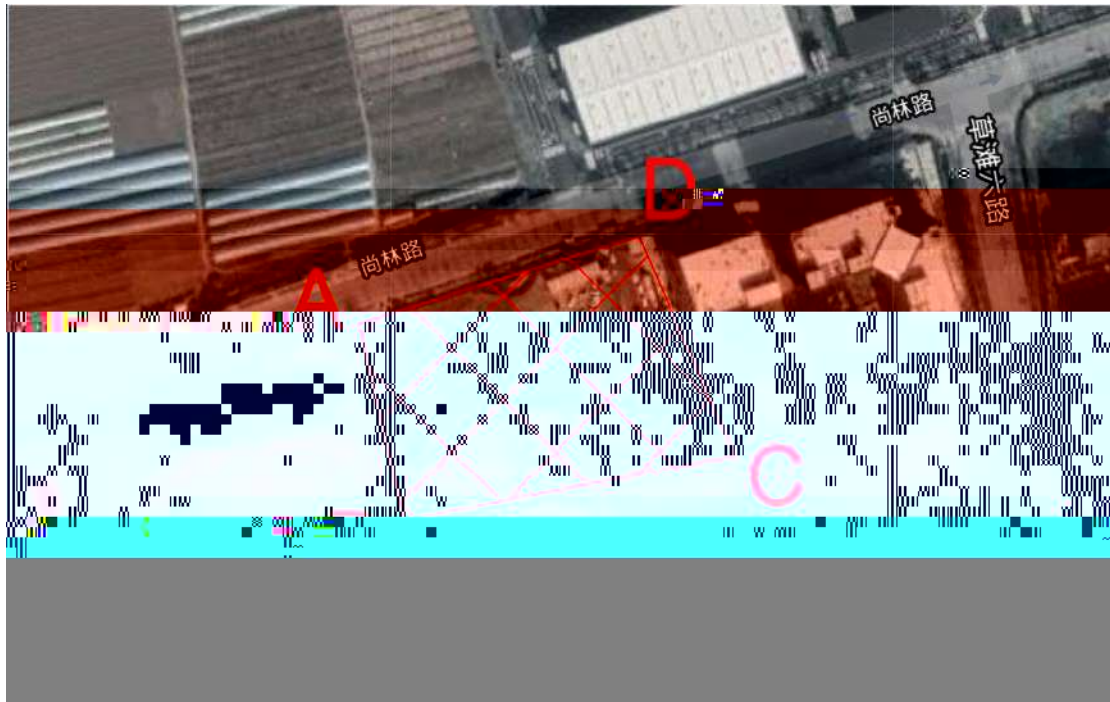
3.1.1

" "

