Pursuant to Court's Instructions the Record on Appeal in this matter was condensed. Pages were not renumbered, therefore it appears there are missing pages, however, counsel has confirmed all pertinent information is included in the condensed record.

THE STATE OF SOUTH CAROLINA
In The Supreme Court

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APPEAL FROM LEE COUNTY
Court of Common Pleas

Thomas W. Cooper, Jr., Circuit Court Judge

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Case No. 93-CP-31-169

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Abbeville County School District, Allendale County School District, Bamberg County School District 1, Bamberg County School District 2, Barnwell County School District 19, Barnwell County School District 29, Barnwell County School District 45, Berkeley County School District, Chesterfield County School District, Clarendon County School District 1, Clarendon County School District 2, Clarendon County School District 3, Dillon County School District 1, Dillon County School District 2, Dillon County School District 3, Florence County School District 1, Florence County School District 2, Florence County School District 3, Florence County School District 4, Florence County School District 5, Hampton County School District 1, Hampton County School District 2, Jasper County School District, Laurens County School District 55, Laurens County School District 56, Lee County School District, Lexington County School District 4, Marion County School District 1, Marion County School District 2, Marion County School District 7, Marlboro County School District, McCormick County School District, Orangeburg Consolidated School District 3, Orangeburg Consolidated School District 5, Saluda County School District and Williamsburg County School District; *(caption continued on second page)*

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**RECORD ON APPEAL (CONDENSED),**
**VOL. XII OF XXVIII**

Lena Manning, individually, and as a taxpayer residing in Allendale County and as Guardian ad Litem of
Courtney V.; Courtney V., a minor, by and through Lena Manning, as Guardian ad Litem; William L. Mills, individually, and as a Taxpayer residing in Allendale County and as Guardian ad Litem of Waylon P.; Waylon P., a minor, by and through William Mills,
as Guardian ad Litem; Betty Bagley, individually, and as a taxpayer residing in Bamberg County and as a parent and Guardian ad Litem of Tyler B.; Tyler B., a minor, by and through Betty Bagley, as Guardian ad Litem, Evert Comer, Jr., individually, and as a taxpayer residing in Bamberg County and as parent and Guardian ad Litem of Kimberly C.; Kimberly C., a minor, by and through Evert Comer, Jr., as Guardian ad Litem; Marla Q. Jameson, individually, and as a taxpayer residing in Barnwell County, and as a parent and Guardian ad Litem of Eleanor J.; Eleanor J., a minor, by and through Marla Q. Jameson, as Guardian ad Litem; Victor M. Lancaster, Sr., individually, and as a taxpayer residing in Barnwell County, and as parent and Guardian ad Litem of Christie L.; Christie L., a minor, by and through Victor M. Lancaster, Sr., as Guardian ad Litem; Dr. Charles Clark, individually, and as a taxpayer residing in Chesterfield County, and as parent and Guardian ad Litem of Candace C., a minor, by and through Dr. Charles Clark, as Guardian
ad Litem; Colonel Larry Coker, individually, and as a taxpayer residing in Clarendon County, and as a parent and Guardian ad Litem of Corrie C.; Corrie C., a minor, by and through Colonel Larry Coker, as Guardian ad Litem; Pamela Williams, individually, and as a taxpayer residing in Dillon County, and as parent and Guardian ad Litem of Katisha W.; Kathisha W., a minor, by and through Pamela Williams as Guardian ad Litem; Eddie Wright, individually, and as a taxpayer residing in Florence County, and as parent and Guardian ad Litem of Brandon F.; Brandon F., a minor, by and through Eddie Wright as Guardian ad Litem; John Whiteside, individually, and as a

taxpayer residing in Florence County and as Parent and Guardian ad Litem of Joel W.; Joel W., a minor, by and through John Whiteside as Guardian ad Litem; Dr. Francis Mills, individually, and as a taxpayer residing in Hampton County and as a parent and Guardian ad Litem of Amy M.; Amy M., a minor, by and through Dr. Francis Mills, as Guardian ad Litem; Brenda Brooks, individually, and as a taxpayer residing in Hampton County, and as parent and Guardian ad Litem of Tyrin B.; Tyrin B., a minor, by and through Brenda
Brooks as Guardian ad Litem; Marva Tigner, individually, and as a taxpayer residing in Jasper County, and as parent and Guardian ad Litem of Bryan T. and Bradley T.; Bryan T., a minor, by and through
Marva Tigner as Guardian ad Litem; Bradley T., a minor, by and through Marva Tigner as Guardian ad Litem; Robert Elisha Short, individually, and as a taxpayer residing in Laurens County and as parent and Guardian ad Litem of Robert B. S.; Robert B. S.,
a minor, by and through Robert Elisha Short, as Guardian ad Litem; Dr. Keith A. Bridges, individually, and as a taxpayer residing in Laurens County and as parent and Guardian ad Litem of Jorgana Ranson B.; Jorgana Ranson B., a minor, by and through Dr. Keith A. Bridges, as Guardian ad Litem; Gail Y. Harriott, individually, and as a taxpayer residing in Lee County and as parent and Guardian ad Litem of Rashade H.; Rashade H., a minor, by and through Gail Y. Harriott, as Guardian ad Litem; Linda Carraway, individually, and as a taxpayer residing in Marion County, and as parent and Guardian ad Litem of Kimberly W.; Kimberly W., a minor, by and through Linda Carraway as Guardian ad Litem; Dr. John Nobles, individually, and as a taxpayer residing in Marlboro County and as parent and Guardian ad Litem of Erin N.; Erin N., a minor, by and through Dr. John Nobles, as Guardian ad Litem; Patricia Hampton, individually, and as a taxpayer residing in McCormick County and as parent and Guardian ad Litem of Krystle H.;

Krystle H., a minor, by and through Patricia Hampton, as Guardian ad Litem; Bernice Profit, individually, as a taxpayer residing in Orangeburg County and as parent and Guardian ad Litem of Russell H.; Russell H., a minor, by and through Bernice Profit, as Guardian ad Litem; Matlin P. Brown, individually, and as a taxpayer residing in Orangeburg County and as parent and Guardian ad Litem of Tanisha P. B.; Tanisha P. B., a minor, by and through Matlin P. Brown, as Guardian ad Litem; James Berry, individually, and as a taxpayer residing in Orangeburg County and as parent and Guardian ad Litem of Dondrea B.; Dondrea B., a minor, by and through James Berry, as Guardian ad Litem; Gerald Smith, individually, and as a taxpayer residing in Orangeburg County and as parent and Guardian ad Litem of Brenda S.; Brenda S., a minor, by and through Gerald Smith, as Guardian ad Litem; Thomas Shealy, individually, and as a taxpayer residing in Saluda County and as parent and Guardian ad Litem of Thomas S., Jr.; Thomas S., Jr., a minor, by and through Thomas Shealy, as Guardian ad Litem,

Of whom:

Allendale County School District,
Dillon County School District 2,
Florence County School District 4,
Hampton County School District 2,
Jasper County School District,
Lee County School District,
Marion County School District 7,
Orangeburg School District 3,
Lena Manning, individually, and as a taxpayer residing in Allendale County and as Guardian ad Litem of Courtney V.; Courtney V., a minor, by and through Lena Manning, as Guardian ad Litem; Pamela Williams, individually, and as a taxpayer residing in Dillon County, and as parent and Guardian ad Litem of Katisha W.; Katisha W., a minor, by and through Pamela Williams as

Plaintiffs,

Guardian ad Litem; Eddie Wright, individually, and as a taxpayer residing in Florence County, and as parent and Guardian ad Litem of Brandon F.; Brandon F., a minor, by and through Eddie Wright as Guardian ad Litem; Brenda Brooks, individually, and as a taxpayer residing in Hampton County, and as parent and Guardian ad Litem of Tyrin B.; Tyrin B., a minor, by and through Brenda Brooks as Guardian ad Litem; Marva Tigner, individually, and as a taxpayer residing in Jasper County, and as parent and Guardian ad Litem of Bryan T. and Bradley T.; Bryan T., a minor, by and through Marva Tigner as Guardian ad Litem; Bradley T., a minor, by and through Marva Tigner as Guardian ad Litem; Gail Y. Harriott, individually, and as a taxpayer residing in Lee County and as parent and Guardian ad Litem of Rashade H.; Rashade H., a minor, by and through Gail Y. Harriott, as Guardian ad Litem; Linda Carraway, individually, and as a taxpayer residing in Marion County, and as parent and Guardian ad Litem of Kimberly W.; Kimberly W., a minor, by and through Linda Carraway as Guardian ad Litem; Bernice Profit, individually, and as a taxpayer residing in Orangeburg County and as parent and Guardian ad Litem of Russell H.; Russell H., a minor, by and through Bernice Profit, as Guardian ad Litem, are .....

Appellants-Respondents,

v.

Glenn F. McConnell, as President *Pro Tempore* of the Senate and as a representative of the South Carolina Senate; Robert W. Harrell, Jr., as Speaker of the House of Representatives and as a representative of the South Carolina House of Representatives,.....

Respondents-Appellants,

and

The State of South Carolina; Mark C. Sanford, as Governor of the State of South Carolina, .....

Respondents.

NELSON MULLINS RILEY & SCARBOROUGH LLP

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Laura Callaway Hart
Shelby K. Leonardi
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**Attorney for the Governor**

## DISTRICT PROFILE

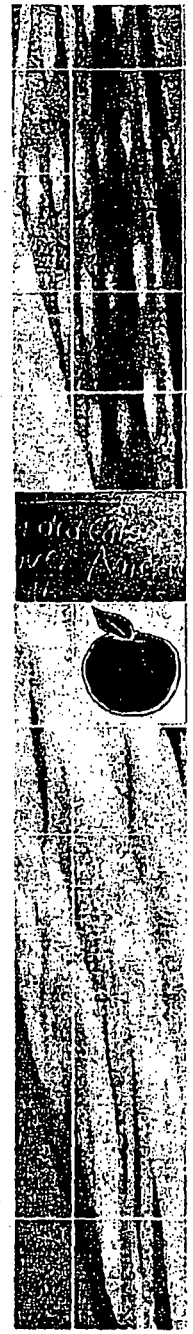
### INDICATORS OF DISTRICT PERFORMANCE

| | This District | Change from Last Year | Districts With Students Like Ours | Median District |
|---|---|---|---|---|
| **DISTRICT** | | | | |
| • Dollars per student | $10,536 | Up 19.0% | $8,031 | $7,072 |
| • Prime instructional time | 89.8% | Up from 87.2% | 87.5% | 89.9% |
| • Student-teacher ratio | 16.7 to 1 | Up from 14.0 to 1 | 17.1 to 1 | 18.6 to 1 |
| • Vacancies for more than nine weeks | 0.0% | Down from 1.8% | 2.0% | 0.4% |
| **STUDENTS** | | | | |
| • Advanced placement/ Int'l baccalaureate program: | | | | |
| Participation Rate | 7.7% | N/A | 4.7% | 9.3% |
| Exam Success Rate | 5.9% | N/A | 5.9% | 52.7% |
| • Attendance Rate | 95.2% | Down from 95.4% | 95.5% | 96.0% |
| • Taking PACT (ELA) off grade level | 14.1% | Up from 11.2% | 11.0% | 7.1% |
| • Taking PACT (Math) off grade level | 10.1% | Up from 7.9% | 8.4% | 5.6% |
| • Retention rate | 10.1% | Down from 15.4% | 8.7% | 5.6% |
| **TEACHERS** | | | | |
| • Professional development days per teacher | 12.3 Days | Up from 6.1Days | 5.0 Days | 5.0 Days |
| • Attendance rate | 96.9% | Up from 94.0% | 95.0% | 95.0% |
| • Advanced Degrees | 34.4% | Up from 29.9% | 34.6% | 46.6% |
| • Continuing contracts | 68.7% | Up from 66.5% | 72.2% | 83.1% |
| • Out-of-field permits | 12.3% | Up from 6.1% | 4.2% | 2.0% |
| • Teachers returning from the previous year | 72.6% | Down from 75.0% | 78.4% | 88.6% |
| • Average salary | $36,136 | Up 8.6% | $36,477 | $39,023 |

## DISTRICT FACTS

| | | | | |
|---|---|---|---|---|
| **DISTRICT** | | | | |
| • Annual dropout rate | 3.3% | Down from 8.5% | 2.7% | 3.1% |
| • Percentage spent on teacher salaries | 48.0% | Up from 47.5% | 49.6% | 53.7% |
| • Superintendent's years in the district | 0.5 | Down from 2.0 | 5.5 | 3.0 |
| • Parent conferences | 99.0% | Up from 81.9% | 86.5% | 93.9% |
| • Opportunities in the arts | Good | Up from Fair | Good | Excellent |
| • Number of schools | 4 | Down from 5 | 4 | 8 |
| • Number of alternative schools | 0 | No change | 0 | 0 |
| • Number of charter schools | 0 | No change | 0 | 0 |
| • Number of magnet schools | 0 | No change | 0 | 0 |
| • Portable classrooms | 9.3% | Up from 4.2% | 9.6% | 6.6% |
| • Attendance rate of district office staff | 98.6% | Up from 94.0% | 95.7% | 96.8% |
| • Average administrative salary | $68,991 | Up 9.5% | $63,087 | $66,570 |
| **STUDENTS** | | | | |
| • Enrollment in adult education GED or diploma programs | 76 | N/A | 62 | 129 |
| • Number of completions in adult education GED or diploma programs | 22 | N/A | 11 | 37 |
| • Suspensions and expulsions | 1.2% | N/A | 1.6% | 1.5% |
| • Percent eligible for state gifted and talented programs | 6.6% | Down from 16.6% | 14.2% | 10.6% |
| • Percentage with disabilities other than speech | 10.0% | Up from 8.9% | 9.2% | 10.7% |

301



0301

Allendale School District
P.O. Box 458
Allendale, SC 29810

Grades K-12
Enrollment: 1,834 Students
Superintendent Paula L. Harris 803-584-4603
Board Chair Artheen Hoover 803-584-3366

## THE STATE OF SOUTH CAROLINA

| Annual District Report Card | 2002 |
|---|---|

### DISTRICT SUPERINTENDENT'S REPORT

Allendale County School District is delighted to provide the following information to the community about our schools, in accordance with the Education Accountability Act (EAA) of 1998. We are proud of our areas of improvement and realize that progress toward a goal is not always a smooth process. Continuous improvement is an ongoing process. While we celebrate our improvements on the PACT, SAT, CSAB and the number of students earning Life Scholarships, we continue to study, monitor, and make improvements in areas of concern. This year we are pleased to have Principal Specialists at Allendale-Fairfax High School, Allendale-Fairfax Middle School, and Allendale Elementary. Allendale County schools have continued to host Teacher Specialist On Site in all of our schools. The Teacher Specialists work directly with our teachers on lesson planning, modeling demonstration lessons and utilizing "best teaching practices" because we are committed to providing a high quality academic program for our students. The district will continue our after school programs to provide academic assistance for our students that are in need of additional help. It is our belief that a strong educational program depends on the collaborative support of the home and community. We are striving to enhance community participation and invite you to take an active role in making our schools a success.

If you have any comments or questions about this report card, please send them to Paula Harris, P.O. Box 458, Allendale, SC 29810. Thank you for your continued support and cooperation.

Sincerely, Paula L. Harris, Superintendent

PLAINTIFF'S EXHIBIT 1321

**South Carolina Performance Goal:**

By 2010, South Carolina's student achievement will be ranked in the top half of the states nationally. To achieve this goal, we must become one of the five fastest improving systems in the country.

For more information, visit
www.myscschools.com or
www. sceoc.org

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## Allendale

**ABSOLUTE RATING:** Below Average
**IMPROVEMENT RATING:** Unsatisfactory

Absolute Ratings of Similar Districts

| Unsatisfactory | Below Average | Average | Good | Excellent |
|---|---|---|---|---|
| 1 | 7 | 0 | 0 | 0 |

**Definitions of District Rating Terms**

**Excellent**- District performance substantially exceeds the standards for progress toward the 2010 SC Performance Goal.

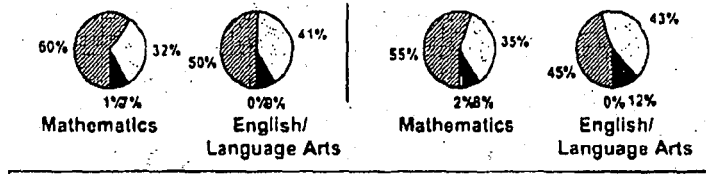
**Good**- District performance exceeds the standards for progress toward the 2010 SC Performance Goal.

**Average**- District performance meets the standards for progress toward the 2010 SC Performance Goal.

**Below Average**- District is in jeopardy of not meeting the standards for progress toward the 2010 SC Performance Goal.

**Unsatisfactory**- District performance fails to meet the standards for progress toward the 2010 SC Performance Goal.

## PALMETTO ACHIEVEMENT CHALLENGE TESTS (PACT) RESULTS




**DEFINITIONS OF CRITICAL TERMS:**

- Advanced – Student performance exceeded expectations.
- Proficient – Student performance met expectations.
- Basic – Student performance met minimum performance expectations.
- Below Basic – Student performance did not meet minimum performance expectations.

## PERFORMANCE BY STUDENT GROUPS

| Student Group | Exit Exam Passage Rate by Spring 2002 N | % | Eligibility for LIFE Scholarships* N | % | Students Scoring Basic or Above on The PACT N | % ELA | % Math |
|---|---|---|---|---|---|---|---|
| **All students** | 89 | 84.3% | 98 | 8.2% | 1839 | 49.3% | 40.5% |
| Students with disabilities other than speech | 1 | I/S | 5 | 0.0% | 67 | 50.7% | 20.9% |
| Students without disabilities | 88 | 84.1% | 93 | 8.6% | 763 | 49.8% | 42.7% |
| **Gender** | | | | | | | |
| Male | 37 | 78.4% | 39 | 0.0% | 419 | 41.3% | 33.2% |
| Female | 52 | 88.5% | 59 | 13.6% | 420 | 57.4% | 47.9% |
| **Ethnic Group** | | | | | | | |
| African American | 83 | 83.1% | 90 | 6.7% | 792 | 48.0% | 38.9% |
| Hispanic | 1 | I/S | 1 | I/S | 11 | 45.5% | 54.5% |
| White | 5 | 100.0% | 7 | 14.3% | 34 | 79.4% | 70.6% |
| Other | N/A | N/A | 0 | N/A | 2 | I/S | I/S |
| **Lunch Status** | | | | | | | |
| Free/reduced-price lunch | 68 | 82.4% | 80 | 0.0% | 738 | 48.8% | 39.7% |
| Pay for lunch | 21 | 90.5% | 18 | 44.4% | 76 | 61.8% | 56.6% |

N equals number of students on which percentages are calculated.
*Using the criteria for students who entered college in fall 2001.

