

1. **Introduction**

The purpose of this report is to provide a detailed analysis of the data collected during the experiment. The data was collected from a series of experiments conducted over a period of six weeks. The experiments were designed to investigate the effect of temperature on the rate of reaction between hydrogen peroxide and potassium iodide.

The following table shows the results of the experiments:

Experiment No.	Temperature (°C)	Time taken for reaction to complete (s)
1	20	120
2	30	80
3	40	60
4	50	45
5	60	35
6	70	25

The data shows that the rate of reaction increases as the temperature increases. This is expected, as the rate of reaction is directly proportional to the temperature. The data also shows that the rate of reaction is highest at 70°C and lowest at 20°C.

The following graph shows the relationship between the rate of reaction and the temperature:

The graph shows that the rate of reaction increases as the temperature increases. The curve is steeper at higher temperatures, indicating that the rate of reaction increases more rapidly at higher temperatures.

The following table shows the calculated values for the rate of reaction:

Experiment No.	Temperature (°C)	Rate of reaction (s⁻¹)
1	20	0.0083
2	30	0.0125
3	40	0.0167
4	50	0.0222
5	60	0.0286
6	70	0.0385

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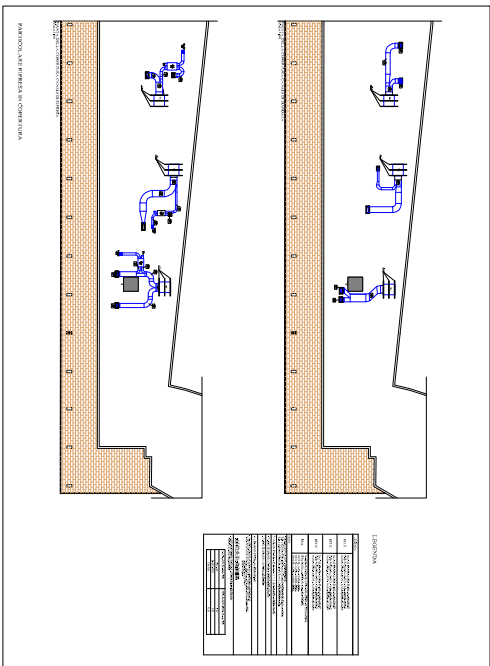
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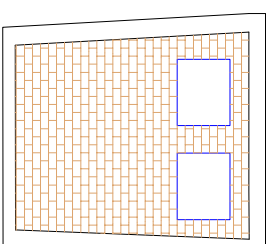