○ ○

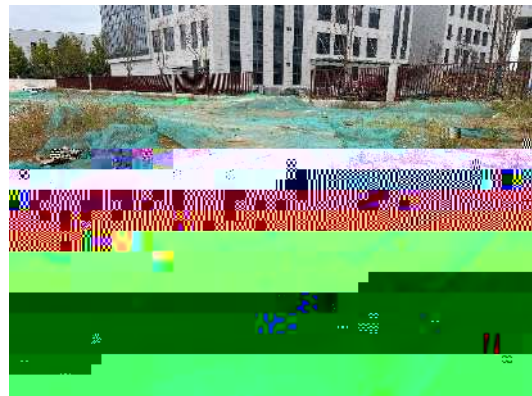
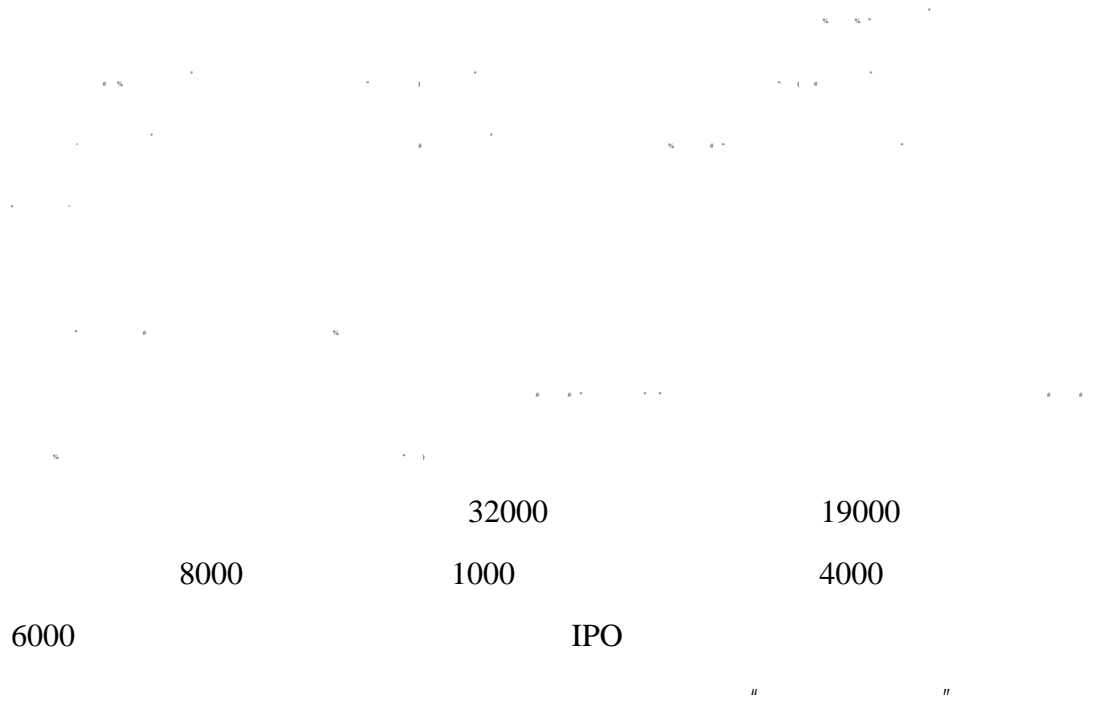
3.1-1

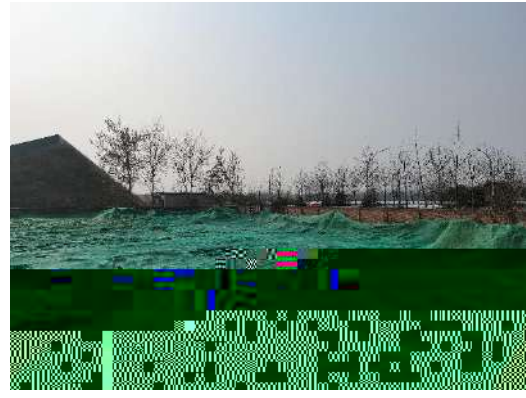
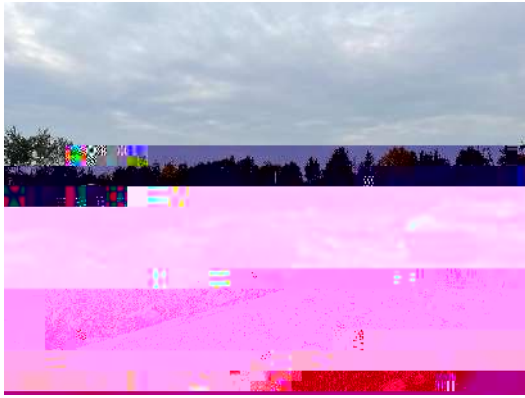
2021 3



3.1-1

	A	108°52 37.31	34°22 37.76
	B	108°52 38.34	34°22 34.14
	C	108°52 44.31	34°22 35.12
	D	108°52 42.73	34°22 39.23





3.1.2

3.1.2.1

“ ”

“ ”

3.1-2

1

3.1-3

1#		7207	23.7	5	1338	7202	
2#		10722	23.7	5	2337	10722	
3#		7207	23.7	5	1338	7240	
4#		2641	21.6	5	522	2641	
5#		4521	21.6	5	1138	4521	
		137		1	137	137	
	+	+					
		10980		-1			
		43415			6537	32435	