## Allendale

TENTH GRADE PASSAGE OF ONE OR MORE SUBTESTS OF THE EXIT EXAM

First-time Examinees

| | 2000 | 2001 | 2002 |
|---|---|---|---|
| Our district | | | |
| Passed all 3 subtests | 53.5% | 56.7% | 37.1% |
| Passed 2 subtests | 18.2% | 21.7% | 24.2% |
| Passed 1 subtest | 15.2% | 15.0% | 18.9% |
| Passed no subtest | 13.1% | 6.7% | 19.7% |
| Districts with students like ours | | | |
| Passed all 3 subtests | 38.9% | 47.3% | 44.0% |
| Passed 2 subtests | 23.6% | 21.9% | 25.9% |
| Passed 1 subtest | 20.0% | 17.5% | 16.0% |
| Passed no subtest | 17.5% | 13.4% | 14.1% |

**LIFE scholarships at four-year institutions***

| | Eligible | Percent of Seniors Meeting Grade Point Average Requirement | Meeting SAT/ACT Requirement |
|---|---|---|---|
| Our District | 8.2 | 37.8 | 8.2 |
| Districts Like Ours | 3.8 | 26.9 | 4.7 |

*Using the criteria for students who entered college in fall 2001.

**College Admissions Tests:** Tests that are frequently used in the college admissions process.

| | SAT Verbal | | SAT Math | | SAT Total | | ACT English | | ACT Math | | ACT Reading | | ACT Science | | ACT Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| District | 419 | 424 | 411 | 432 | 830 | 856 | 18.6 | 17.8 | 15.9 | 16.7 | 14.9 | 16.1 | 15.3 | 17.0 | 14.9 | 17.1 |
| State | 485 | 488 | 488 | 493 | 974 | 981 | 18.8 | 18.8 | 19.3 | 19.1 | 19.5 | 19.3 | 19.2 | 19.2 | 19.3 | 19.2 |
| Nation | 506 | 504 | 514 | 516 | 1020 | 1020 | 20.5 | 20.2 | 20.7 | 20.6 | 21.3 | 21.1 | 21.0 | 20.8 | 21.0 | 20.8 |

*These tests were administered to samples of students:*

**Terra Nova Test:** A national, norm-referenced achievement test.

Percent scoring in upper half

| | Reading | | Language | | Math | | Total | |
|---|---|---|---|---|---|---|---|---|
| | State | Nation | State | Nation | State | Nation | State | Nation |
| Grade 4 | 47.8 | 50.0 | 43.1 | 50.0 | 58.4 | 50.0 | 50.6 | 50.0 |
| Grade 7 | 45.8 | 50.0 | 59.4 | 50.0 | 54.7 | 50.0 | 53.9 | 50.0 |
| Grade 10 | 59.6 | 50.0 | 59.5 | 50.0 | 62.4 | 50.0 | 59.1 | 50.0 |

**National Assessment of Education Progress :** A national, criterion-referenced achievement test.

Percents of Students

| Test | Grade | Year | Advanced State | Advanced Nation | Proficient State | Proficient Nation | Basic State | Basic Nation | Below Basic State | Below Basic Nation |
|---|---|---|---|---|---|---|---|---|---|---|
| Reading | 4 | 1998 | 4 | 6 | 18 | 23 | 33 | 32 | 45 | 39 |
| Writing | 8 | 1998 | 0 | 1 | 15 | 23 | 64 | 59 | 21 | 17 |
| Mathematics | 4 | 2000 | 2 | 3 | 16 | 23 | 42 | 43 | 40 | 31 |

ABBREVIATIONS FOR MISSING DATA
N/A – Not Applicable
N/C – Not Collected
N/R – Not Reported
I/S – Insufficient Sample

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PLT_1321-0002

PLAINTIFF'S EXHIBIT 1343

**Florence 4 district and schools report cards**

• MAIN MENU

| District name | Absolute Rating | Improvement Rating |
|---|---|---|
| Florence 4 District | Unsatisfactory | Average |

| Elementary school name | Composite Rating | Absolute Rating | Improvement Rating |
|---|---|---|---|
| Brockington Elem. | Unsatisfactory | Below Average | Unsatisfactory |

| Middle school name | Composite Rating | Absolute Rating | Improvement Rating |
|---|---|---|---|
| Timmonsville Middle | Unsatisfactory | Unsatisfactory | Below Average |

| High school name | Composite Rating | Absolute Rating | Improvement Rating |
|---|---|---|---|
| Timmonsville Comprehensive Hig | Good | Below Average | Excellent |

Exhibit 7
(Florence 4- Harrison)

PLAINTIFF'S EXHIBIT 1343

**Florence 4 district and schools report cards**

• MAIN MENU

| District name | Absolute Rating | Improvement Rating |
|---|---|---|
| Florence 4 District | Unsatisfactory | Average |

| Elementary school name | Composite Rating | Absolute Rating | Improvement Rating |
|---|---|---|---|
| Brockington Elem. | Unsatisfactory | Below Average | Unsatisfactory |

| Middle school name | Composite Rating | Absolute Rating | Improvement Rating |
|---|---|---|---|
| Timmonsville Middle | Unsatisfactory | Unsatisfactory | Below Average |

| High school name | Composite Rating | Absolute Rating | Improvement Rating |
|---|---|---|---|
| Timmonsville Comprehensive Hig | Good | Below Average | Excellent |

Exhibit 7
(Florence 4- Harrison)

**Florence 4 School District**
220 N. Pinckney Street Timmonsville, SC 29161
Superintendent: Valerie E. Harrison
Phone: 843-346-5391
Board chair: Levern Edwards, Jr.
Phone: 843-346-2975
Grades: K-12
Enrollment: 1,097
Teachers: 81
Number of schools: 3

• Student information
• Teacher information
• MAIN MENU

**Florence 4's report card scores**

| Performance | Improvement |
|---|---|
| Unsatisfactory | Average |

There are 12 districts with students similar to Florence 4.
The performance ratings for those 12 districts ranged from a low of Unsatisfactory to a high of Average.
The improvement ratings for those 12 districts ranged from a low of Below average to a high of Good.

**How students at Florence 4 performed on Palmetto Achievement Challenge Tests**

| Test | Below basic | Basic | Proficient | Advanced |
|---|---|---|---|---|
| English/Language Arts | 57.6% | 30.8% | 11.6% | 0.0% |
| Mathematics | 63.4% | 29.1% | 6.6% | 0.9% |

**How students at 12 similar districts performed on Palmetto Achievement Challenge Tests**

| Test | Below basic | Basic | Proficient | Advanced |
|---|---|---|---|---|
| English/Language Arts | 46.7% | 38.8% | 14.0% | 0.6% |
| Mathematics | 57.2% | 32.0% | 7.7% | 3.0% |

**Percent of students scoring basic or above on the PACT**

| Student Group | Number tested | English/ Language Arts | | Mathematics | |
|---|---|---|---|---|---|
| All students | 467 | 42.4% | [redacted] | 36.6% | [redacted] |
| Female students | 243 | 50.2% | [redacted] | 39.1% | [redacted] |
| Male students | 223 | 34.1% | [redacted] | 33.9% | [redacted] |
| White students | 55 | 60.0% | [redacted] | 50.9% | [redacted] |
| African-American students | 409 | 40.1% | [redacted] | 34.6% | [redacted] |
| Hispanic students | 2 | NA | | NA | |
| Other students | 0 | NA | | NA | |
| Free or reduced-price lunch students | 396 | 38.6% | [redacted] | 33.8% | [redacted] |
| Pay for lunch students | 70 | 64.3% | [redacted] | 52.9% | [redacted] |
| Students with non-speech disabilities | 41 | 14.6% | [redacted] | 38.7% | [redacted] |



FCSD4_21347

PLT_1343-0002

REC026452

| | | | | | |
|---|---|---|---|---|---|
| Students without disabilities | 425 | 45.2% | [redacted] | 14.6% | [redacted] |

**How 10th graders performed on their first attempt on the S.C. Exit Exam**

Class of 2001

| Name | Passed all three subtests | Passed two subtests | Passed one subtest | Failed all subtests |
|---|---|---|---|---|
| **Florence 4** | 69.7% | 6.1% | 10.6% | 13.6% |
| **Similar districts** | 55.0% | 19.8% | 14.0% | 11.2% |

Class of 2000

| Name | Passed all three subtests | Passed two subtests | Passed one subtest | Failed all subtests |
|---|---|---|---|---|
| **Florence 4** | 32.9% | 25.6% | 18.3% | 23.2% |
| **Similar districts** | 45.4% | 22.6% | 17.5% | 14.6% |

Class of 1999

| Name | Passed all three subtests | Passed two subtests | Passed one subtest | Failed all subtests |
|---|---|---|---|---|
| **Florence 4** | 42.9% | 22.2% | 20.6% | 14.3% |
| **Similar districts** | 42.4% | 24.2% | 17.3% | 16.1% |

**Eligibility for LIFE scholarships**

Percentage of seniors eligible for LIFE scholarships

| | | |
|---|---|---|
| **Florence 4** | 3.3% | [redacted] |
| **Similar schools** | 5.4% | [redacted] |

Percentage of seniors who met the grade-point average requirement to receive a LIFE scholarship

| | | |
|---|---|---|
| **Florence 4** | 32.8% | [redacted] |
| **Similar schools** | 30.4% | [redacted] |

Percentage of seniors who met the SAT requirement to receive a LIFE scholarship

| | | |
|---|---|---|
| **Florence 4** | 3.3% | [redacted] |
| **Similar schools** | 5.6% | [redacted] |

**College admissions tests**
SAT



FCSD4_21348

PLT_1343-0003

REC026453

| Area | Number tested | | Verbal | | Math | | Total | |
|---|---|---|---|---|---|---|---|---|
| | 2000 | 2001 | 2000 | 2001 | 2000 | 2001 | 2000 | 2001 |
| Florence 4 | 22 | 29 | 384 | 401 | 384 | 406 | 768 | 807 |
| S.C. average | 19,304 | 18,278 | 484 | 486 | 482 | 488 | 966 | 974 |
| U.S. average | 1.3 million | | 505 | 506 | 514 | 514 | 1019 | 1020 |

ACT

| Area | Number tested | | English | | Math | | Reading | | Science | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2000 | 2001 | 2000 | 2001 | 2000 | 2001 | 2000 | 2001 | 2000 | 2001 | 2000 | 2001 |
| Florence 4 | 8 | 9 | 14.4 | 12.1 | 13.9 | 15.7 | 14.6 | 12.6 | 16.5 | 14.0 | 14.9 | 13.7 |
| S.C. average | 7,272 | 8,773 | 18.7 | 18.8 | 19.2 | 19.3 | 19.5 | 19.5 | 19.2 | 19.2 | 19.3 | 19.3 |
| U.S. average | 1 million | | 20.5 | 20.5 | 20.7 | 20.7 | 21.4 | 21.3 | 21.0 | 21.0 | 21.0 | 21.0 |

**State and U.S. results on two tests given to a sample of students**
**Terra Nova**

| Grade | Reading | | Language | | Math | | Total | |
|---|---|---|---|---|---|---|---|---|
| | S.C. | U.S. | S.C. | U.S. | S.C. | U.S. | S.C. | U.S. |
| Fourth grade | 47.8 | 50 | 43.1 | 50 | 58.4 | 50 | 50.5 | 50 |
| Seventh grade | 45.8 | 50 | 59.4 | 50 | 54.7 | 50 | 53.9 | 50 |
| 10th grade | 59.6 | 50 | 59.5 | 50 | 62.4 | 50 | 59.1 | 50 |

**National Assessment of Education Progress**

| | | | Advanced | | Proficient | | Basic | | Below Basic | |
|---|---|---|---|---|---|---|---|---|---|---|
| Test | Grade | Year | S.C. | U.S. | S.C. | U.S. | S.C. | U.S. | S.C. | U.S. |
| Reading | Fourth | 1998 | 4 | 6 | 18 | 23 | 33 | 32 | 45 | 39 |
| Writing | Eighth | 1998 | 0 | 1 | 15 | 23 | 64 | 59 | 21 | 17 |
| Math | Fourth | 2000 | 2 | 3 | 16 | 23 | 42 | 43 | 40 | 31 |

**Indicators of district performance**

Dollars spent per student
$7,279: at Florence 4
$7,036: at similar districts.
$6,464: S.C. average.

**Prime instruction time**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 90.4% | 86.2% |
| Similar districts | 88.5% | |
| S.C. average | 89.4% | |



FCSD4_21349

PLT_1343-0004

REC026454

**Student-teacher ratio**

| Area | Ratio |
|---|---|
| Florence 4 | 20.6 students to 1 teacher |
| Similar districts | 19.2 students to 1 teacher |
| Similar districts | 19.2 students to 1 teacher |
| S.C. average | 20.2 students to 1 teacher |

**Vacancies for more than nine weeks**

| Area | Vacancies |
|---|---|
| Florence 4 | 3.7% |
| Similar districts | 2.8% |
| S.C. average | 0.6% |

**Information about Florence 4 District's 1,097 students.**

**Exam success percentages advanced placement/international baccalaureate program exams**

| Area | Rate |
|---|---|
| Florence 4 | 3.8% |
| Similar districts | 3.1% |
| S.C. average | 43.8% |

**Student attendance rates**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 94.3% | 94.9% |
| Similar districts | 95.4% | |
| S.C. average | 95.7% | |

**Percentage of students taking PACT off grade level**

| Area | English/Language arts | Math |
|---|---|---|
| Florence 4 | 2.4% | 2.4% |
| Similar districts | 7.9% | 6.2% |
| S.C. average | 5.8% | 4.5% |

**Student retention rate**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 6.3% | 5.4% |
| Similar districts | 7.6% | |
| S.C. average | 6.0% | |

**Information about Florence 4 District's 81 teachers.** | Back to top

**Professional development days per teacher**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 8.5 | 8.5 |
| Similar districts | 8.2 | |
| S.C. average | 7.8 | |

**Teacher attendance rate**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 97.6% | 93.5% |
| Similar districts | 95.0% | |
| S.C. average | 95.2% | |

**Teachers with advanced degrees**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 32.1% | 30.6% |
| Similar districts | 36.8% | |
| S.C. average | 44.4% | |

**Teachers with continuing contracts**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 67.9% | 81.6% |
| Similar districts | 77.0% | |
| S.C. average | 81.4% | |

**Teachers with out-of-field permits**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 1.2% | 0.0% |
| Similar districts | 4.9% | |
| S.C. average | 2.2% | |

**Teachers returning from the previous year**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 79.6% | 82.6% |
| Similar districts | 84.3% | |
| S.C. average | 89.5% | |

**Average teacher salary**

| Area | Salary this year | Salary last year |
|---|---|---|
| Florence 4 | $35,503 | $34,508 |
| Similar districts | $35,231 | |
| S.C. average | $37,143 | |

**Florence 4 District facts**

Back to top **Annual dropout rate**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 4.9% | 3.2% |
| Similar districts | 4.3% | |
| S.C. average | 2.9% | |

**Percentage spent on teacher salaries**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 45.8% | 0.0% |
| Similar districts | 46.5% | |
| S.C. average | 50.9% | |

**Superintendents' years in the district**
0: Years at Florence 4 for Superintendent Valerie E. Harrison.
3: Years for superintendents at the 12 similar districts.
3: South Carolina average.

**Parent conferences**

| Area | Rate |
|---|---|
| Florence 4 | 16.0% |
| Similar districts | 78.9% |
| S.C. average | 81.0% |

**Opportunitities in the arts**

| Area | Number |
|---|---|
| Florence 4 | 3 |
| Similar districts | 3 |
| S.C. average | 4 |

**Number of schools in district**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 3 | 1 |
| Similar districts | 6 | |
| S.C. average | 8 | |



FCSD4_21352

PLT_1343-0007

REC026457

**Number of alternative schools**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 0 | 0 |
| Similar districts | 0 | |
| S.C. average | 0 | |

**Number of charter schools**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 0 | 0 |
| Similar districts | 0 | |
| S.C. average | 0 | |

**Number of magnet schools**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 0 | 0 |
| Similar districts | 0 | |
| S.C. average | 0 | |

**Percentage of portable classrooms Percentage of classrooms that are portables**

| Area | Percentage |
|---|---|
| Florence 4 | 3.6 |
| Similar districts | 6.6 |
| S.C. average | 6.5 |

**Attendance rate of district office staff**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 97.6% | 0.0% |
| Similar districts | 97.5% | |
| S.C. average | 97.5% | |

**Average administrative salary**

| Area | Salary this year | Salary last year |
|---|---|---|
| Florence 4 | $73,630 | $66,527 |
| Similar districts | $62,683 | |
| S.C. average | $64,098 | |

**Student facts** | Back to top

**Students suspended or expelled**

| Area | Number |
|---|---|
| Florence 4 | 3 |
| Similar districts | 84 |
| S.C. average | 100 |

**Percent of students eligible for state gifted and talented programs**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 5.5% | 8.4% |
| Similar schools | 5.8% | |
| S.C. average | 10.5% | |

**Percent with disabilities other than speech**

| Area | This year | Last year |
|---|---|---|
| Florence 4 | 11.6% | 9.3% |
| Similar schools | 9.7% | |
| S.C. average | 10.5% | |

District superintendent's report

FLORENCE SCHOOL DISTRICT FOUR:

EVERY STUDENT ACHIEVING

Many exciting things are happening in Florence School District Four.

Students in the district are being educated in a state-of-the art facility, the Timmonsville Educational Center.

The Board of Trustees has adopted a bold new reading initiative with a goal of every child reading on grade level in three years.

Staff, teacher, and student efforts are focused on making this goal a reality; a strategic plan has been developed and is being implemented.

Our partnerships with the business community continue to grow and strengthen.

Honda of South Carolina, Pee Dee Electric Cooperative, Washington Mutual, and Boys and Girls Clubs provide welcome support to district initiatives.

Test scores have improved in the areas of readiness and Exit Exam

results.

Our school district is growing, progressing, and helping students achieve more.