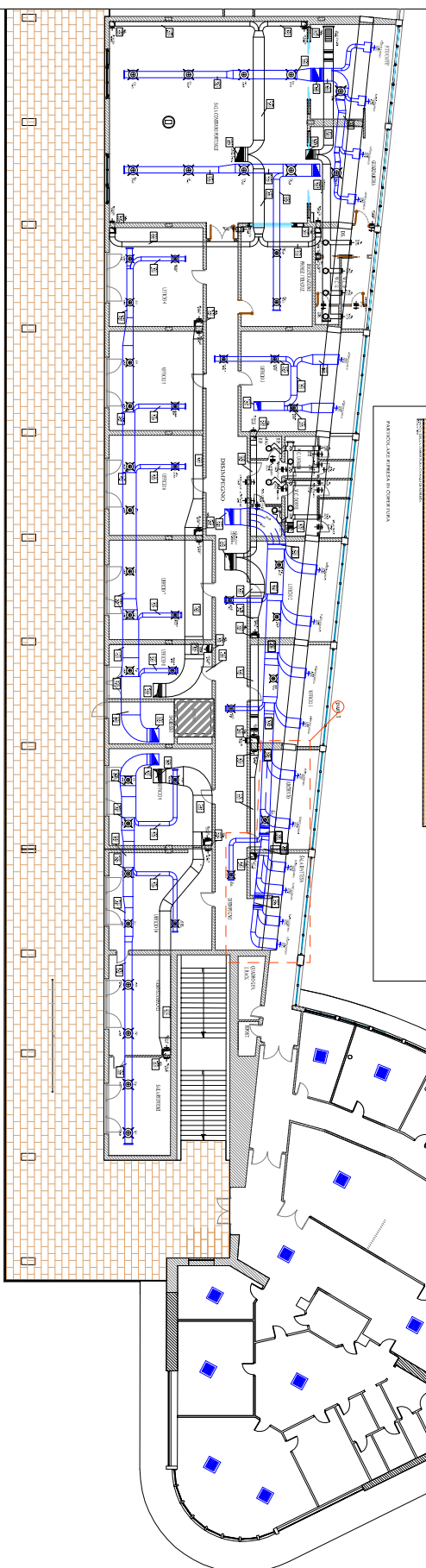
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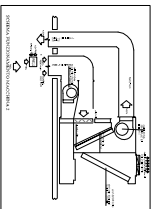
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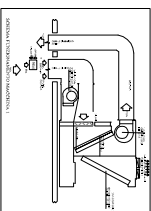
001	1. 姓名: 张三	2. 性别: 男	3. 年龄: 25	4. 职业: 教师	5. 籍贯: 广东	6. 民族: 汉族	7. 宗教信仰: 无	8. 政治面貌: 中共党员	9. 婚姻状况: 已婚	10. 子女情况: 1子1女	11. 健康状况: 良好	12. 兴趣爱好: 阅读、运动	13. 特长: 写作	14. 其他: 无
002	1. 姓名: 李四	2. 性别: 女	3. 年龄: 30	4. 职业: 医生	5. 籍贯: 北京	6. 民族: 汉族	7. 宗教信仰: 无	8. 政治面貌: 民主党派	9. 婚姻状况: 未婚	10. 子女情况: 无	11. 健康状况: 良好	12. 兴趣爱好: 音乐、旅游	13. 特长: 钢琴	14. 其他: 无
003	1. 姓名: 王五	2. 性别: 男	3. 年龄: 45	4. 职业: 工程师	5. 籍贯: 上海	6. 民族: 汉族	7. 宗教信仰: 无	8. 政治面貌: 无党派	9. 婚姻状况: 已婚	10. 子女情况: 2子	11. 健康状况: 良好	12. 兴趣爱好: 钓鱼、下棋	13. 特长: 编程	14. 其他: 无
004	1. 姓名: 赵六	2. 性别: 女	3. 年龄: 55	4. 职业: 退休	5. 籍贯: 山东	6. 民族: 汉族	7. 宗教信仰: 佛教	8. 政治面貌: 无党派	9. 婚姻状况: 已婚	10. 子女情况: 3子	11. 健康状况: 一般	12. 兴趣爱好: 园艺、书法	13. 特长: 国画	14. 其他: 无
005	1. 姓名: 孙七	2. 性别: 男	3. 年龄: 60	4. 职业: 退休	5. 籍贯: 湖南	6. 民族: 汉族	7. 宗教信仰: 无	8. 政治面貌: 无党派	9. 婚姻状况: 已婚	10. 子女情况: 2子	11. 健康状况: 一般	12. 兴趣爱好: 散步、喝茶	13. 特长: 茶艺	14. 其他: 无



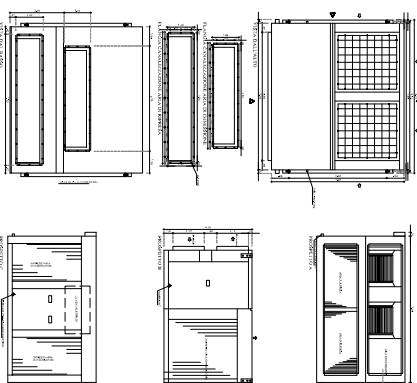
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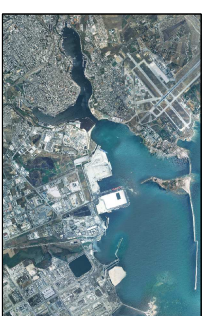
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1100 MONITORING DATA FOR 11 MONITORING POINTS		
CHLORIDE	CL ⁻	1000
SULFATE	SO ₄ ²⁻	100
CALCIUM	Ca ²⁺	100
MAGNESIUM	Mg ²⁺	100
TOTAL HARDNESS		



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