2

3

3.1.2.2

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2

3.1.2.3

3.1.2.4

3.1.2.5

3.1.2.6

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3.2.2

3.2.3

3.2.4

2

3.2.5

3.2.6

3.2.7

4

3.3

3.3-1

3.4

3.4.1

1

2

3

4

3.4.2

3.4.2.1

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2

3

3.4.2.2

1

2

3

3.4.2.3

3.4.2.4

3.4.2.5

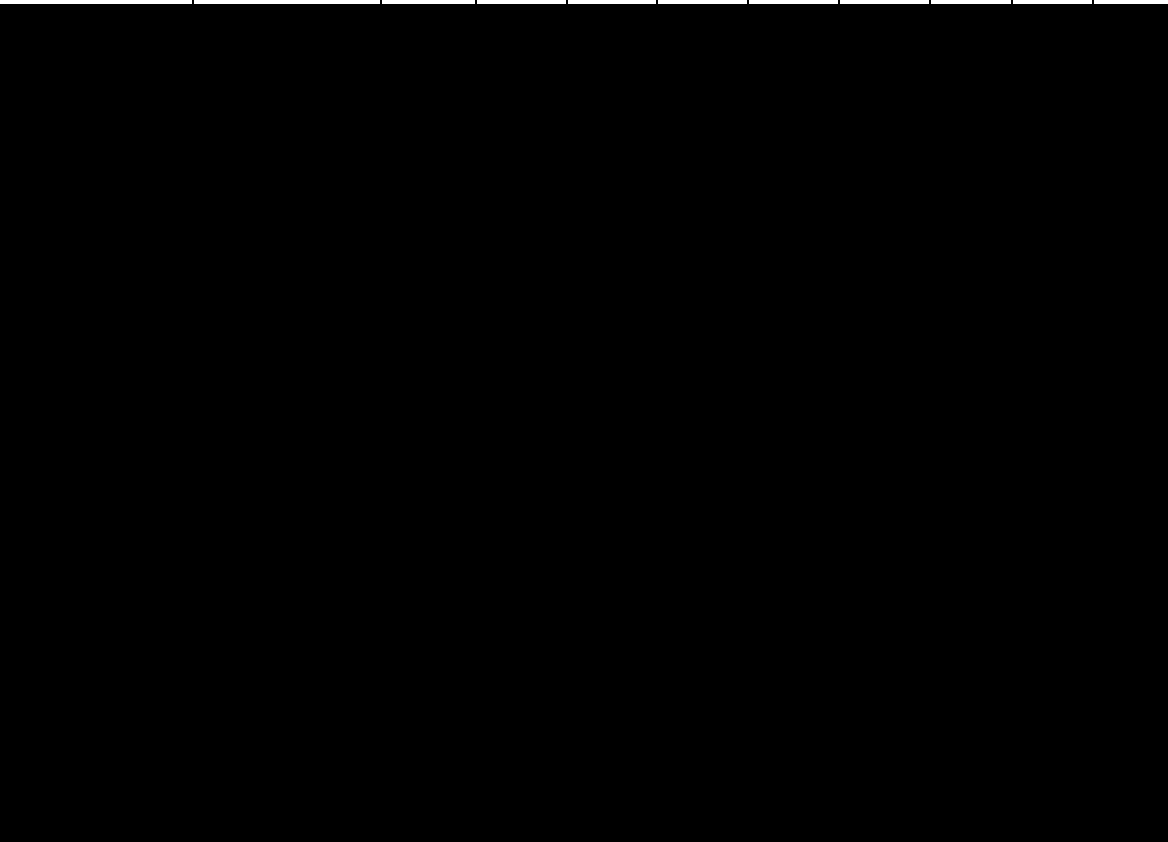
3.4.3

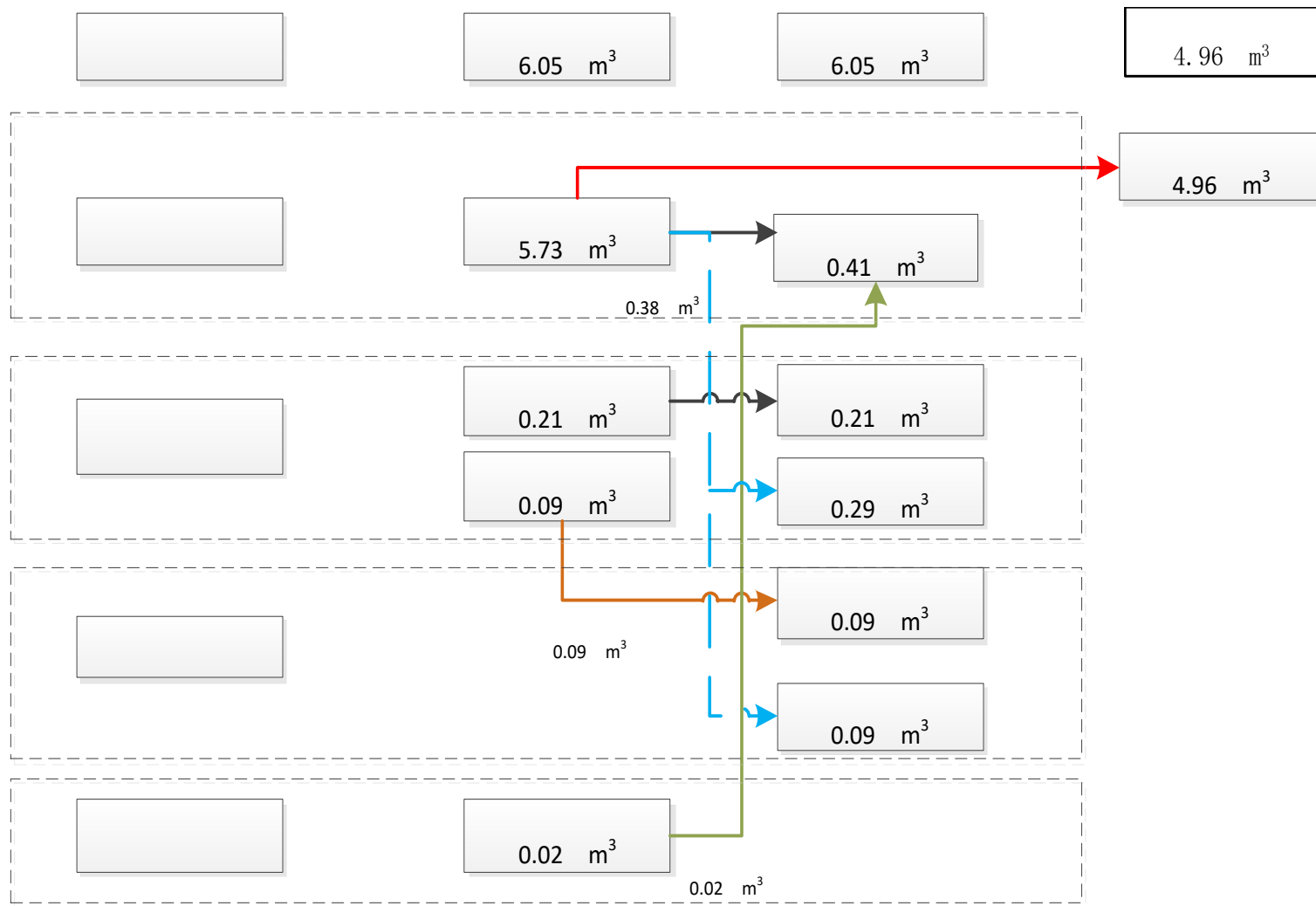
3.4-1

	hm)	m	m	m	m

3.4-2

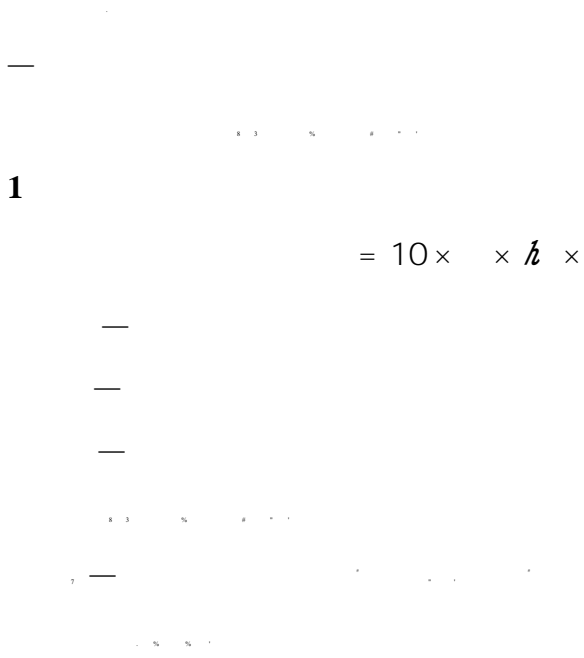