Valerie Harrison, Superintendent

## DISTRICT PROFILE

### INDICATORS OF DISTRICT PERFORMANCE

| | This District | Change from Last Year | Districts With Students Like Ours | Median District |
|---|---|---|---|---|
| • Dollars per student | $8,031 | Up 16.0% | $8,211 | $7,072 |
| • Prime instructional time | 87.5% | Down from 88.9% | 87.5% | 88.9% |
| • Student-teacher ratio | 8.9 to 1 | Down from 12.8 to 1 | 17.1 to 1 | 18.6 to 1 |
| • Vacancies for more than nine weeks | 4.3% | Up from 3.4% | 2.2% | 0.4% |
| • Advanced placement/ Int'l baccalaureate program: | | | | |
| Participation Rate | 5.2% | N/A | 5.2% | 9.3% |
| Exam Success Rate | 0.0% | N/A | 5.9% | 52.7% |
| • Attendance Rate | 93.9% | Down from 95.3% | 95.2% | 96.0% |
| • Taking PACT (ELA) off grade level | 7.0% | Up from 6.9% | 11.0% | 7.1% |
| • Taking PACT (Math) off grade level | 6.1% | Up from 5.9% | 9.4% | 5.6% |
| • Retention rate | 9.9% | Up from 7.5% | 8.7% | 5.6% |
| • Professional development days per teacher | N/R | N/R | 5.0 Days | 5.0 Days |
| • Attendance rate | 95.0% | Down from 95.2% | 95.0% | 95.0% |
| • Advanced Degrees | 32.6% | Down from 33.9% | 35.2% | 49.9% |
| • Continuing contracts | 63.1% | Down from 64.8% | 69.7% | 83.1% |
| • Out-of-field permits | 1.7% | Down from 4.7% | 4.2% | 2.0% |
| • Teachers returning from the previous year | 77.9% | Down from 79.5% | 78.0% | 88.6% |
| • Average salary | $36,362 | Up 0.4% | $36,477 | $39,023 |

## DISTRICT FACTS

| | | | | |
|---|---|---|---|---|
| • Annual dropout rate | 6.6% | Up from 4.1% | 3.8% | 3.1% |
| • Percentage spent on teacher salaries | 52.7% | Up from 47.5% | 50.0% | 53.7% |
| • Superintendent's years in the district | 5.5 | No change | 5.5 | 3.0 |
| • Parent conferences | 95.5% | Down from 98.1% | 85.5% | 93.9% |
| • Opportunities in the arts | Good | Down from Excellent | Good | Excellent |
| • Number of schools | 8 | No change | 4 | 8 |
| • Number of alternative schools | 0 | No change | 0 | 0 |
| • Number of charter schools | 0 | No change | 0 | 0 |
| • Number of magnet schools | 0 | No change | 0 | 0 |
| • Portable classrooms | 9.8% | Up from 7.2% | 9.1% | 6.6% |
| • Attendance rate of district office staff | 94.4% | N/R | 94.6% | 98.8% |
| • Average administrative salary | $59,548 | Up 3.8% | $65,936 | $66,570 |
| • Enrollment in adult education GED or diploma programs | 317 | N/A | 55 | 129 |
| • Number of completions in adult education GED or diploma programs | 31 | N/A | 7 | 37 |
| • Suspensions and expulsions | 3.0% | N/A | 1.4% | 1.5% |
| • Percent eligible for state gifted and talented programs | 1.7% | Down from 2.5% | 4.2% | 10.0% |
| • Percentage with disabilities other than speech | 8.4% | Up from 7.4% | 10.4% | 10.7% |

3101




Lee School District
521 Park Street
Bishopville, South Carolina 29010

Grades K-12
Enrollment: 3,143 Students
Superintendent Dr. Willie Townes 803-484-5327
Board Chair Quoenic Boyd 803-484-8326


PLAINTIFF'S EXHIBIT 1377

## THE STATE OF SOUTH CAROLINA

| Annual District Report Card | 2002 |
|---|---|

### DISTRICT SUPERINTENDENT'S REPORT

The number one priority in our district is to improve student achievement. Everything we do in our schools must have a positive effect upon teaching and learning in our classrooms. We must continue to ask ourselves how a particular strategy or action will affect student achievement. Implementing the district strategic plan and the school renewal plans will ensure that improving the instruction is the focal point of our district's educational programs. One of the eight strategies contained in the District Strategic Plan states that we will ensure implementation of effective teaching practices and a challenging, relevant curriculum. The remaining seven strategies also impact upon curriculum and instruction. These areas are: policy and procedures; organization and administration; student services; facilities and maintenance; discipline; staff development and stakeholder relations.

During this past school year, we have had many successes with respect to student performance in the areas of academics, athletics and the arts. Among our many accomplishments are the following:

* Bishopville Primary and Lower Lee Primary Schools received Palmetto Silver Awards presented to schools based upon improved performance on longitudinally matched student data.
* Student academic performance continues to show improvement in specific grade levels, subject areas and schools;
* The Lee Central High School Lady Stallions basketball team won a second straight Class 2A state title;
* The Lee County Board of Education and the Lee County First Steps Partnership joined forces to make full-day classes for four-year-olds a reality in the Lee County Schools in August 2001;
* Carol Bowens, a teacher at the Lee County Career Center, earned certification from the National Board of Professional Teaching Standards;
* The Lee County School Board of Education approved plans to renovate and enlarge Lower Lee Primary and West Lee Elementary Schools;
* The Children's Storybook Parade and Children's Health on Parade were successful and heavily attended by students and parents.
* The Lee County School Board of Education responded to a community recommendation by changing the name of Bishopville Intermediate to Dennis Intermediate.

Our accomplishments indicate that learning and teaching are improving in the Lee County School District. The school board will continue to explore all options to secure the resources our children deserve.

**South Carolina Performance Goal:**

By 2010, South Carolina's student achievement will be ranked in the top half of the states nationally. To achieve this goal, we must become one of the five fastest improving systems in the country.

For more information, visit
www.myscschools.com or
www.sceoc.org

REC026597

PLT_1377

## Lee

**ABSOLUTE RATING:** Below Average
**IMPROVEMENT RATING:** Average

**Absolute Ratings of Similar Districts**

| Unsatisfactory | Below Average | Average | Good | Excellent |
|---|---|---|---|---|
| 1 | 7 | 0 | 0 | 0 |

**Definitions of District Rating Terms**

**Excellent**- District performance substantially exceeds the standards for progress toward the 2010 SC Performance Goal.

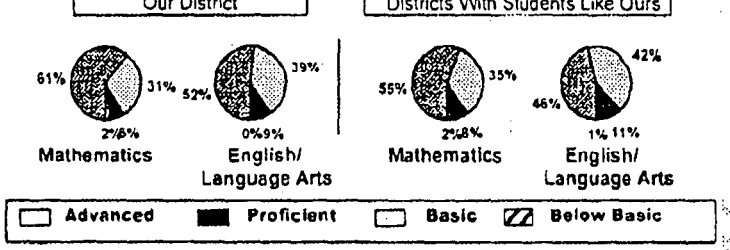
**Good**- District performance exceeds the standards for progress toward the 2010 SC Performance Goal.

**Average**- District performance meets the standards for progress toward the 2010 SC Performance Goal.

**Below Average**- District is in jeopardy of not meeting the standards for progress toward the 2010 SC Performance Goal.

**Unsatisfactory**- District performance fails to meet the standards for progress toward the 2010 SC Performance Goal

## PALMETTO ACHIEVEMENT CHALLENGE TESTS (PACT) RESULTS




**DEFINITIONS OF CRITICAL TERMS:**

- **Advanced** – Student performance exceeded expectations.
- **Proficient** – Student performance met expectations.
- **Basic** – Student performance met minimum performance expectations.
- **Below Basic** – Student performance did not meet minimum performance expectations.

## PERFORMANCE BY STUDENT GROUPS

| Student Group | Exit Exam Passage Rate by Spring 2002 N | % | Eligibility for LIFE Scholarships* N | % | Students Scoring Basic or Above on The PACT N | % ELA | % Math |
|---|---|---|---|---|---|---|---|
| **All students** | 154 | 88.3% | 134 | 3.0% | 1,277 | 48.5% | 39.5% |
| Students with disabilities other than speech | 1 | I/S | 9 | 0.0% | 99 | 22.2% | 22.2% |
| Students without disabilities | 137 | 38.7% | 125 | 3.2% | 1,159 | 51.5% | 41.6% |
| **Gender** | | | | | | | |
| Male | 59 | 39.0% | 48 | 2.1% | 651 | 40.1% | 38.1% |
| Female | 79 | 38.0% | 86 | 3.5% | 626 | 57.2% | 40.9% |
| **Ethnic Group** | | | | | | | |
| African American | 128 | 35.9% | 128 | 1.6% | 1,203 | 47.5% | 38.8% |
| Hispanic | N/A | N/A | 0 | N/A | 10 | 70.0% | 60.0% |
| White | 10 | 70.0% | 6 | 33.3% | 57 | 66.7% | 50.9% |
| Other | N/A | N/A | 0 | N/A | 0 | N/A | N/A |
| **Lunch Status** | | | | | | | |
| Free/reduced-price lunch | 98 | 36.7% | 81 | 2.5% | 1,121 | 46.3% | 38.4% |
| Pay for lunch | 39 | 43.6% | 53 | 3.8% | 131 | 75.6% | 56.5% |

N equals number of students on which percentages are calculated.
*Using the criteria for students who entered college in fall 2001.

## Lee

### TENTH GRADE PASSAGE OF ONE OR MORE SUBTESTS OF THE EXIT EXAM

First-time Examinees

| | 2000 | 2001 | 2002 |
|---|---|---|---|
| Our district | | | |
| Passed all 3 subtests | 30.1% | 46.8% | 41.6% |
| Passed 2 subtests | 27.3% | 23.4% | 20.6% |
| Passed 1 subtest | 23.3% | 15.8% | 18.6% |
| Passed no subtest | 19.3% | 13.9% | 18.8% |
| Districts with students like ours | | | |
| Passed all 3 subtests | 36.1% | 49.7% | 45.4% |
| Passed 2 subtests | 24.5% | 20.2% | 24.3% |
| Passed 1 subtest | 20.5% | 16.2% | 14.8% |
| Passed no subtest | 18.9% | 13.8% | 15.5% |

### LIFE scholarships at four-year institutions*

| | Eligible | Percent of Seniors Meeting Grade Point Average Requirement | Meeting SAT/ACT Requirement |
|---|---|---|---|
| Our District | 3.0 | 11.2 | 3.0 |
| Districts Like Ours | 4.4 | 30.0 | 5.3 |

*Using the criteria for students who entered college in fall 2001.

**College Admissions Tests:** Tests that are frequently used in the college admissions process.

| | SAT Verbal 2001 | SAT Verbal 2002 | SAT Math 2001 | SAT Math 2002 | SAT Total 2001 | SAT Total 2002 | ACT English 2001 | ACT English 2002 | ACT Math 2001 | ACT Math 2002 | ACT Reading 2001 | ACT Reading 2002 | ACT Science 2001 | ACT Science 2002 | ACT Total 2001 | ACT Total 2002 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| District | 391 | 398 | 392 | 392 | 783 | 788 | 13.7 | 13.6 | 16.4 | 17.8 | 15.6 | 12.9 | 15.9 | 15.4 | 15.6 | 14.3 |
| State | 486 | 488 | 488 | 493 | 974 | 981 | 18.8 | 18.8 | 19.3 | 19.1 | 19.5 | 19.3 | 19.2 | 19.2 | 19.3 | 19.2 |
| Nation | 506 | 504 | 514 | 516 | 1020 | 1020 | 20.5 | 20.7 | 20.7 | 20.5 | 21.3 | 21.1 | 21.0 | 20.8 | 21.0 | 20.8 |

*These tests were administered to samples of students:*

**Terra Nova Test:** A national, norm-referenced achievement test.

Percent scoring in upper half

| | Reading State | Reading Nation | Language State | Language Nation | Math State | Math Nation | Total State | Total Nation |
|---|---|---|---|---|---|---|---|---|
| Grade 4 | 47.8 | 50.0 | 43.1 | 50.0 | 58.4 | 50.0 | 50.5 | 50.0 |
| Grade 7 | 45.8 | 50.0 | 59.4 | 50.0 | 54.7 | 50.0 | 53.9 | 50.0 |
| Grade 10 | 59.8 | 50.0 | 50.5 | 50.0 | 62.4 | 50.0 | 59.1 | 50.0 |

**National Assessment of Education Progress :** A national, criterion-referenced achievement test.

Percents of Students

| Test | Grade | Year | Advanced State | Advanced Nation | Proficient State | Proficient Nation | Basic State | Basic Nation | Below Basic State | Below Basic Nation |
|---|---|---|---|---|---|---|---|---|---|---|
| Reading | 4 | 1998 | 4 | 8 | 18 | 23 | 33 | 32 | 45 | 38 |
| Writing | 8 | 1998 | 0 | 1 | 15 | 23 | 64 | 59 | 21 | 17 |
| Mathematics | 4 | 2000 | 2 | 3 | 18 | 29 | 42 | 43 | 40 | 31 |

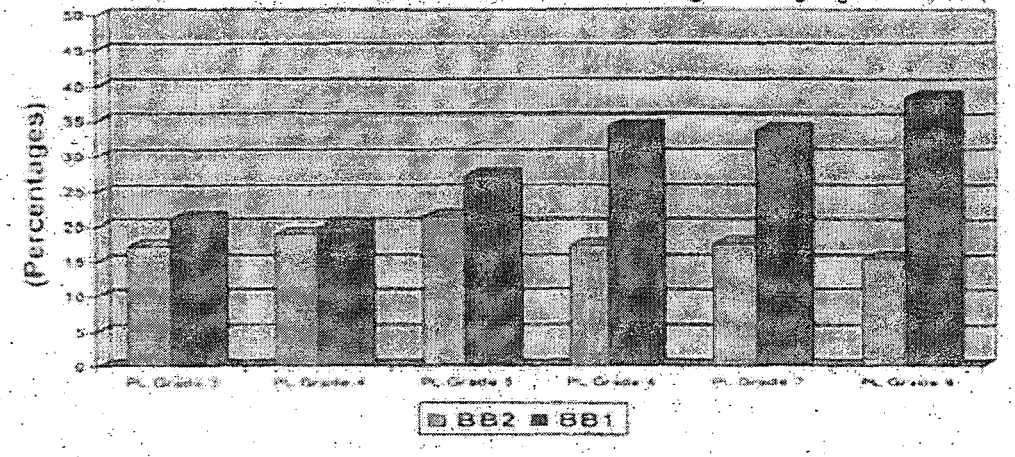
ABBREVIATIONS FOR MISSING DATA
N/A – Not Applicable
N/C – Not Collected
N/R – Not Reported
I/S – Insufficient Sample

REC026598
PLT_1377-0002

1404 B

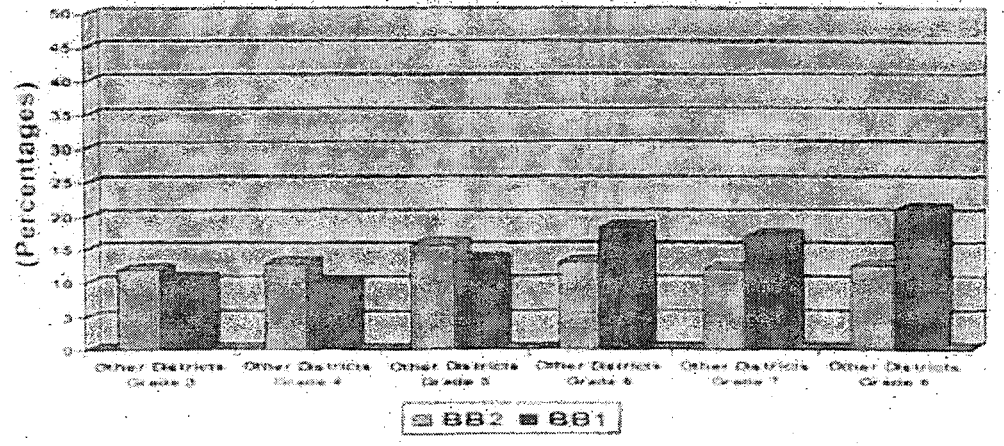
## 2002 PACT DATA

Comparison of BB1 and BB2 for Plaintiff Districts English Language Arts (ELA)




## 2002 PACT DATA

Comparison of BB1 and BB2 for Other Districts English Language Arts (ELA)




EXP/PLT-LA-0293

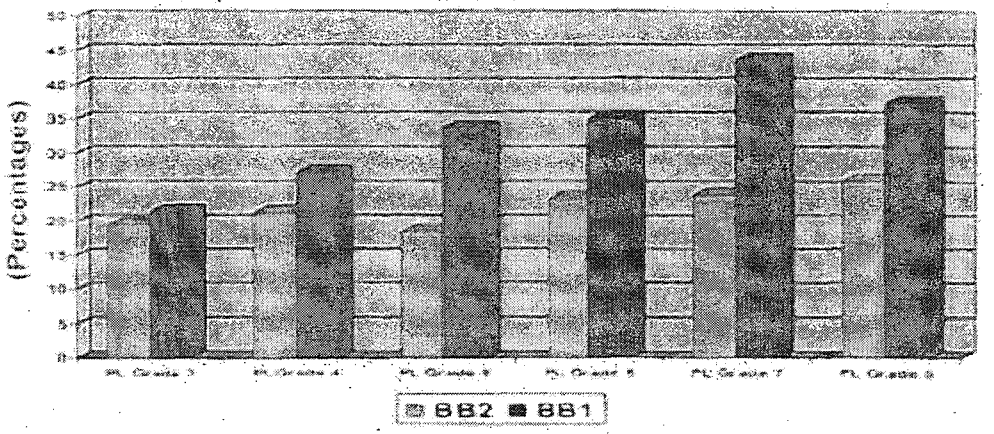
REC026669

PLT_1404B

1404 C

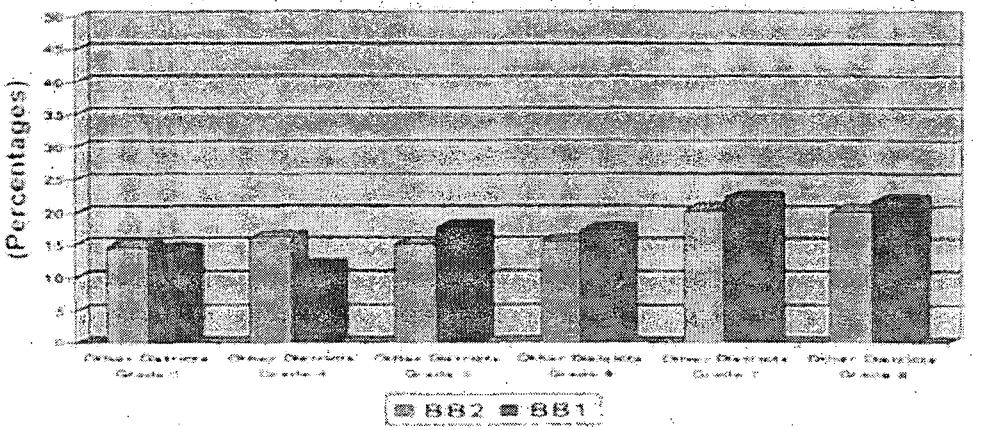
## 2002 PACT DATA

Comparison of BB1 and BB2 for PL Districts Mathematics




## 2002 PACT DATA

Comparison of BB1 and BB2 for Other Districts Mathematics




EXP/PLT-LA-0292

REC026670

PLT_1404C

## Marion 7

**ABSOLUTE RATING:** Below Average
**IMPROVEMENT RATING:**

**Absolute Ratings of Similar Districts**

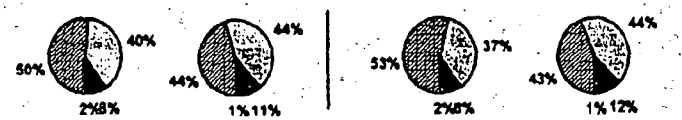
| Unsatisfactory | Below Average | Average | Good | Excellent |
|---|---|---|---|---|
| 0 | 6 | 0 | 0 | 0 |

**Definitions of District Rating Terms**

**Excellent**- District performance substantially exceeds the standards for progress toward the 2010 SC Performance Goal.
**Good**- District performance exceeds the standards for progress toward the 2010 SC Performance Goal.
**Average**- District performance meets the standards for progress toward the 2010 SC Performance Goal.
**Below Average**- District is in jeopardy of not meeting the standards for progress toward the 2010 SC Performance Goal.
**Unsatisfactory**- District performance fails to meet the standards for progress toward the 2010 SC Performance Goal.