m³





3.4-1

3.5

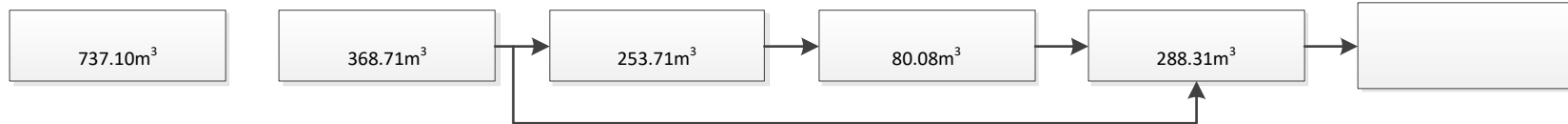


$$= 10000 \times h \times$$

5

6

3.5-2



3.5-1

3.7

3.7.1

3.7.1.1

3.7.1.2

3.7.2

3.7.3

3.7.4

3.7.5

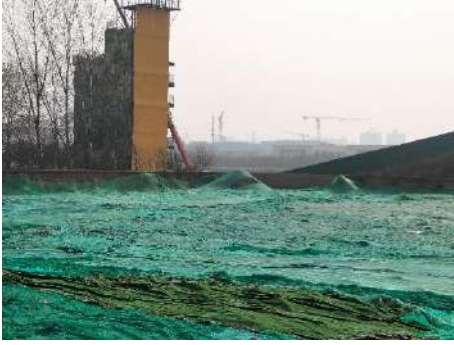
3.7.6

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2

2.

2



3.7.7

3.8

3

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3.9

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4

4.1

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4.1.1

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4.1-1

4.1.2

GB50433-2018

4.1-2

4.1-2

8 3 5 4 7 1

8 3 5 4 7 1

4.2

4.2.1

" "

x 3 N x 7)

x 3 x 5

*

1 1 1

4.2.2

4.2.4

30cm

0.32hm²

0.09 m³

4.2.5

4.2.6

4.2.7

4.2.8

4.3

4.3.1

4.4

4.4.1

4.4.2

.....

"

"

1

2

1

2

3

4

0.09 m³

30cm

5

3

2

3

4.4-1

4.4.3

4.4-2

5

5.1

5.2

5.2.1

5.2.2

5.2-1

		hm²	

5.3**5.3.1****5.3.2****5.3.2.1**

1

5.3-1

1	%		93					93
2			0.8			+0.2		1.0
3	%	90	92		+2		92	94
4	%	90	90				/	/
4	%		95					95
5	%		22		+2			24