## PALMETTO ACHIEVEMENT CHALLENGE TESTS (PACT) RESULTS

Our District | Districts With Students Like Ours




Advanced | Proficient | Basic | Below Basic

**DEFINITIONS OF CRITICAL TERMS:**

- **Advanced** – Student performance exceeded expectations.
- **Proficient** – Student performance met expectations.
- **Basic** – Student performance met minimum performance expectations.
- **Below Basic** – Student performance did not meet minimum performance expectations.

## PERFORMANCE BY STUDENT GROUPS

| Student Group | Exit Exam Passage Rate by Spring 2002 | | Eligibility for LIFE Scholarships* | | Students Scoring Basic or Above on The PACT | | |
|---|---|---|---|---|---|---|---|
| | N | % | N | % | N | % ELA | % Math |
| **All students** | 51 | 98.1% | 51 | 5.9% | 454 | 54.8% | 46.0% |
| Students with disabilities other than speech | 1 | I/S | 4 | I/S | 52 | 28.8% | 25.0% |
| Students without disabilities | 50 | 96.0% | 47 | 6.4% | 397 | 58.9% | 52.6% |
| **Gender** | | | | | | | |
| Male | 25 | 96.0% | 24 | 4.2% | 226 | 48.7% | 47.8% |
| Female | 26 | 96.2% | 27 | 7.4% | 228 | 61.0% | 50.0% |
| **Ethnic Group** | | | | | | | |
| African American | 47 | 95.7% | 47 | 6.4% | 401 | 52.4% | 46.9% |
| Hispanic | 1 | I/S | 1 | I/S | 7 | 42.9% | 42.9% |
| White | 2 | I/S | 1 | I/S | 45 | 77.8% | 66.7% |
| Other | N/A | N/A | 2 | I/S | 0 | N/A | N/A |
| **Lunch Status** | | | | | | | |
| Free/reduced-price lunch | 43 | 95.3% | 47 | 6.4% | 425 | 54.4% | 48.9% |
| Pay for lunch | 7 | 100.0% | 4 | I/S | 24 | 75.0% | 58.3% |

N equals number of students on which percentages are calculated.
*Using the criteria for students who entered college in fall 2001.

## Marion 7

TENTH GRADE PASSAGE OF ONE OR MORE SUBTESTS OF THE EXIT EXAM

First-time Examinees

| | 2000 | 2001 | 2002 |
|---|---|---|---|
| **Our district** | | | |
| Passed all 3 subtests | | | 50.9% |
| Passed 2 subtests | | | 26.3% |
| Passed 1 subtest | | | 14.0% |
| Passed no subtest | | | 8.8% |
| **Districts with students like ours** | | | |
| Passed all 3 subtests | 42.0% | 41.1% | 43.8% |
| Passed 2 subtests | 22.9% | 20.6% | 25.1% |
| Passed 1 subtest | 18.3% | 18.6% | 16.6% |
| Passed no subtest | 16.8% | 13.6% | 14.5% |

**LIFE scholarships at four-year institutions***

| | Eligible | Percent of Seniors Meeting Grade Point Average Requirement | Meeting SAT/ACT Requirement |
|---|---|---|---|
| Our District | 5.9 | 41.2 | 5.9 |
| Districts Like Ours | 4.1 | 27.0 | 5.3 |

*Using the criteria for students who entered college in fall 2001.

**College Admissions Tests:** Tests that are frequently used in the college admissions process.

| | SAT Verbal | | SAT Math | | SAT Total | | ACT English | | ACT Math | | ACT Reading | | ACT Science | | ACT Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| District 7 | 435 | | 435 | | 870 | | 16.0 | | 15.4 | | 16.1 | | 17.7 | | 16.2 | |
| State | 488 | 488 | 488 | 493 | 974 | 981 | 18.8 | 18.8 | 19.3 | 19.1 | 19.5 | 19.3 | 19.2 | 19.2 | 19.3 | 19.2 |
| Nation | 506 | 504 | 514 | 518 | 1020 | 1020 | 20.5 | 20.2 | 20.7 | 20.6 | 21.1 | | 21.0 | 20.6 | 21.0 | 20.8 |

*These tests were administered to samples of students:*

**Terra Nova Test:** A national, norm-referenced achievement test.
Percent scoring in upper half

| | Reading | | Language | | Math | | Total | |
|---|---|---|---|---|---|---|---|---|
| | State | Nation | State | Nation | State | Nation | State | Nation |
| Grade 4 | 47.6 | 50.0 | 43.1 | 50.0 | 58.4 | 50.0 | 50.5 | 50.0 |
| Grade 7 | 45.8 | 50.0 | 59.4 | 50.0 | 54.7 | 50.0 | 53.9 | 50.0 |
| Grade 10 | 69.6 | 50.0 | 69.5 | 50.0 | 62.4 | 50.0 | 69.1 | 50.0 |

**National Assessment of Education Progress :** A national, criterion-referenced achievement test.

**Percents of Students**

| Test | Grade | Year | Advanced State | Advanced Nation | Proficient State | Proficient Nation | Basic State | Basic Nation | Below Basic State | Below Basic Nation |
|---|---|---|---|---|---|---|---|---|---|---|
| Reading | 4 | 1998 | 4 | 6 | 18 | 23 | 32 | 32 | 45 | 39 |
| Writing | 8 | 1998 | 0 | 1 | 15 | 23 | 84 | 59 | 21 | 17 |
| Mathematics | 4 | 2000 | 2 | 3 | 16 | 23 | 42 | 43 | 40 | 31 |

ABBREVIATIONS FOR MISSING DATA
N/A – Not Applicable
N/C – Not Collected
N/R – Not Reported
I/S – Insufficient Sample

PLAINTIFF'S EXHIBIT 1429

PLT_1429

REC026727

# DISTRICT PROFILE

## INDICATORS OF DISTRICT PERFORMANCE

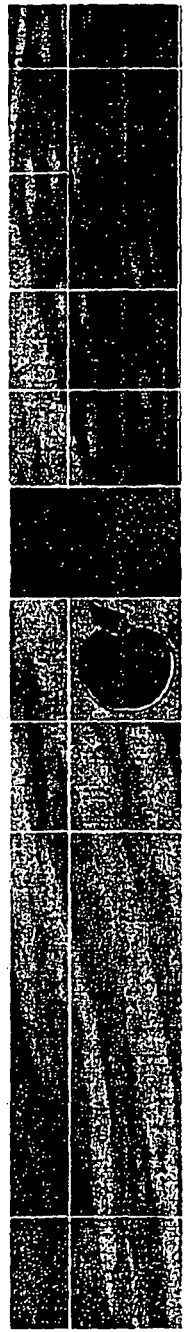
| | This District | Change from Last Year | Districts With Students Like Ours | Median District |
|---|---|---|---|---|
| **DISTRICT** | | | | |
| • Dollars per student | N/A | N/A | $8,031 | $7,072 |
| • Prime instructional time | 87.4% | N/R | 87.4% | 89.9% |
| • Student-teacher ratio | 18.5 to 1 | N/R | 13.8 to 1 | 15.6 to 1 |
| • Vacancies for more than nine weeks | 1.3% | N/R | 1.7% | 0.4% |
| **STUDENTS (n=982)** | | | | |
| • Advanced placement/ Int'l baccalaureate program: | | | | |
| Participation Rate | 1.6% | N/A | 4.7% | 9.3% |
| Exam Success Rate | 50.0% | N/A | 6.1% | 52.7% |
| • Attendance Rate | 94.1% | N/A | 95.5% | 96.0% |
| • Taking PACT (ELA) off grade level | 14.1% | N/A | 11.2% | 7.1% |
| • Taking PACT (Math) off grade level | 13.4% | N/A | 8.4% | 5.8% |
| • Retention rate | 8.0% | N/A | 8.7% | 5.6% |
| **TEACHERS (n=80)** | | | | |
| • Professional development days per teacher | N/R | N/R | 5.0 Days | 5.0 Days |
| • Attendance rate | 95.3% | N/R | 95.0% | 95.0% |
| • Advanced Degrees | 36.3% | N/A | 34.9% | 46.6% |
| • Continuing contracts | 76.3% | N/A | 72.5% | 83.1% |
| • Out-of-field permits | 2.6% | N/A | 3.9% | 2.0% |
| • Teachers returning from the previous year | 76.1% | N/A | 77.1% | 88.6% |
| • Average salary | $33,010 | N/A | $36,249 | $39,023 |

## DISTRICT FACTS

| | | | | |
|---|---|---|---|---|
| **DISTRICT** | | | | |
| • Annual dropout rate | 1.7% | N/A | 2.1% | 3.1% |
| • Percentage spent on teacher salaries | N/A | N/A | 49.6% | 53.7% |
| • Superintendent's years in the district | 8.0 | N/R | 6.5 | 3.0 |
| • Parent conferences | 99.0% | N/R | 90.6% | 93.9% |
| • Opportunities in the arts | Good | N/R | Good | Excellent |
| • Number of schools | 4 | N/A | 4 | 8 |
| • Number of alternative schools | 0 | N/A | 0 | 0 |
| • Number of charter schools | 0 | N/A | 0 | 0 |
| • Number of magnet schools | 0 | N/A | 0 | 0 |
| • Portable classrooms | 8.9% | N/R | 9.1% | 6.6% |
| • Attendance rate of district office staff | 98.4% | N/R | 95.9% | 96.8% |
| • Average administrative salary | $72,630 | N/A | $63,087 | $66,570 |
| **STUDENTS** | | | | |
| • Enrollment in adult education GED or diploma programs | 36 | N/A | 67 | 129 |
| • Number of completions in adult education GED or diploma programs | 7 | N/A | 18 | 37 |
| • Suspensions and expulsions | 3.6% | N/A | 2.3% | 1.5% |
| • Percent eligible for state gifted and talented programs | 4.0% | N/A | 4.2% | 10.6% |
| • Percentage with disabilities other than speech | 13.5% | N/A | 9.2% | 10.7% |



3407



Marion 7 School District
PO Box 1439
Rains, SC 29589

**Grades** K-12
**Enrollment:** 982 Students
**Superintendent** Dr. Everette M. Dean, Jr. 843-423-2891
**Board Chair** Sylvia Holmes 843-362-1200

## THE STATE OF SOUTH CAROLINA

| Annual District Report Card | 2002 |
|---|---|

### DISTRICT SUPERINTENDENT'S REPORT

Marion School District Seven personnel worked hard this year to accomplish the mission of ensuring that all graduates are knowledgeable, productive, contributing citizens. To achieve this goal, teachers continued development and implementation of curricula and assessments aligned to South Carolina State Standards for each grade level and subject area. The district provided support through staff development, instructional materials, and equipment. In addition to curricula and assessment development, the following instructional initiatives were implemented to improve student achievement: Four Blocks Language Arts model, computer-assisted remediation, Reading Renaissance, and Reading Counts, Focused Learning, NetSchools, AIMS (Integrating Math and Science), and LASER. Teachers participated in staff development activities offered through the Pee Dee Education Center, Pee Dee Math and Science Hub and Coastal Rural Systemic Initiative, Coastal Carolina University, University of South Carolina, and other professional associations. Ten teacher specialists provided continuous on-site support for teachers. Consultants in language arts, math, and science provided workshops and additional feedback to teachers on effective teaching methods. Fifteen teachers completed a master's degree program at Francis Marion University.

Students participated in free after school and summer school programs. Distance and on-line classes enabled the district to offer challenging courses taught by outstanding teachers from around the state and nation.

Most important, we united our school district for our children and began construction of Creek Bridge High School. When completed in the summer of 2003, this facility will offer a state of the art learning environment in which teachers can teach and students can learn.

We are proud of the excellent work accomplished by the principals, teachers, staff, and students of Marion School District Seven. We appreciate the support given by parents, community members, and Board Members. We pledge our continued best efforts to our goal, which is that all students will show mastery of state standards by scoring at or above the state average on state and national tests. Finally, we invite you to join us in ensuring our students achieve this challenging goal.

South Carolina Performance Goal:

By 2010, South Carolina's student achievement will be ranked in the top half of the states nationally. To achieve this goal, we must become one of the five fastest improving systems in the country.

For more information, visit
www.myscschools.com or
www.sceoc.org

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REC026728

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

Hawkins Pg 4

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## Overview:

•Current education reform initiatives, in South Carolina and around the nation, heavily rely upon systems of testing and accountability. These systems and their associated tools can be effective means for helping educators benchmark current performance levels and for setting attainable goals, and they can be used as a basis for offering potent motivations in the form of performance incentives. But the effectiveness of testing systems for promoting improved performance is largely a function of appropriately set and interpreted standards—at once reflecting society's drive toward genuine advances in educational achievement and equity of achievement expectations—and as means for identifying areas in need of increased support.

•A key consideration for interpreting a school's performance on standardized tests is poverty level. Research documenting the relationship between socioeconomic disadvantage and poor academic performance is abundant, and we face the difficult challenge of setting ambitious standards without unintentionally ensuring failure among large proportions of our impoverished youth. Certainly children in poverty can and often do succeed, but overwhelming empirical evidence shows that poverty most often represents a substantial—and frequently insurmountable—obstacle to academic success. Poverty levels are not *excuses,* but rather powerful *explanations* for performance gaps in South Carolina.

H. Gregory Hawkins, PhD

REC026783

EXP/PLT-GH-0024

PLT_1458

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

### *Reaching for Higher Standards 1991*

A critical assessment of our progress since EIA

- Explanations for the lack of progress:
  - SC's reform efforts intended to bring students up to <u>minimum</u> achievement standards
  - Grade failure, poor performance on standardized tests, participation in remedial and special programs, and suspension and expulsion rates disproportionately high among African-Americans
  - Social conditions and quality of life issues sorely compromised student ability to achieve—25% of families single parent; 20% of women with a least one child by age 20; 30% of births to unwed mothers
  - Much of state's student population disadvantaged in either or both social and economic terms



REC026784

EXP/PLT-GH-0025

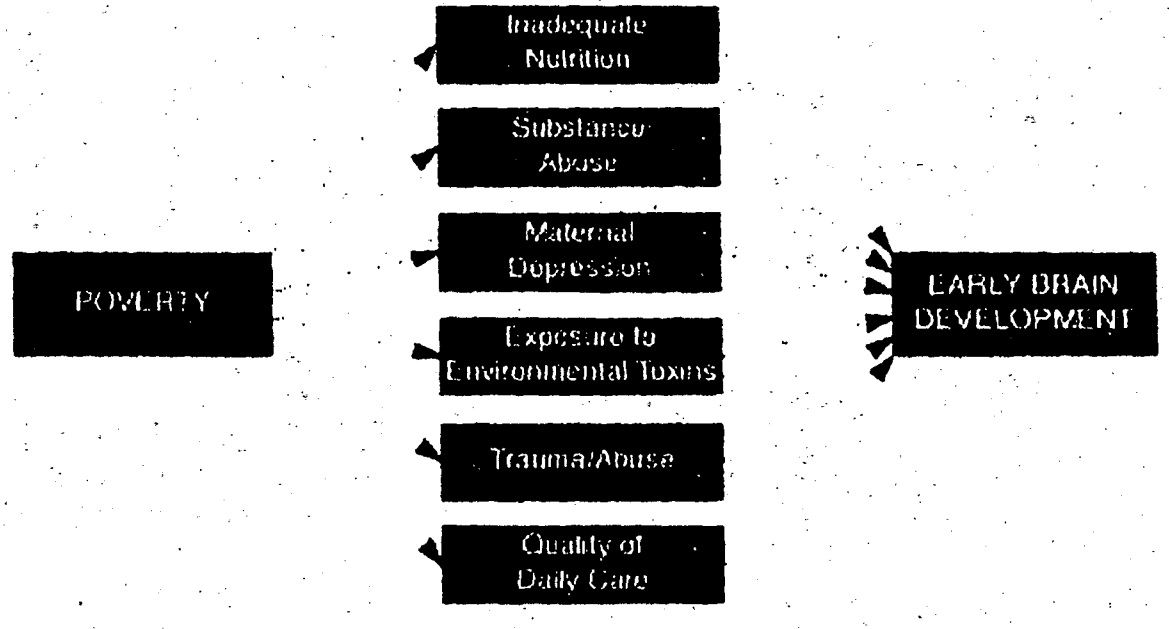
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# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

A Priori
Achievement Gaps:
Recent Research

**The Impact of Poverty on Brain Development: Multiple Pathways**




*Last Updated: January 28, 2003*

REC026785
EXP/PLT-GH-0026
PLT_1458-0003

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

| Explanatory Variable | Correlation with PACT Scores | % Variation in PACT Scores Explained |
|---|---|---|
| 135-Day Average Daily Membership (ADM), two-year average | 0.084 | 0.7% |
| Percentage of Students Tested at School, two-year average | 0.128 | 1.6% |
| Average Teacher Experience at School, two-year average | 0.183 | 3.3% |
| Percentage of School's Teachers with Graduate Degree, two-year average | 0.278 | 7.7% |
| Average Teacher Salary, two-year average | 0.410 | 16.8% |
| Percentage of Student Population "Minority," two-year average | -0.703 | 49.4% |
| Percentage of Students Enrolled in Free/Reduced Lunch, two-year average | -0.789 | 62.3% |