5.3.2.2

8 3 1 5 5 4 7 3

5 3 1 1 7 5 4 4

5.3-2

5.3.2.3

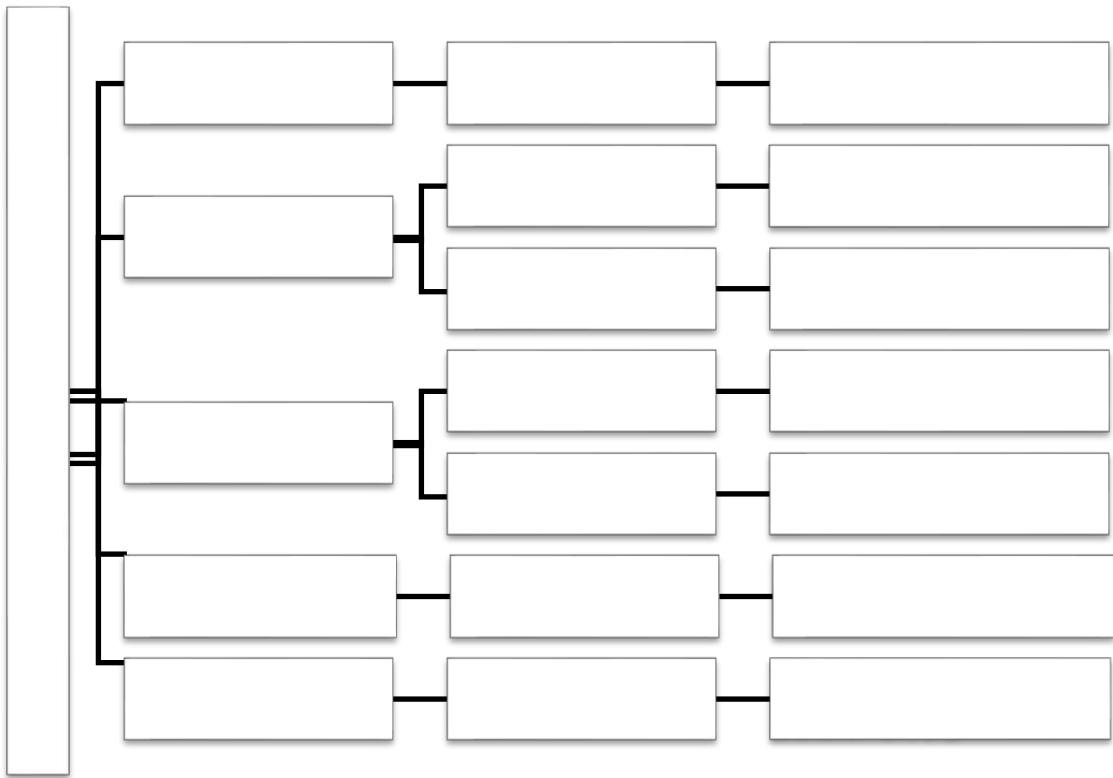
4 1 3 4 5

0.40

0.55

5.3-3

5.4



5.4-1

5.5

5.5.1

5.5.1.1

1

2

3

5.5.1.2

1

2

0.23hm²

5.5.2

5.5.2.1

1

0.23hm²

14.2%

5.5-1

			m	m	cm		
	1		5.0-5.5	2.0-2.5	12		
	2		3.0-3.5	2.0-2.5	8-12		
	3		5.0-5.5	3.0-3.5	12		
	7		2.0-2.5	3.0-3.5	12		
	1		5.5-6.0	3.0-3.5	10-12		
	9		2.0-2.5	2.0-2.5	10		
	3		2.0-2.5	1.2			

5.5.3

5.5.3.1

1

5.5.3.2

1

2

3

5.5.3.3

1

5.5.3.4

1

5.5.3.5

1

420m²

2

0.04hm²30kg/hm²

1.2kg

3

0.3m

0.8m

1.2m

111m

66.6m³

4

30cm

30cm

1:0.5

50m

5

1.0m

1.0m

3.0m

1:1

1

5.5.4

5.5-2

1		m ³	0.09	
2		m	716	
3		m ²	5196	
1		m ³	0.09	
2		hm ²	0.23	
1		hm ²	0.23	
1		m ²	6600	
1		m ²	7420	
			2	
			1	
1		m ²	2330	
1				
1		m ²		
2		hm ²		
3		m		
4				
5				

5.6

5.6.1

5.6.2

5.7

5.7.1

5.7.1.1

1

2

3

4

24h

2~3

5.7.1.2

1

" "

2

3

4

5.7.1.3

1

2

— — —

3

 $1/3$

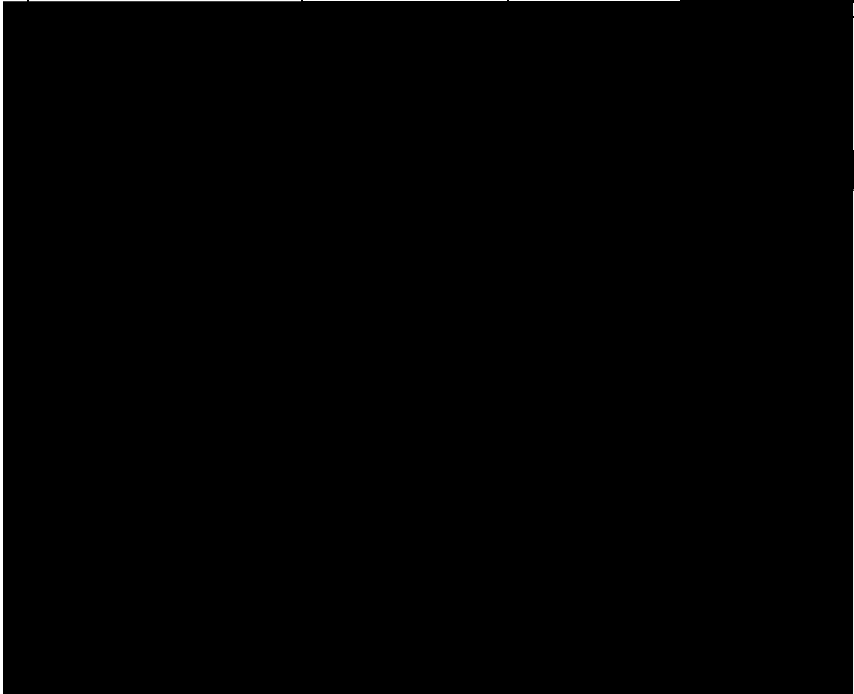
4

3

5.7.2

5.6-1

		2021	2022			2023		



6

6.1

6.1.1

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6.1.2

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6.2

6.3

6.3.1

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4 2 3

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6.3-1

6.3.2

6.4

6.5

6.5.1

6.5.2

6.5-1

6.5.3

" "

" "

7

7.1

7.1.1

7.1.2

7.1.3

7.1.4

7.1-1

			%

7.2

.....

.....

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7.2.1

7.2-1

7.2-3

1		3.22
2		12.00
3		14.88
4		8.00
5		8.00
		46.10

7.2-4

7.2-6

																														(/)	13.75	(/kg)	9.89	(/kg)	8.20	(/kw.h)	1.00	(/m ³)
									2.40					10.60																								
									1.30					5.00																								
									2.70					10.70																								
									1.30					8.80																								

7.2-7

				()	()	()	()
1		32.5 [#]	t	420.00	8.40	9.85	438.25
2		92 [#]	kg	9.89			9.89
3		0 [#]	kg	8.20			8.20
4			m ³	160.00	3.20	3.75	166.95
5			m ³	155.00	3.10	3.64	161.74
6			m ³	110.00	2.20	2.58	114.78
7			m ³	220.00	4.40	5.16	229.56
8			t	4585.00	91.70	107.56	4784.26
9			m ³	4.00			4.00
10			kw·h	1.00			1.00
11			m ³	0.27			0.27
12		200×100×60	m ³	750.00	15.00	17.60	782.60
13				0.70	0.01	0.02	0.73
14			m ²	2.00	0.04	0.05	2.09
15			m ²	18.00	0.36	0.42	18.78
16			kg	25.00	0.50	0.59	26.09
17			m ³	1750.00	35.00	41.06	1826.06
18			kg	5.00	0.10	0.12	5.22
19			kg	7.00	0.14	0.16	7.30
20			m ³	105.00	2.10	2.46	109.56
21			m ²	75	1.50	1.76	78.26