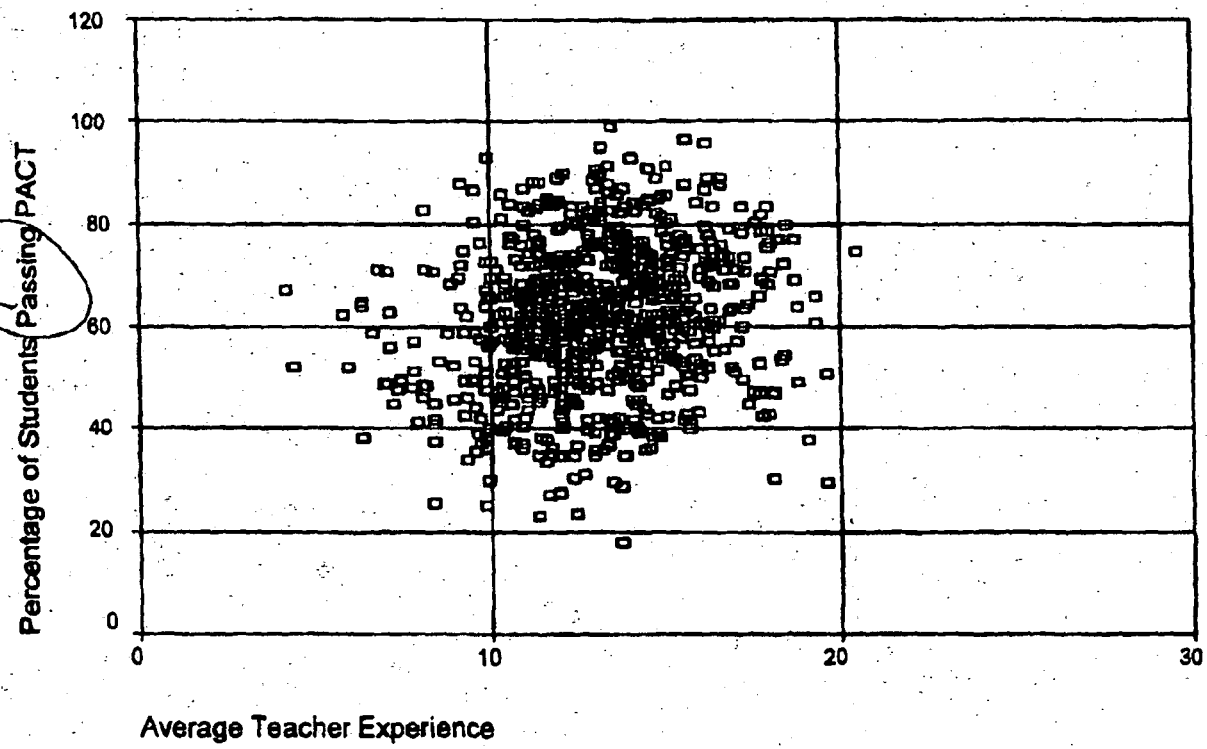
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# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty




Last Updated: January 28, 2003

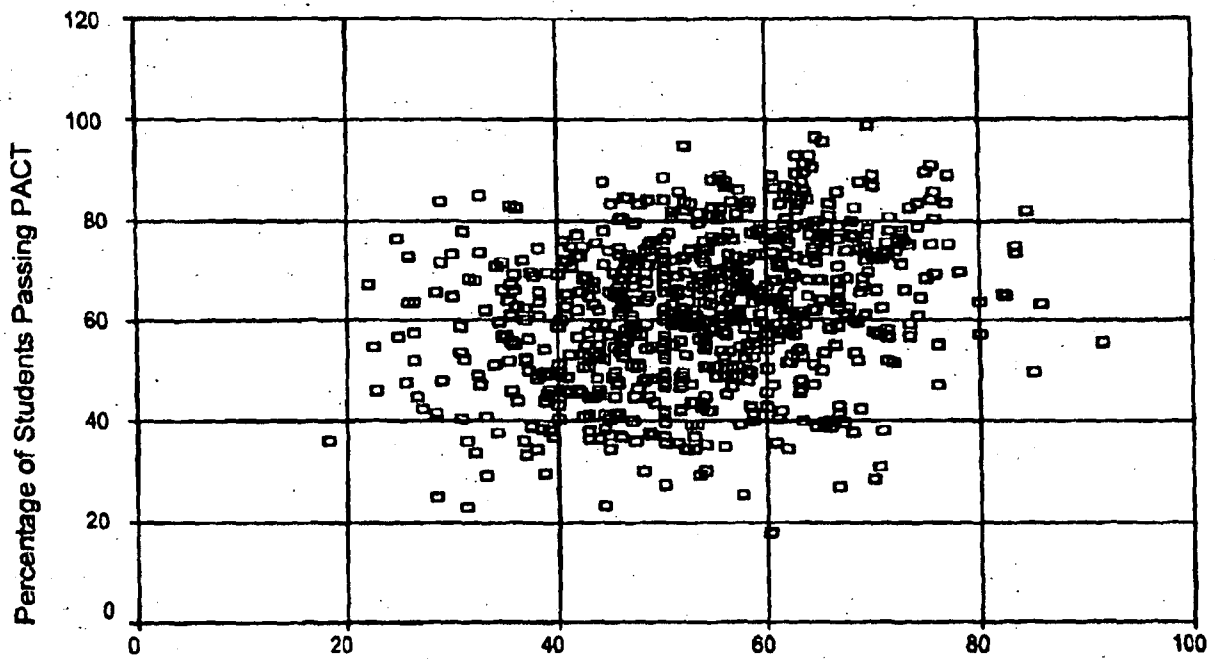
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# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

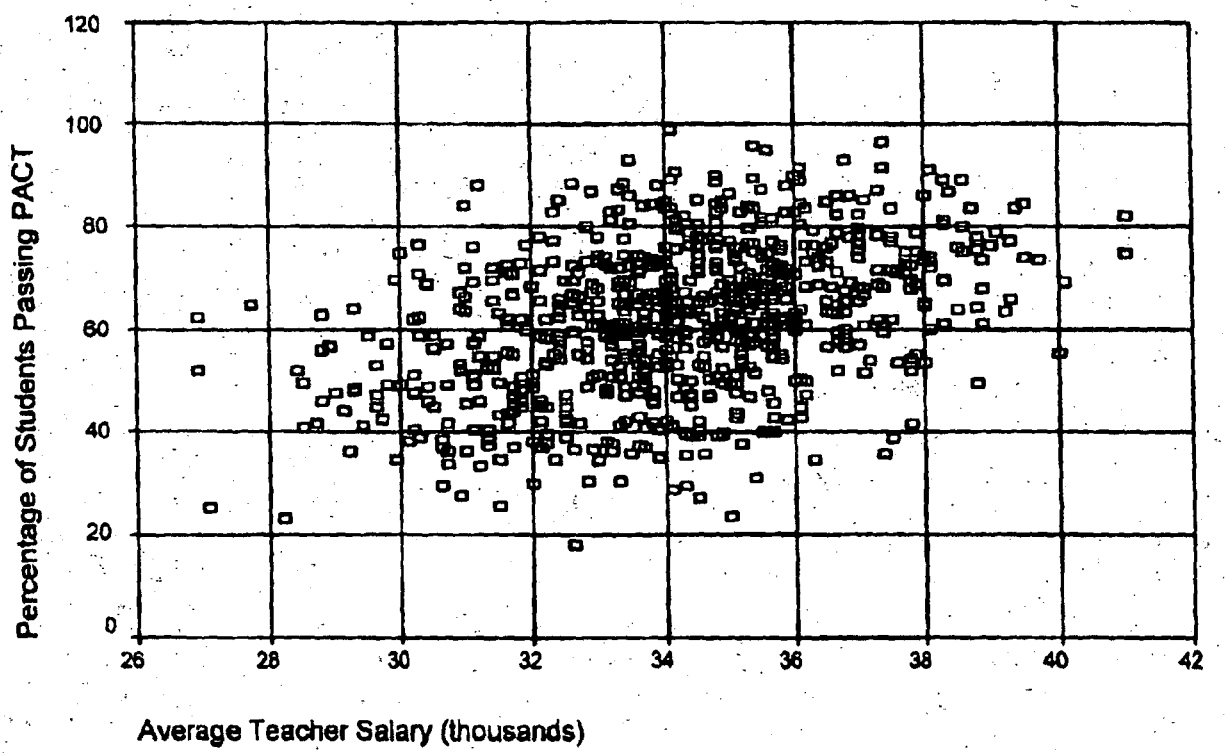



Last Updated: January 28, 2003

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# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

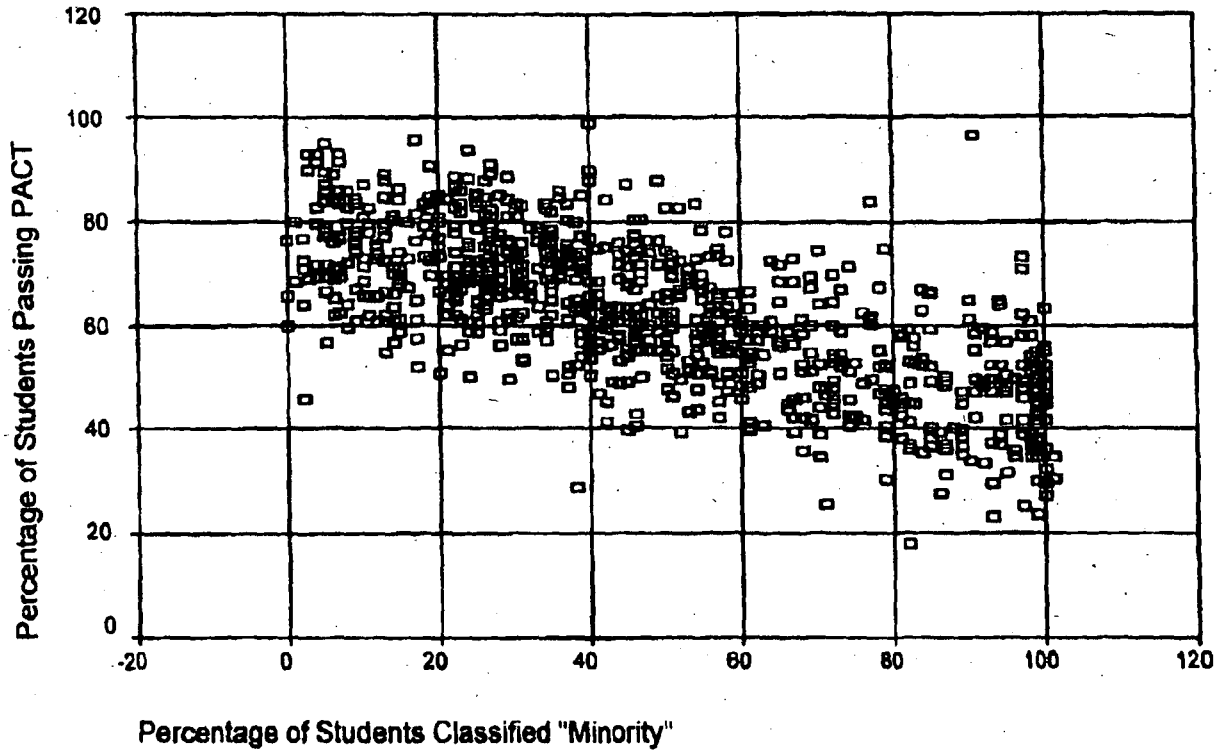



Last Updated: January 28, 2003

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# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

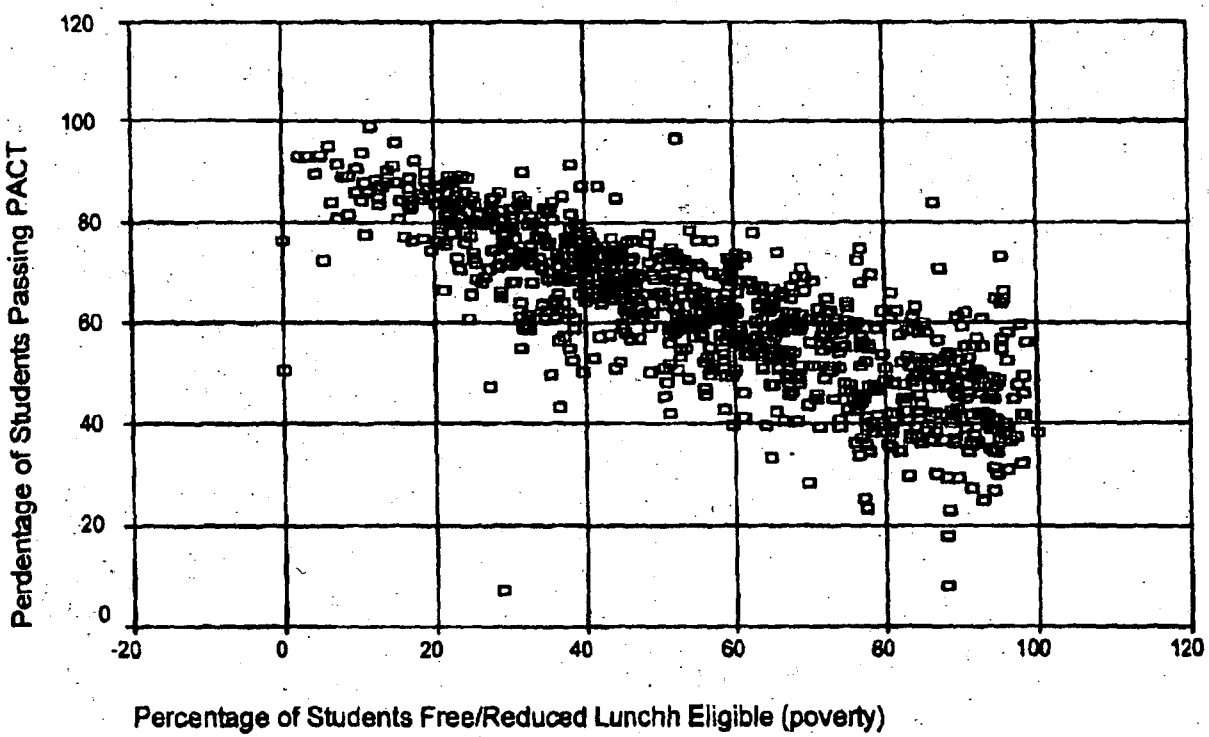



*Last Updated: January 28, 2003*

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EXP/PLT-GH-0031
PLT_1458-0008

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty




*Last Updated: January 28, 2003*

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EXP/PLT-GH-0032

PLT_1458-0009

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

**Analyses of 2001 School Report Cards—Elementary & Middle Schools**

**Issue: Can teacher, administration, and student effort be understood as sufficient to explain differences between "excellent" and "unsatisfactory" schools?**

**On average, "unsatisfactory" schools differ from "excellent" schools in that they have:**

- **41% more students enrolled in free / reduced lunch**
- **42% more minority students**
- **9% fewer teachers with advanced training**
- **Teachers that make approximately $2,000 less per year**

*Last Updated: January 28, 2003*

REC026792

EXP/PLT-GH-0033

PLT_1458-0010

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

### Analyses of 2001 School Report Cards—Elementary & Middle Schools

**Issue: Can teacher, administration, and student effort be understood as sufficient to explain differences between "excellent" and "unsatisfactory" school?**

| *Factor* | *Ratings Category* | *Average* | *t statistic* | *Significance* |
|---|---|---|---|---|
| ***Percentage of test-takers enrolled in free- or reduced-lunch program*** | **Unsatisfactory** | **78.83** | 14.92 | 0.000 |
| | **Excellent** | **32.04** | | |
| ***Percentage of test-takers "non-white"*** | **Unsatisfactory** | **72.74** | 12.93 | 0.000 |
| | **Excellent** | **30.81** | | |
| ***Percentage of teachers with "advanced training"*** | **Unsatisfactory** | **43.79** | -5.53 | 0.000 |
| | **Excellent** | **52.52** | | |
| ***Average teacher salary, in thousands*** | **Unsatisfactory** | **36.49** | -5.93 | 0.000 |
| | **Excellent** | **38.43** | | |

*Last Updated: January 28, 2003*

REC026793
EXP/PLT-GH-0034
PLT_1458-0011

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

**Analyses of 2001 School Report Cards—Elementary & Middle Schools**

**These statistically significant differences are based on "composite scores"**

- **Consideration of "improvement" helped numerous schools escape the "unsatisfactory" cellar**
- **Facts:**
  - **"Excellent" Schools with more than 50% Enrolled in Free / Reduced:**

**20%**

  - **"Unsatisfactory" Schools with more than 50% Enrolled in Free / Reduced:**

**92%**

- **For every "excellent" high-poverty elementary and middle school, we have about a dozen "unsatisfactory" or "below average" schools.**

*Last Updated: January 28, 2003*

REC026794

EXP/PLT-GH-0035

PLT_1458-0012

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

**Analyses of 2001 School Report Cards—Elementary & Middle Schools**

**Issue:** **Can teacher, administration, and student effort be understood as sufficient to explain differences between "excellent" and "unsatisfactory" schools?**

**Conclusion:** **ABSOLUTELY NOT. For causation to be determined and attributed, there must be no significant alternative explanation.**

- **Our most needy students have the lowest paid, least experienced, least trained teachers.**

*Last Updated: January 28, 2003*

REC026795

EXP/PLT-GH-0036

PLT_1458-0013

# UNDERSTANDING "POOR" PERFORMANCE

## PACT Scores and Poverty

**Mounting Evidence of Inequity:**

- Hawkins:
  - Teacher Training—Inequity
  - Teacher Pay—Inequity
  - Negative Consequences of Report Card System—Inequity
  - Poverty and Performance—Inequity
    - Variation Explained = 62.3%
    - State claims gap is closing
- **Conclusion: Opportunity not "equitable"**

- Miley et al:
  - Teacher Training—Inequity
  - Teacher Pay—Inequity
  - Negative Consequences of Report Card System—Inequity
  - Poverty and Performance—Inequity
    - Variation Explained = 66%-70%
    - State claims gap is closing!
  - Transportation Costs—Inequity
    - $, Time
- **Conclusion: Opportunity not "equitable"**



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PLT_1458-0014

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

## Other Issues:

- **Penalties and Social Justice**
  - **Colinearity of Race and Poverty**
  - **Cycles of Poverty; Pervasive Poverty; Culture**
- **Unintended Consequences**
- **Poverty masquerading as "Special Needs"**
- **"Progress" Issues**
  - **Test Changes**
  - **Off-Grade Testing**
  - **School Size**
- **Criterion-Referenced Tests and Normative Treatment of Data**
- **Philosophy versus Empirical Evidence**
- **"Minimally Adequate" as a Situational Construct**



REC026797
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# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

## Other Issues:

- A Priori Gaps
- PACT "Basic" as Operational Definition of "Minimally Adequate"
- Logarithmic Models
  - High Performing Schools & Improvement
- Unsustained Support—Unsustained Improvement Trends (evidence)
- Poverty not as Excuse—Poverty as Strongest Empirical Indicator & Predictor
- State must accept that adequate opportunity requires varying levels of support in varying contexts



REC026798
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# UNDERSTANDING "POOR" PERFORMANCE:
## PACT Scores and Poverty

### *Reaching for Higher Standards 1991*

A critical assessment of our progress since EIA

- Explanations for the lack of progress:
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  - Much of state's student population disadvantaged in either or both social and economic terms



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# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

A Priori
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*Last Updated: January 28, 2003*

REC026800
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PLT_1458.0003

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EXP/PLT-GH-0027

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# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty






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# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