7.3

7.3.1

7

TM

7.3-1

	hm ²	hm ²			%
				= +	

7.3-2

	hm ²	hm ²	hm ²	%	%
		0.16	0.23	100.00%	
		0.16	0.23	100.00%	14.11%

$$\eta = \sum_{i=1}^n S_i \psi_i$$

η ψ_i **7.3-3**

7.3.2

7.3-4

%		99.38	
		1.0	
%		99	
%	/	/	/
%		100	
%		13.96	
%		13.96	
%		68.00	
		0.55	
%		91.92	
%	30	99	

7.3.3

8

8.1

8.1.1

8.1.2

8.1.3

8.2

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8.3

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" "

8.4

" "

8.5

8.6

" "

8.7

8.7.1

8.7.2

8.7.3

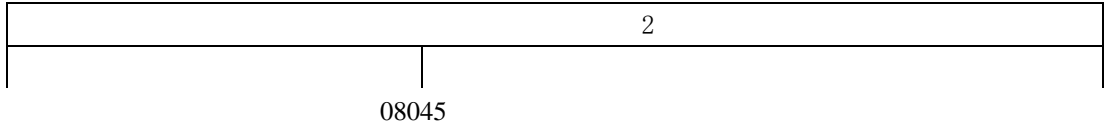
8.7.4

.....

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1

1					
01093					100m ³
					692.70
()					641.39
1					67.38
			4.90	13.75	67.38
2					8.09
		%	11.00	73.50	8.09
3					565.92
	74kw		3.57	158.52	565.92
()		%	3.00	641.39	19.24
()		%	5.00	641.39	32.07
		%	5.00	692.70	34.64
		%	7.00	727.34	50.91
		%	9.00	778.25	70.04
		%	10.00	848.29	84.83
					933.12



4					
P101-03053					100m ³
					19883.44
()					18410.59
1			1162	13.75	15977.50
2					2433.09
			3300	0.73	2409.00
		%	1	2409.00	24.09
3					
		%	3.00	18410.59	552.32
		%	5.00	18410.59	920.53
		%	5.00	19883.44	994.17
		%	7.00	20877.61	1461.43
		%	9.00	22339.04	2010.51
		%	10.00	24349.55	2434.96
					26784.51

5					
P101-03054					100m ³
					2494.80
()					2310.00
1			168	13.75	2310.00
2					
3					
		%	3.00	2310.00	69.30
		%	5.00	2310.00	115.50
		%	5.00	2494.80	124.74
		%	7.00	2619.54	183.37
		%	9.00	2802.91	252.26
		%	10.00	3055.17	305.52
					3360.69

6		
P ₃₇ -01193		100m ³

8					
P87-03003					100m ²
					2473.54
()					2290.31
1			16.00	13.75	220.00
2					2070.31
		m ²	106.00	18.78	1990.68
		%	4.00	1990.68	79.63
3					
		%	3.00	2290.31	68.71
		%	5.00	2290.31	114.52
		%	4.40	2473.54	108.84
		%	7.00	2582.38	180.77
		%	9.00	2763.15	248.68
		%	10.00	3011.83	301.18
					3313.01

9					
3040					100m ³
					2069.83
					1916.50
1					245.44
			17.85	13.75	245.44
2					1508.50
			12.5	120.68	1508.50
3					408.00
		m ³	100	4.00	400.00
		%	2	400.00	8.00
		%	3.00	1916.50	57.50
		%	5.00	1916.50	95.83
		%	4.40	2069.83	91.07
		%	7.00	2160.90	151.26
		%	9.00	2312.16	208.09
		%	10.00	2520.25	252.03
					2772.28