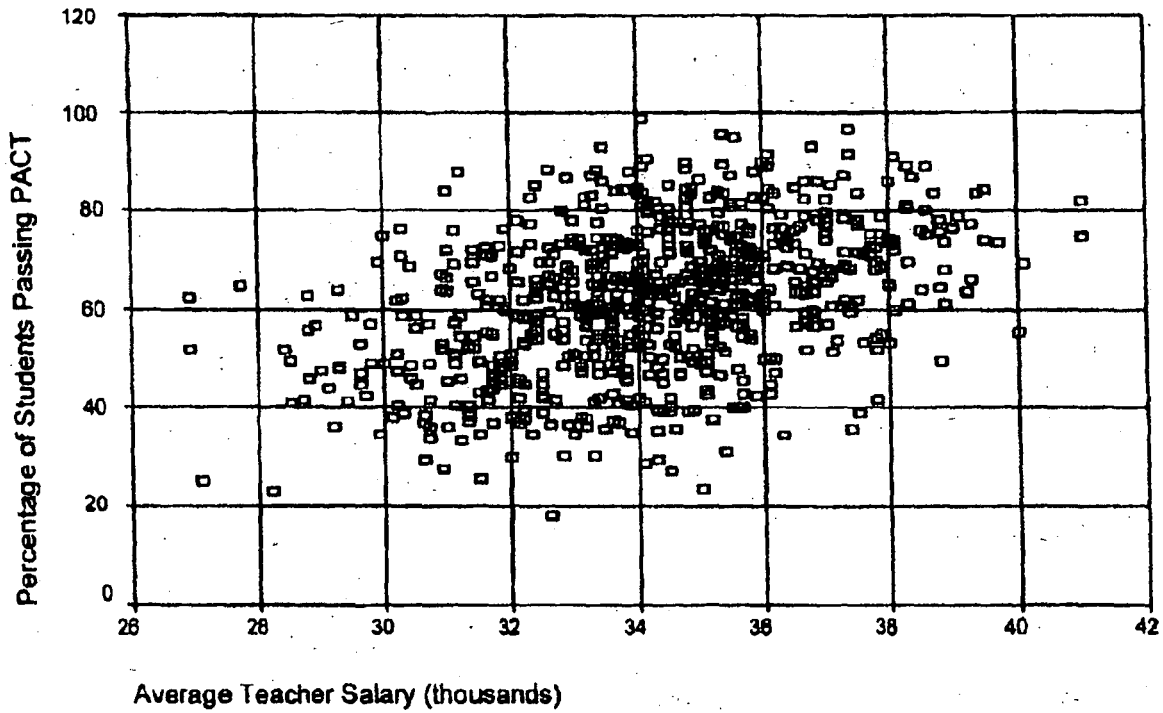



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# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty



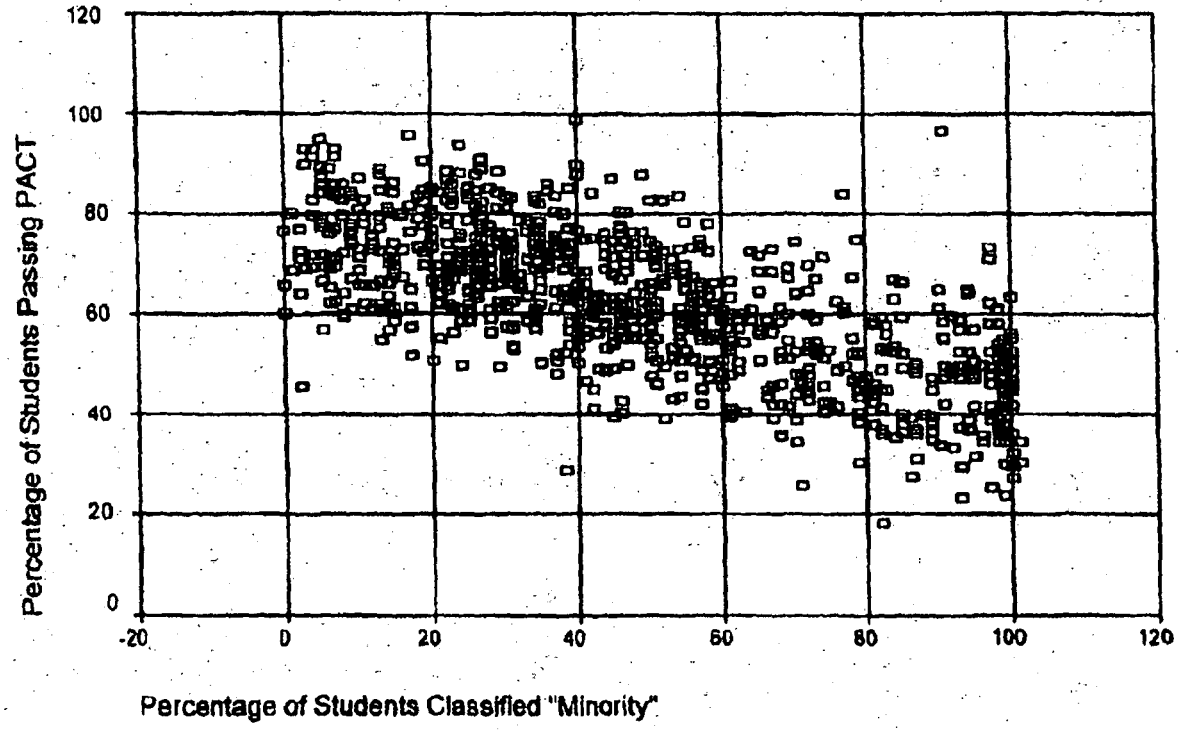

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# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

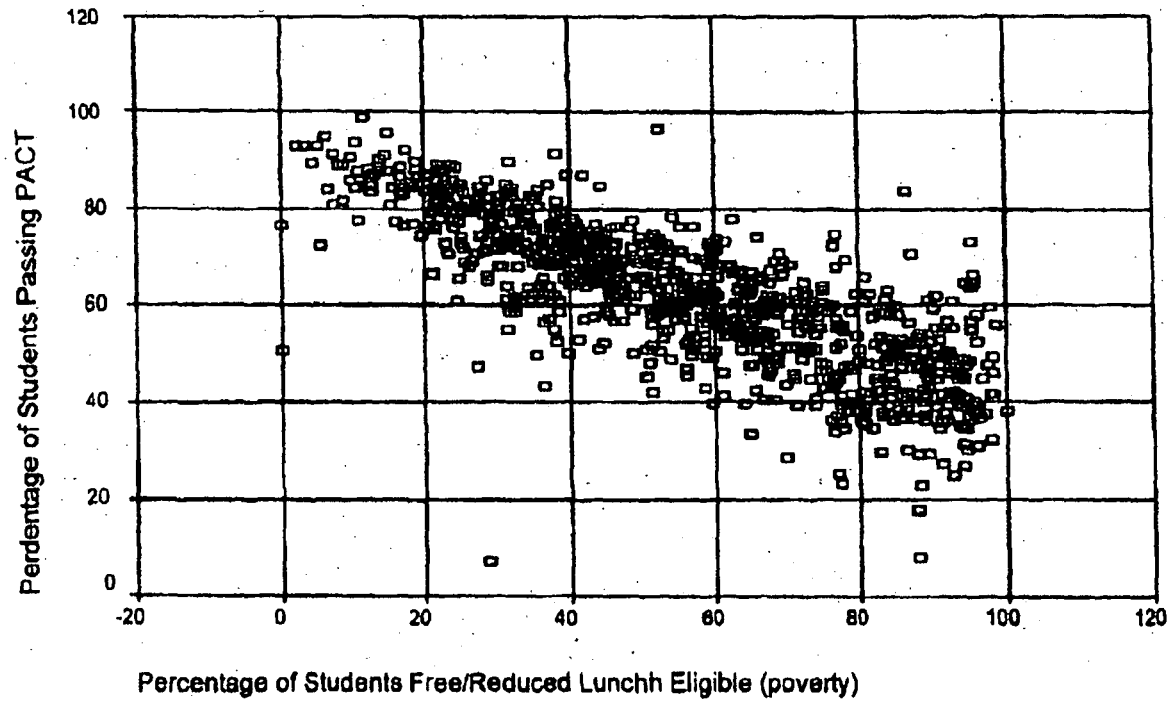



Last Updated: January 28, 2003

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# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty




Last Updated: January 28, 2003

REC026806
EXP/PLT-GH-0032
PLT_1458.0009

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

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*Last Updated January 28, 2003*

REC026807

EXP/PLT-GH-0033

PLT_1458.0010

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

### Analyses of 2001 School Report Cards—Elementary & Middle Schools

**Issue:** **Can teacher, administration, and student effort be understood as sufficient to explain differences between "excellent" and "unsatisfactory" school?**

| *Factor* | *Ratings Category* | *Average* | *t statistic* | *Significance* |
|---|---|---|---|---|
| ***Percentage of test-takers enrolled in free- or reduced-lunch program*** | **Unsatisfactory** | **78.83** | 14.92 | 0.000 |
| | **Excellent** | **32.04** | | |
| ***Percentage of test-takers "non-white"*** | **Unsatisfactory** | **72.74** | 12.93 | 0.000 |
| | **Excellent** | **30.81** | | |
| ***Percentage of teachers with "advanced training"*** | **Unsatisfactory** | **43.79** | -5.53 | 0.000 |
| | **Excellent** | **52.52** | | |
| ***Average teacher salary, in thousands*** | **Unsatisfactory** | **36.49** | -5.93 | 0.000 |
| | **Excellent** | **38.43** | | |

*Last Updated: January 28, 2003*

REC026808

EXP/PLT-GH-034

PLT_1458.0011

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

**Analyses of 2001 School Report Cards—Elementary & Middle Schools**

**These statistically significant differences are based on "composite scores"**

- **Consideration of "improvement" helped numerous schools escape the "unsatisfactory" cellar**
- **Facts:**
  - **"Excellent" Schools with more than 50% Enrolled in Free / Reduced:**

**20%**

  - **"Unsatisfactory" Schools with more than 50% Enrolled in Free / Reduced:**

**92%**

- **For every "excellent" high-poverty elementary and middle school, we have about a dozen "unsatisfactory" or "below average" schools.**

*Last Updated January 25, 2002*

REC026809

EXP/PLT-GH-0035

PLT_1458.0012

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

**Analyses of 2001 School Report Cards—Elementary & Middle Schools**

**Issue:** **Can teacher, administration, and student effort be understood as sufficient to explain differences between "excellent" and "unsatisfactory" schools?**

**Conclusion:** **ABSOLUTELY NOT. For causation to be determined and attributed, there must be no significant alternative explanation.**

- **Our most needy students have the lowest paid, least experienced, least trained teachers.**

[redacted]

REC026810

EXP/PLT-55-0036

PLT_1458.0013

# UNDERSTANDING "POOR" PERFORMANCE

## PACT Scores and Poverty

**Mounting Evidence of Inequity:**

- Hawkins:
  - Teacher Training—Inequity
  - Teacher Pay—Inequity
  - Negative Consequences of Report Card System—Inequity
  - Poverty and Performance—Inequity
    - Variation Explained = 62.3%
    - State claims gap is closing
- **Conclusion: Opportunity not "equitable"**

- Miley et al:
  - Teacher Training—Inequity
  - Teacher Pay—Inequity
  - Negative Consequences of Report Card System—Inequity
  - Poverty and Performance—Inequity
    - Variation Explained = 66%-70%
    - State claims gap is closing!
  - Transportation Costs—Inequity
    - $, Time
- **Conclusion: Opportunity not "equitable"**



REC026811

EXP/PLT-GH-0037

PLT_1458.0014

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

## Other Issues:

- **Penalties and Social Justice**
  - **Colinearity of Race and Poverty**
  - **Cycles of Poverty; Pervasive Poverty; Culture**
- **Unintended Consequences**
- **Poverty masquerading as "Special Needs"**
- **"Progress" Issues**
  - **Test Changes**
  - **Off-Grade Testing**
  - **School Size**
- **Criterion-Referenced Tests and Normative Treatment of Data**
- **Philosophy versus Empirical Evidence**
- **"Minimally Adequate" as a Situational Construct**



REC026812
EXH/PLT-GH-0038
PLT_1458.0015

# UNDERSTANDING "POOR" PERFORMANCE:

## PACT Scores and Poverty

## Other Issues:

- A Priori Gaps
- PACT "Basic" as Operational Definition of "Minimally Adequate"
- Logarithmic Models
  - High Performing Schools & Improvement
- Unsustained Support—Unsustained Improvement Trends (evidence)
- Poverty not as Excuse—Poverty as Strongest Empirical Indicator & Predictor
- State must accept that adequate opportunity requires varying levels of support in varying contexts



REC026813

EXP/PET-GH-0039

PLT_1458.0016

APPENDIX TABLE C-4 (Continued)

| Acct. # | Function | Object | Minimum All | Minimum Non 0 | Maximum All | Average All | Average Non 0 | Median (All) | Coeff. of Var. All | Coeff. of Var. Non 0 |
|---|---|---|---|---|---|---|---|---|---|---|
| 262 | 1 Reserch. & Eval. | Salaries | $ .00 | $ .02 ( 9) | $ 3.81 | $ .11 | $ 1.16 | $ .00 | 4.909 | 1.216 |
| 262 | 2 Reserch. & Eval. | Benefits | $ .00 | $ .00 ( 5) | $ 1.51 | $ .02 | $ .44 | $ .00 | 8.000 | 1.386 |
| 262 | 3 Reserch. & Eval. | Purch. Serv. | $ .00 | $ .09 ( 9) | $ 35.74 | $ .45 | $ 4.64 | $ .00 | 8.311 | 2.522 |
| 262 | 4 Reserch. & Eval. | Supp. & Mat. | $ .00 | $ .01 (15) | $ 14.33 | $ .27 | $ 1.68 | $ .00 | 6.630 | 2.548 |
| 262 | 5 Reserch. & Eval. | Cap. Outlay | $ .00 | $ .04 ( 4) | $ .27 | $ .01 | $ .17 | $ .00 | 4.000 | .706 |
| 262 | 6 Reserch. & Eval. | Other | $ .00 | $ .06 ( 1) | $ .06 | $ .00 | $ .06 | $ .00 | 9.999 | .000 |
| 262 | Reserch. & Eval. | All (1-6) | $ .00 | $ .04 (16) | $ 45.37 | $ .87 | $ 5.02 | $ .00 | 5.736 | 2.261 |
| 263 | 1 Inform. Serv. | Salaries | $ .00 | $ .04 ( 1) | $ .04 | $ .00 | $ .04 | $ .00 | 9.999 | .000 |
| 263 | 2 Inform. Serv. | Benefits | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 263 | 3 Inform. Serv. | Purch. Serv. | $ .00 | $ .03 ( 2) | $ 2.96 | $ .03 | $ 1.50 | $ .00 | 9.999 | 1.387 |
| 263 | 4 Inform. Serv. | Supp. & Mat. | $ .00 | $ .20 ( 3) | $ 1.87 | $ .02 | $ .76 | $ .00 | 9.999 | 1.263 |
| 263 | 5 Inform. Serv. | Cap. Outlay | $ .00 | $ 1.06 ( 1) | $ 1.06 | $ .01 | $ 1.06 | $ .00 | 9.999 | .000 |
| 263 | 6 Inform. Serv. | Other | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 263 | Inform. Serv. | All (1-6) | $ .00 | $ .27 ( 3) | $ 4.84 | $ .07 | $ 2.13 | $ .00 | 7.429 | 1.127 |
| 264 | 1 Staff Serv. | Salaries | $ .00 | $ .08 ( 4) | $ 14.56 | $ .21 | $ 4.73 | $ .00 | 7.381 | 1.414 |
| 264 | 2 Staff Serv. | Benefits | $ .00 | $ .01 ( 5) | $ 17.07 | $ .20 | $ 3.64 | $ .00 | 8.900 | 2.066 |
| 264 | 3 Staff Serv. | Purch. Serv. | $ .00 | $ .10 ( 8) | $ 4.00 | $ .13 | $ 1.47 | $ .00 | 4.231 | .898 |
| 264 | 4 Staff Serv. | Supp. & Mat. | $ .00 | $ .01 ( 6) | $ 1.91 | $ .03 | $ .48 | $ .00 | 7.000 | 1.542 |
| 264 | 5 Staff Serv. | Cap. Outlay | $ .00 | $ .02 ( 2) | $ .64 | $ .01 | $ .33 | $ .00 | 7.000 | 1.333 |
| 264 | 6 Staff Serv. | Other | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 264 | Staff Serv. | All (1-6) | $ .00 | $ .08 (13) | $ 18.15 | $ .57 | $ 4.03 | $ .00 | 4.404 | 1.420 |
| 265 | 1 Statist. Serv. | Salaries | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 265 | 2 Statist. Serv. | Benefits | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 265 | 3 Statist. Serv. | Purch. Serv. | $ .00 | $ .00 ( 1) | $ .00 | $ .00 | $ .00 | $ .00 | 9.999 | .000 |
| 265 | 4 Statist. Serv. | Supp. & Mat. | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 265 | 5 Statist. Serv. | Cap. Outlay | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 265 | 6 Statist. Serv. | Other | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 265 | Statist. Serv. | All (1-6) | $ .00 | $ .00 ( 1) | $ .00 | $ .00 | $ .00 | $ .00 | 9.999 | .000 |

REC027048
EXP/PLT-JM-1141
PLT_1511-0163

APPENDIX TABLE C-4 (Continued)

| Acct. # | Function | Object | Minimum All | Minimum Non 0 | Maximum All | Average All | Average Non 0 | Median (All) | Coeff. of Var. All | Coeff. of Var. Non 0 |
|---|---|---|---|---|---|---|---|---|---|---|
| 266 1 | Data Process. | Salaries | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 266 2 | Data Process. | Benefits | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 266 3 | Data Process. | Purch. Serv. | $ .00 | $ .09 ( 2) | $ .13 | $ .00 | $ .11 | $ .00 | 9.999 | 1.273 |
| 266 4 | Data Process. | Supp. & Mat. | $ .00 | $ .13 ( 1) | $ .13 | $ .00 | $ .13 | $ .00 | 9.999 | .000 |
| 266 5 | Data Process. | Cap. Outlay | $ .00 | $ .03 (19) | $ 14.05 | $ .71 | $ 3.43 | $ .00 | 3.169 | 1.157 |
| 266 6 | Data Process. | Other | $ .00 | $ 1.00 ( 1) | $ 1.00 | $ .01 | $ 1.00 | $ .00 | 9.999 | .000 |
| 266 | Data Process. | All (1-6) | $ .00 | $ .03 (22) | $ 14.05 | $ .72 | $ 3.03 | $ .00 | 3.125 | 1.267 |
| 320 1 | Recreation | Salaries | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 320 2 | Recreation | Benefits | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 320 3 | Recreation | Purch. Serv. | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 320 4 | Recreation | Supp. & Mat. | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 320 5 | Recreation | Cap. Outlay | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 320 6 | Recreation | Other | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 320 | Recreation | All (1-6) | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 330 1 | Civic Comm. Serv. | Salaries | $ .00 | $ .05 ( 1) | $ .05 | $ .00 | $ .05 | $ .00 | 9.999 | .000 |
| 330 2 | Civic Comm. Serv. | Benefits | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 330 3 | Civic Comm. Serv. | Purch. Serv. | $ .00 | $ .02 ( 5) | $ .44 | $ .01 | $ .14 | $ .00 | 5.000 | 1.286 |
| 330 4 | Civic Comm. Serv. | Supp. & Mat. | $ .00 | $ .02 ( 7) | $ .33 | $ .01 | $ .10 | $ .00 | 4.000 | 1.100 |
| 330 5 | Civic Comm. Serv. | Cap. Outlay | $ .00 | $ .02 ( 2) | $ .63 | $ .01 | $ .32 | $ .00 | 7.000 | 1.344 |
| 330 6 | Civic Comm. Serv. | Other | $ .00 | $ .01 ( 3) | $ .11 | $ .00 | $ .05 | $ .00 | 9.999 | 1.000 |
| 330 | Civic Comm. Serv. | All (1-6) | $ .00 | $ .01 (11) | $ .63 | $ .02 | $ .21 | $ .00 | 4.500 | .952 |
| 350 1 | Care of Children | Salaries | $ .00 | $ .24 (51) | $ 20.12 | $ 4.14 | $ 7.47 | $ .00 | 1.261 | .660 |
| 350 2 | Care of Children | Benefits | $ .00 | $ .04 (31) | $ 3.28 | $ .47 | $ 1.40 | $ .00 | 1.787 | .643 |
| 350 3 | Care of Children | Purch. Serv. | $ .00 | $ .01 (36) | $ 1.05 | $ .08 | $ .21 | $ .00 | 2.000 | 1.000 |
| 350 4 | Care of Children | Supp. & Mat. | $ .00 | $ .01 (42) | $ 4.19 | $ .61 | $ 1.34 | $ .00 | 1.590 | .791 |
| 350 5 | Care of Children | Cap. Outlay | $ .00 | $ .01 (31) | $ 4.63 | $ .31 | $ .91 | $ .00 | 2.387 | 1.154 |
| 350 6 | Care of Children | Other | $ .00 | $ .04 ( 3) | $ .16 | $ .00 | $ .10 | $ .00 | 9.999 | .600 |
| 350 | Care of Children | All (1-6) | $ .00 | $ .16 (54) | $ 25.19 | $ 5.62 | $ 9.57 | $ 1.76 | 1.269 | .730 |

REC027049
EXP/PLT-JM-1142
PLT_1511-0164

APPENDIX TABLE C-4 (Continued)

| Acct. # | Function | Object | Minimum All | Minimum Non 0 | Maximum All | Average All | Average Non 0 | Median (All) | Coeff. of Var. All | Coeff. of Var. Non 0 |
|---|---|---|---|---|---|---|---|---|---|---|
| 360 1 | Welfare | Salaries | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 360 2 | Welfare | Benefits | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 360 3 | Welfare | Purch. Serv. | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 360 4 | Welfare | Supp. & Mat. | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 360 5 | Welfare | Cap. Outlay | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 360 6 | Welfare | Other | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 360 | Welfare | All (1-6) | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 370 1 | Nonpub. Sch. Serv. | Salaries | $ .00 | $ 1.22 ( 2) | $ 2.14 | $ .04 | $ 1.68 | $ .00 | 6.500 | .393 |
| 370 2 | Nonpub. Sch. Serv. | Benefits | $ .00 | $ .06 ( 2) | $ .91 | $ .01 | $ .49 | $ .00 | 9.999 | 1.224 |
| 370 3 | Nonpub. Sch. Serv. | Purch. Serv. | $ .00 | $ .01 ( 1) | $ .00 | $ .00 | $ .00 | $ .00 | 9.999 | .000 |
| 370 4 | Nonpub. Sch. Serv. | Supp. & Mat. | $ .00 | $ .01 ( 1) | $ .00 | $ .00 | $ .00 | $ .00 | 9.999 | .000 |
| 370 5 | Nonpub. Sch. Serv. | Cap. Outlay | $ .00 | $ .01 ( 1) | $ .01 | $ .00 | $ .01 | $ .00 | 9.999 | .000 |
| 370 6 | Nonpub. Sch. Serv. | Other | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 370 | Nonpub. Sch. Serv. | All (1-6) | $ .00 | $ .02 ( 3) | $ 3.06 | $ .05 | $ 1.45 | $ .00 | 6.800 | 1.055 |
| 390 1 | Other Comm. Serv. | Salaries | $ .00 | $ .00 ( 2) | $ .17 | $ .00 | $ .08 | $ .00 | 9.999 | 1.500 |
| 390 2 | Other Comm. Serv. | Benefits | $ .00 | $ .00 ( 1) | $ .00 | $ .00 | $ .00 | $ .00 | 9.999 | .000 |
| 390 3 | Other Comm. Serv. | Purch. Serv. | $ .00 | $ .02 ( 4) | $ .44 | $ .01 | $ .22 | $ .00 | 5.000 | .773 |
| 390 4 | Other Comm. Serv. | Supp. & Mat. | $ .00 | $ .02 ( 8) | $ .36 | $ .02 | $ .21 | $ .00 | 3.500 | .667 |
| 390 5 | Other Comm. Serv. | Cap. Outlay | $ .00 | $ .00 ( 0) | $ .00 | $ .00 | $ .00 | $ .00 | .000 | .000 |
| 390 6 | Other Comm. Serv. | Other | $ .00 | $ .15 ( 3) | $ 17.60 | $ .20 | $ 5.98 | $ .00 | 9.150 | 1.682 |
| 390 | Other Comm. Serv. | All (1-6) | $ .00 | $ .03 (14) | $ 17.60 | $ .22 | $ 1.47 | $ .00 | 8.318 | 3.156 |

Per pupil figures for functions 141 through 390 are shown based on total ADM counts.

REC027050
EXP/PLT-JM-1143
PLT_1511-0165

## APPENDIX TABLE D-1

### 1989-90 GENERAL FUND REGRESSION RESULTS

| Acct. # | Function | Object | Wealth B Value | Wealth X 10 | ADM B Value | ADM X 10 | ADM$^2$ B Value | ADM$^2$ X 10 | Constant | $R^2$ | Value at Median |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 111 4 | Kindergarten | Supp. & Mat. | 7.638 | -4 | | | | | 16.48 | .07 | $ 22.56 |
| 111 5 | Kindergarten | Cap. Outlay | | | -6.751 | -4 | | | 14.09 | .12 | $ 11.63 |
| 112 1 | Primary | Salaries | 2.171 | -2 | | | -4.032 | -7 | 1,351.52 | .17 | $1,518.95 |
| 112 4 | Primary | Supp. & Mat. | 9.781 | -4 | | | | | 25.82 | .06 | $ 33.61 |
| 112 | Primary | All (1-6) | 2.609 | -2 | | | -5.129 | -7 | 1,684.69 | .17 | $1,885.52 |
| 113 1 | Elementary | Salaries | 1.936 | -2 | | | | | 1,173.34 | .19 | $1,327.44 |
| 113 2 | Elementary | Benefits | 3.198 | -3 | | | | | 255.34 | .11 | $ 280.79 |
| 113 4 | Elementary | Supp. & Mat. | 8.068 | -4 | | | | | 21.39 | .07 | $ 27.81 |
| 113 | Elementary | All (1-6) | 2.338 | -2 | | | | | 1,463.66 | .18 | $1,649.75 |
| 114 1 | High School | Salaries | | | -3.104 | -1 | 8.878 | -6 | 4,897.22 | .20 | $3,882.64 |
| 114 2 | High School | Benefits | | | -6.828 | -2 | 1.857 | -6 | 1,065.41 | .21 | $ 840.95 |
| 114 3 | High School | Purch. Serv. | | | -4.743 | -3 | 1.415 | -7 | 43.55 | .13 | $ 28.12 |
| 114 4 | High School | Supp. & Mat. | | | -2.045 | -3 | | | 97.14 | .06 | $ 104.60 |
| 114 | High School | All (1-6) | | | -3.919 | -1 | 1.113 | -5 | 6,164.40 | .21 | $4,882.37 |
| 115 3 | Vocational | Purch. Serv. | 1.720 | -2 | -1.032 | -2 | | | .00 | .12 | $ 99.24 |
| 115 4 | Vocational | Supp. & Mat. | 1.368 | -3 | | | | | 23.47 | .11 | $ 34.36 |
| 115 | Vocational | All (1-6) | 2.524 | -2 | -1.319 | -2 | | | 807.49 | .12 | $ 960.66 |

NOTE: Regressions use per pupil values for expenditures as the dependent variables and per pupil wealth, ADM, and ADM$^2$ as the independent variables. Charleston, Greenville, and York 2 are excluded from consideration due to either extremely high per pupil wealth or ADM. An independent variable was only included if it met a .05 level of significance. The figures under the "X 10" columns are the powers of ten associated with a B value.

REC027051
EXP/PLT-JM-1144
PLT_1511-0166

APPENDIX TABLE D-1 (Continued)

| Acct. # | | Function | Object | Wealth B Value | Wealth X 10 | ADM B Value | ADM X 10 | ADM$^2$ B Value | ADM$^2$ X 10 | Constant | $R^2$ | Value at Median |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 121 | 1 | Educ. Ment. Hnd. | Salaries | 7.774 | -2 | | | | | 2,198.87 | .08 | $2,817.64 |
| 121 | 2 | Educ. Ment. Hnd. | Benefits | | | 1.256 | -2 | | | 548.24 | .07 | $ 394.08 |
| 121 | 4 | Educ. Ment. Hnd. | Supp. & Mat. | 1.402 | -3 | | | | | 13.45 | .10 | $ 24.61 |
| 121 | | Educ. Ment. Hnd. | All (1-6) | 9.883 | -2 | | | | | 2,677.82 | .09 | $3,464.46 |
| 124 | 3 | Visually Hand. | Purch. Serv. | | | -5.427 | -1 | 1.493 | -5 | 4,337.25 | .35 | $2,355.49 |
| 126 | 1 | Speech Hand. | Salaries | 1.596 | -2 | | | | | 332.79 | .25 | $ 459.82 |
| 126 | 2 | Speech Hand. | Benefits | 2.741 | -3 | | | | | 75.96 | .17 | $ 97.78 |
| 126 | | Speech Hand. | All (1-6) | 1.739 | -2 | | | | | 430.50 | .16 | $ 568.92 |
| 127 | 1 | Learning Disabil. | Salaries | 3.560 | -2 | | | | | 1,022.20 | .13 | $1,305.56 |
| 127 | 2 | Learning Disabil. | Benefits | 7.342 | -3 | | | | | 216.39 | .10 | $ 274.83 |
| 127 | 4 | Learning Disabil. | Supp. & Mat. | 6.220 | -4 | | | | | 7.93 | .07 | $ 12.88 |
| 127 | | Learning Disabil. | All (1-6) | 5.083 | -2 | | | | | 1,147.27 | .15 | $1,551.85 |
| 128 | 1 | Emotionally Hand. | Salaries | | | 4.369 | -2 | | | 2,048.07 | .05 | $2,207.52 |
| 128 | | Emotionally Hand. | All (1-6) | | | 2.128 | -1 | -6.632 | -6 | 2,000.06 | .12 | $2,688.36 |
| 129 | 3 | Homebound | Purch. Serv. | | | | | 3.349 | -7 | 177.85 | .09 | $ 182.31 |
| 141 | 1 | G&T Academic | Salaries | | | | | 1.465 | -8 | 4.52 | .08 | $ 4.72 |
| 141 | 2 | G&T Academic | Benefits | 1.499 | -4 | -3.614 | -4 | 1.594 | -8 | .00 | .36 | $ .08 |
| 141 | 3 | G&T Academic | Purch. Serv. | | | | | 1.954 | -9 | .53 | .16 | $ .56 |
| 141 | | G&T Academic | All (1-6) | 6.337 | -4 | -9.960 | -4 | 5.556 | -8 | .00 | .23 | $ 2.14 |
| 142 | | Disadvantaged | All (1-6) | | | 7.009 | -5 | | | .00 | .05 | $ .26 |

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EXP/PLT-JM-1145
PLT_1511-0167

APPENDIX TABLE D-1 (Continued)

| Acct. # | | Function | Object | Health B Value | Health X 10 | ADM B Value | ADM X 10 | ADM$^2$ B Value | ADM$^2$ X 10 | Constant | $R^2$ | Value at Median |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 143 | 1 | Compen. Educ. | Salaries | | | -9.606 | -4 | 4.923 | -8 | 6.94 | .18 | $ 4.09 |
| 143 | | Compen. Educ. | All (1-6) | | | -8.426 | -4 | 5.125 | -8 | 4.69 | .14 | $ 2.29 |
| 145 | 2 | Remed. Educ. | Benefits | | | -1.096 | -4 | | | 2.25 | .09 | $ 1.85 |
| 148 | | G&T Artistic | All (1-6) | 2.354 | -5 | | | | | .00 | .05 | $ .19 |
| 149 | 1 | Oth. Spec. Prog. | Salaries | 8.455 | -4 | | | | | .00 | .16 | $ 6.73 |
| 149 | 2 | Oth. Spec. Prog. | Benefits | 1.200 | -4 | | | | | .00 | .21 | $ .96 |
| 149 | | Oth. Spec. Prog. | All (1-6) | 7.965 | -4 | | | | | -4.10 | .17 | $ 2.24 |
| 171 | | Prim. Sum. Sch. | All (1-6) | 6.256 | -5 | | | | | -.40 | .17 | $ .10 |
| 173 | | H/S Sum. Sch. | All (1-6) | | | 1.229 | -4 | | | 1.17 | .06 | $ 1.62 |
| 182 | | Adult. Sec. Ed. | All (1-6) | | | 1.095 | -4 | | | .00 | .13 | $ .40 |
| 211 | 1 | Attnd. & Soc. Wrk. | Salaries | 3.764 | -4 | | | | | 3.94 | .08 | $ 6.94 |
| 211 | 2 | Attnd. & Soc. Wrk. | Benefits | 8.756 | -5 | | | | | .92 | .08 | $ 1.62 |
| 211 | | Attnd. & Soc. Wrk. | All (1-6) | 6.515 | -4 | | | | | .00 | .13 | $ 5.19 |
| 212 | 1 | Guidance | Salaries | 9.274 | -4 | | | | | 54.62 | .09 | $ 62.00 |
| 212 | 2 | Guidance | Benefits | 1.758 | -4 | | | | | 11.41 | .06 | $ 12.81 |
| 212 | | Guidance | All (1-6) | 1.005 | -3 | | | | | 68.78 | .07 | $ 76.78 |
| 214 | 1 | Psych. Serv. | Salaries | 4.175 | -4 | | | | | 4.70 | .11 | $ 8.02 |
| 214 | 2 | Psych. Serv. | Benefits | 8.756 | -5 | | | | | 1.03 | .11 | $ 1.73 |
| 214 | | Psych. Serv. | All (1-6) | 5.582 | -4 | 3.898 | -4 | | | .00 | .27 | $ 5.87 |

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EXP/PLT-JM-1146
PLT_1511-0168

APPENDIX TABLE D-1 (Continued)

| Acct. # | Function | Object | Health B Value | X 10 | ADM B Value | X 10 | ADM$^2$ b Value | X 10 | Constant | $R^2$ | Value at Median |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 216 2 | Placement Serv. | Benefits | | | | | 2.945 | -9 | .44 | .42 | $ .48 |
| 216 3 | Placement Serv. | Purch. Serv. | 8.494 | -6 | | | | | .00 | .27 | $ .07 |
| 221 1 | Imprv. of Instr. | Salaries | 1.499 | -3 | | | | | 16.70 | .11 | $ 28.63 |
| 221 2 | Imprv. of Instr. | Benefits | 2.996 | -4 | | | | | 3.50 | .11 | $ 5.88 |
| 221 | Imprv. of Instr. | All (1-6) | | | 5.094 | -3 | -1.449 | -7 | 22.44 | .20 | $ 39.10 |
| 222 4 | Educ. Media | Supp. & Mat. | 4.285 | -4 | | | | | 4.48 | .13 | $ 7.89 |
| 222 5 | Educ. Media | Cap. Outlay | 1.851 | -4 | | | -3.726 | -9 | .00 | .16 | $ 1.42 |
| 222 | Educ. Media | All (1-6) | 9.669 | -4 | | | | | 78.29 | .05 | $ 85.99 |
| 231 3 | Board of Educ. | Purch. Serv. | | | -1.425 | -3 | 4.898 | -8 | 13.24 | .16 | $ 8.69 |
| 231 6 | Board of Educ. | Other | 9.772 | -4 | -2.276 | -3 | 5.933 | -8 | 11.56 | .29 | $ 11.82 |
| 232 1 | Offc. of Supt. | Salaries | | | -8.722 | -3 | 2.813 | -7 | 72.48 | .55 | $ 44.40 |
| 232 2 | Offc. of Supt. | Benefits | | | -1.293 | -3 | 4.025 | -8 | 13.62 | .17 | $ 9.44 |
| 232 3 | Offc. of Supt. | Purch. Serv. | | | -6.153 | -4 | 2.003 | -8 | 6.23 | .12 | $ 4.25 |
| 232 4 | Offc. of Supt. | Supp. & Mat. | -1.420 | -4 | | | | | 3.71 | .06 | $ 2.58 |
| 232 5 | Offc. of Supt. | Cap. Outlay | | | -6.839 | -4 | 3.160 | -8 | 4.20 | .28 | $ 2.12 |
| 232 | Offc. of Supt. | All (1-6) | | | -1.155 | -2 | 3.812 | -7 | 100.77 | .49 | $ 63.70 |
| 233 1 | School Admin. | Salaries | 2.198 | -3 | | | | | 164.14 | .16 | $ 181.63 |
| 233 2 | School Admin. | Benefits | 3.676 | -4 | | | | | 35.49 | .08 | $ 38.42 |
| 233 | School Admin. | All (1-6) | 3.383 | -3 | -1.476 | -3 | | | 210.34 | .16 | $ 231.88 |
| 252 1 | Fiscal Serv. | Salaries | 7.380 | -4 | -2.017 | -3 | 5.228 | -8 | 27.22 | .17 | $ 26.43 |
| 252 | Fiscal Serv. | All (1-6) | 1.447 | -3 | -1.078 | -3 | | | 29.43 | .15 | $ 37.03 |

REC027054
EXP/PLT-JM-1147
PLT_1511-0169

APPENDIX TABLE D-1 (Continued)

| Acct. # | | Function | Object | Wealth B Value | X 10 | ADM B Value | X 10 | ADM$^2$ B Value | X 10 | Constant | $R^2$ | Value at Median |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 254 | 1 | Plant Op. & Mnt. | Salaries | | | 2.712 | -3 | | | 80.27 | .23 | $ 90.17 |
| 254 | 2 | Plant Op. & Mnt. | Benefits | | | 4.055 | -4 | | | 20.13 | .08 | $ 21.61 |
| 254 | 3 | Plant Op. & Mnt. | Purch. Serv. | 5.273 | -3 | -2.070 | -3 | | | 137.93 | .20 | $ 172.35 |
| 254 | | Plant Op. & Mnt. | All (1-6) | 5.776 | -3 | | | | | 288.00 | .15 | $ 333.97 |
| 256 | 2 | Food Services | Benefits | | | -6.146 | -4 | | | 25.05 | .16 | $ 22.81 |
| 256 | | Food Services | All (1-6) | | | -7.321 | -4 | | | 20.73 | .13 | $ 18.06 |
| 257 | 1 | Internal Serv. | Salaries | | | | | 1.298 | -8 | 6.64 | .18 | $ 6.81 |
| 257 | 3 | Internal Serv. | Purch. Serv. | | | | | 1.021 | -8 | 1.89 | .19 | $ 2.05 |
| 257 | | Internal Serv. | All (1-6) | | | 8.049 | -4 | | | .00 | .23 | $ 2.94 |
| 262 | | Reserch. & Eval. | All (1-6) | 4.241 | -4 | | | | | .00 | .06 | $ 3.38 |
| 263 | | Inform. Serv. | All (1-6) | | | 2.474 | -4 | | | 1.60 | .10 | $ 2.50 |
| 264 | 2 | Staff Serv. | Benefits | | | 1.725 | -4 | | | .00 | .11 | $ .63 |
| 264 | | Staff Serv. | All (1-6) | | | 2.774 | -3 | -8.573 | -8 | .00 | .26 | $ 9.15 |
| 266 | 4 | Data Process. | Supp. & Mat. | 7.839 | -5 | -7.704 | -5 | | | .96 | .21 | $ 1.30 |
| 266 | 5 | Data Process. | Cap. Outlay | 9.884 | -4 | | | | | -6.44 | .28 | $ 1.43 |
| 266 | | Data process. | All (1-6) | 4.191 | -4 | | | | | .00 | .05 | $ 3.34 |
| 350 | 2 | Care of Children | Benefits | | | -1.438 | -4 | | | 3.13 | .09 | $ 2.61 |

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EXP/PLT-JM-1148
PLT_1511-0170

APPENDIX TABLE D-2

1989-90 B.I.A. FUND REGRESSION RESULTS

| Acct. # | | Function | Object | Wealth B Value | Wealth X 10 | ADM B Value | ADM X 10 | ADM$^2$ B Value | ADM$^2$ X 10 | Constant | $R^2$ | Value at Median |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 111 | 4 | Kindergarten | Supp. & Mat. | | | -9.907 | -3 | 2.958 | -7 | 74.44 | .43 | $ 42.22 |
| 114 | 4 | High School | Supp. & Mat. | | | -6.186 | -3 | 1.944 | -7 | 49.88 | .11 | $ 29.89 |
| 114 | | High School | All (1-6) | -1.402 | -2 | | | | | 423.79 | .06 | $ 312.20 |
| 115 | 5 | Vocational | Cap. Outlay | | | -1.622 | -2 | 4.364 | -7 | 171.93 | .23 | $ 118.54 |
| 126 | 1 | Speech Hand. | Salaries | | | -1.159 | -3 | | | 43.45 | .15 | $ 39.22 |
| 141 | 1 | G&T Academic | Salaries | 4.680 | -4 | | | | | 16.26 | .05 | $ 19.99 |
| 141 | 2 | G&T Academic | Benefits | 1.201 | -4 | | | | | 2.63 | .08 | $ 3.59 |
| 141 | | G&T Academic | All (1-6) | 8.327 | -4 | | | | | 17.24 | .08 | $ 23.87 |
| 142 | | Disadvantaged | All (1-6) | | | -5.175 | -5 | 3.753 | -9 | .00 | .32 | $ .00 |
| 145 | 1 | Remed. Educ. | Salaries | | | -6.693 | -4 | | | 35.76 | .05 | $ 33.32 |

NOTE: Regressions use per pupil values for expenditures as the dependent variables and per pupil wealth, ADM, and ADM$^2$ as the independent variables. Charleston, Greenville, and York 2 are excluded from consideration due to either extremely high per pupil wealth or ADM. An independent variable was only included if it met a .05 level of significance. The figures under the "X 10" columns are the powers of ten associated with a B value.

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EXP/PLT-JM-1149
PLT_1511-0171

APPENDIX TABLE D-2 (Continued)

| Acct. # | | Function | Object | Wealth | | ADM | | ADM$^2$ | | Constant | $R^2$ | Value at Median | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | B Value | X 10 | B Value | X 10 | B Value | X 10 | | | | |
| 148 | 3 | G&T Artistic | Purch. Serv. | | | -6.798 | -5 | | | 1.91 | .13 | $ | 1.66 |
| 148 | 4 | G&T Artistic | Supp. & Mat. | | | -1.883 | -4 | 5.782 | -9 | 1.50 | .33 | $ | .89 |
| 148 | 5 | G&T Artistic | Cap. Outlay | -6.161 | -5 | | | | | 1.05 | .26 | $ | .56 |
| 149 | | Oth. Spec. Prog. | All (1-6) | | | | | 8.067 | -9 | .00 | .05 | $ | .11 |
| 252 | | Fiscal Serv. | All (1-6) | 8.219 | -6 | | | 4.124 | -10 | -.08 | .19 | $ | .00 |
| 257 | | Internal Serv. | All (1-6) | | | -1.669 | -7 | 1.177 | -11 | .00 | .34 | $ | .00 |
| 262 | 3 | Reserch. & Eval. | Purch. Serv. | | | -4.948 | -4 | 1.479 | -8 | 3.53 | .43 | $ | 1.93 |
| 350 | 1 | Care of Children | Salaries | | | -2.763 | -3 | 8.409 | -8 | 32.57 | .31 | $ | 23.61 |
| 350 | 2 | Care of Children | Benefits | | | -6.539 | -4 | 2.068 | -8 | 7.13 | .35 | $ | 5.02 |
| 350 | 4 | Care of Children | Supp. & Mat. | | | -4.921 | -4 | 1.454 | -8 | 4.70 | .27 | $ | 3.09 |
| 350 | 5 | Care of Children | Cap. Outlay | | | -5.856 | -5 | | | 1.68 | .09 | $ | 1.47 |
| 350 | | Care of Children | All (1-6) | -1.202 | -3 | | | | | 33.12 | .09 | $ | 23.55 |
| 390 | 4 | Other Comm. Serv. | Supp. & Mat. | | | -3.474 | -5 | 9.407 | -10 | .35 | .39 | $ | .23 |

REC027057
EXP/PLT-JM-1150
PLT_1511-0172

APPENDIX TABLE D-3

1985-86 GENERAL FUND REGRESSION RESULTS

| Acct. # | | Function | Object | Wealth B Value | Wealth X 10 | ADM B Value | ADM X 10 | ADM$^2$ B Value | ADM$^2$ X 10 | Constant | $R^2$ | Value at Median |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 111 | 1 | Kindergarten | Salaries | 1.342 | -2 | | | | | 608.87 | .05 | $ 691.39 |
| 111 | 3 | Kindergarten | Purch. Serv. | 9.084 | -4 | -4.926 | -4 | | | .00 | .25 | $ 3.77 |
| 111 | 4 | Kindergarten | Supp. & Mat. | 1.193 | -3 | -5.800 | -4 | | | 15.59 | .17 | $ 16.62 |
| 111 | | Kindergarten | All (1-6) | 1.591 | -2 | | | | | 617.34 | .06 | $ 715.18 |
| 112 | 1 | Primary | Salaries | 1.582 | -2 | | | | | 1,027.02 | .08 | $1,124.30 |
| 112 | | Primary | All (1-6) | 1.672 | -2 | | | | | 1,053.63 | .09 | $1,156.45 |
| 113 | 1 | Elementary | Salaries | 1.358 | -2 | | | | | 955.39 | .09 | $1,038.90 |
| 113 | | Elementary | All (1-6) | 1.458 | -2 | | | | | 980.65 | .11 | $1,070.31 |
| 114 | 1 | High School | Salaries | | | -1.198 | -1 | | | 3,575.15 | .05 | $3,133.10 |
| 114 | | High School | All (1-6) | | | -1.297 | -1 | | | 3,793.97 | .05 | $3,315.39 |
| 115 | 3 | Vocational | Purch. Serv. | | | -7.576 | -3 | | | 125.35 | .12 | $ 97.40 |
| 115 | 4 | Vocational | Supp. & Mat. | 1.095 | -3 | | | | | 23.39 | .05 | $ 30.12 |
| 115 | | Vocational | All (1-6) | | | -8.434 | -3 | | | 684.49 | .05 | $ 653.37 |
| 121 | 4 | Educ. Ment. Hnd. | Supp. & Mat. | 1.509 | -3 | | | | | 11.71 | .10 | $ 20.99 |

NOTE: Regressions use per pupil values for expenditures as the dependant variables and per pupil wealth, ADM, and ADM$^2$ as the independant variables. Charleston, Greenville, and York 2 are excluded from consideration due to either extremely high per pupil wealth or ADM. An independant variable was only included if it met a .05 level of significance. The figures under the "X 10" columns are the powers of ten associated with a B value.

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PLT_1511-0173

APPENDIX TABLE D-3 (Continued)

| Acct. # | | Function | Object | Wealth B Value | X 10 | ADM B Value | X 10 | ADM$^2$ B Value | X 10 | Constant | $R^2$ | Value at Median |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 1 | Orthoped. Hand. | Salaries | | | | | 5.088 | -6 | 1,700.54 | .22 | $1,769.81 |
| 123 | | Orthoped. Hand. | All (1-6) | | | | | 3.689 | -6 | 1,768.48 | .09 | $1,818.71 |
| 124 | 1 | Visually Hand. | Salaries | 1.219 | -1 | | | | | 1,465.23 | .09 | $2,214.84 |
| 124 | 3 | Visually Hand. | Purch. Serv. | | | -3.270 | -1 | 1.121 | -5 | 2,169.05 | .60 | $1,115.09 |
| 124 | | Visually Hand. | All (1-6) | | | 9.341 | -2 | | | 1,472.97 | .11 | $1,817.64 |
| 125 | 3 | Hearing Hand. | Purch. Serv. | | | -2.475 | -1 | | | 2,836.25 | .28 | $1,923.01 |
| 126 | 4 | Speech Hand. | Supp. & Mat. | 5.580 | -4 | | | | | .00 | .07 | $ 3.43 |
| 126 | 5 | Speech Hand. | Cap. Outlay | 1.267 | -3 | -3.673 | -4 | | | .00 | .75 | $ 6.43 |
| 128 | 4 | Emotionally Hand. | Supp. & Mat. | | | -9.002 | -3 | 2.819 | -7 | 73.09 | .21 | $ 43.71 |
| 128 | 5 | Emotionally Hand. | Cap. Outlay | | | -5.742 | -3 | 1.515 | -7 | 48.26 | .51 | $ 29.13 |
| 141 | 4 | G&T Academic | Supp. & Mat. | 1.326 | -4 | -1.431 | -4 | 3.683 | -9 | .00 | .44 | $ .34 |
| 149 | 1 | Oth. Spec. Prog. | Salaries | 1.982 | -3 | -5.457 | -4 | | | -6.01 | .60 | $ 4.17 |
| 149 | | Oth. Spec. Prog. | All (1-6) | 2.503 | -4 | | | | | .00 | .05 | $ 1.54 |
| 173 | | H/S Sum. Sch. | All (1-6) | | | 9.807 | -5 | | | .96 | .06 | $ 1.32 |
| 182 | | Adult. Sec. Ed. | All (1-6) | | | 5.268 | -5 | | | .00 | .05 | $ .19 |
| 211 | 1 | Atnd. & Soc. Wrk. | Salaries | 3.281 | -4 | | | | | 3.42 | .11 | $ 5.44 |
| 211 | 4 | Atnd. & Soc. Wrk. | Supp. & Mat. | | | | | 2.584 | -10 | .09 | .15 | $ .09 |
| 211 | | Atnd. & Soc. Wrk. | All (1-6) | 5.060 | -4 | | | | | .00 | .16 | $ 3.11 |

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EXP/PLT-JM-1152
PLT_1511-0174

APPENDIX TABLE D-3 (Continued)

| Acct. # | Function | Object | Health B Value | Health X 10 | ADM B Value | ADM X 10 | ADM$^2$ B Value | ADM$^2$ X 10 | Constant | $R^2$ | Value at Median |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 212 2 | Guidance | Benefits | 6.753 | -5 | | | | | .00 | .30 | $ .42 |
| 213 1 | Health | Salaries | 2.589 | -4 | | | | | 4.04 | .06 | $ 5.63 |
| 213 4 | Health | Supp. & Mat. | 1.862 | -5 | | | | | .20 | .05 | $ .31 |
| 214 4 | Psych. Serv. | Supp. & Mat. | 3.394 | -5 | | | | | .00 | .10 | $ .21 |
| 214 | Psych. Serv. | All (1-6) | 3.620 | -4 | 6.728 | -4 | -2.043 | -8 | .00 | .24 | $ 4.43 |
| 216 1 | Placement Serv. | Salaries | | | | | -1.478 | -8 | 3.62 | .28 | $ 3.42 |
| 216 3 | Placement Serv. | Purch. Serv. | | | -1.412 | -5 | | | .21 | .21 | $ .16 |
| 221 1 | Dupry. of Instr. | Salaries | 1.002 | -3 | | | | | 14.97 | .07 | $ 21.13 |
| 221 | Dupry. of Instr. | All (1-6) | 1.129 | -3 | 2.757 | -3 | -9.114 | -8 | .00 | .22 | $ 15.87 |
| 222 1 | Educ. Media | Salaries | 5.746 | -4 | | | | | 44.63 | .05 | $ 48.16 |
| 222 4 | Educ. Media | Supp. & Mat. | 3.616 | -4 | | | | | 3.31 | .21 | $ 5.53 |
| 222 | Educ. Media | All (1-6) | 1.070 | -3 | | | | | 48.42 | .12 | $ 55.00 |
| 231 2 | Board of Educ. | Benefits | 2.084 | -3 | | | | | 43.22 | .09 | $ 56.04 |
| 231 3 | Board of Educ. | Purch. Serv. | 2.037 | -3 | -1.146 | -3 | | | .00 | .22 | $ 8.36 |
| 231 4 | Board of Educ. | Supp. & Mat. | | | -4.278 | -5 | | | .86 | .11 | $ .70 |
| 231 6 | Board of Educ. | Other | 7.231 | -4 | -4.671 | -4 | | | 5.87 | .13 | $ 8.60 |
| 231 | Board of Educ. | All (1-6) | 4.526 | -3 | -2.035 | -3 | | | 52.19 | .20 | $ 72.51 |
| 232 1 | Offc. of Supt. | Salaries | | | -6.916 | -3 | 2.270 | -7 | 58.41 | .52 | $ 35.98 |
| 232 | Offc. of Supt. | All (1-6) | | | -7.949 | -3 | 2.626 | -7 | 72.94 | .38 | $ 47.19 |

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EXP/PLT-JM-1153
PLT_1511-0175

APPENDIX TABLE D-3 (Continued)

| Acct. # | | Function | Object | Wealth B Value | X 10 | ADM B Value | X 10 | ADM$^2$ B Value | X 10 | Constant | $R^2$ | Value at Median |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 233 | 3 | School Admin. | Purch. Serv. | 2.250 | -4 | -1.103 | -4 | | | 1.92 | .10 | $ 2.89 |
| 233 | | School Admin. | All (1-6) | 1.639 | -3 | | | | | 140.06 | .05 | $ 150.14 |
| 252 | 1 | Fiscal Serv. | Salaries | 7.649 | -4 | -1.844 | -3 | 5.303 | -8 | 21.25 | .23 | $ 19.87 |
| 252 | | Fiscal Serv. | All (1-6) | | | -7.334 | -4 | | | 27.88 | .08 | $ 25.17 |
| 254 | 1 | Plant Op. & Mnt. | Salaries | 1.691 | -3 | | | 8.470 | -8 | 60.83 | .24 | $ 72.38 |
| 254 | 3 | Plant Op. & Mnt. | Purch. Serv. | 2.476 | -3 | | | | | 122.12 | .07 | $ 137.31 |
| 254 | | Plant Op. & Mnt. | All (1-6) | 3.556 | -3 | 2.109 | -3 | | | 220.48 | .16 | $ 250.13 |
| 255 | 3 | Transportation | Purch. Serv. | | | -1.345 | -4 | | | 3.00 | .06 | $ 2.50 |
| 257 | 1 | Internal Serv. | Salaries | | | | | 1.221 | -8 | 3.53 | .38 | $ 3.70 |
| 257 | 3 | Internal Serv. | Purch. Serv. | | | | | 9.660 | -9 | .00 | .35 | $ .13 |
| 257 | | Internal Serv. | All (1-6) | | | | | 2.770 | -8 | .00 | .38 | $ .38 |
| 264 | 6 | Staff Serv. | Other | | | | | 6.105 | -9 | .00 | .64 | $ .08 |
| 264 | | Staff Serv. | All (1-6) | | | 1.435 | -3 | -3.882 | -8 | 0.00 | .25 | $ 4.41 |
| 266 | | Data Process. | All (1-6) | | | | | 2.100 | -8 | 2.53 | .18 | $ 2.82 |
| 320 | | Recreation | All (1-6) | | | | | 7.669 | -10 | .00 | .20 | $ .10 |
| 360 | | Welfare | All (1-6) | | | 4.564 | -6 | | | .00 | .06 | $ .17 |
| 390 | 3 | Other Comm. Serv. | Purch. Serv. | | | | | 1.831 | -8 | .00 | .48 | $ .25 |
| 390 | | Other Comm. Serv. | All (1-6) | | | | | 7.678 | -9 | .00 | .08 | $ .10 |

REC027061
EXP/PLT-JM-1154
PLT_1511-0176

APPENDIX TABLE D-4

1985-86 E.I.A. FUND REGRESSION RESULTS

| Acct. # | Function | Object | Wealth B Value | Wealth X 10 | ADM B Value | ADM X 10 | ADM$^2$ B Value | ADM$^2$ X 10 | Constant | $R^2$ | Value at Median |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 111 | Kindergarten | All (1-6) | | | -1.164 | -2 | 4.002 | -7 | 102.71 | .11 | $ 65.21 |
| 112 3 | Primary | Purch. Serv. | | | -2.355 | -4 | | | 2.75 | .46 | $ 1.88 |
| 112 4 | Primary | Supp. & Mat. | | | -2.524 | -3 | 7.979 | -8 | 19.22 | .22 | $ 11.00 |
| 112 5 | Primary | Cap. Outlay | | | -5.036 | -4 | | | 11.87 | .15 | $ 10.01 |
| 113 3 | Elementary | Purch. Serv. | -1.319 | -3 | | | | | 11.15 | .26 | $ 3.04 |
| 113 4 | Elementary | Supp. & Mat. | | | -1.264 | -3 | 3.537 | -8 | 11.68 | .30 | $ 7.50 |
| 113 5 | Elementary | Cap. Outlay | -6.673 | -4 | | | | | 10.12 | .20 | $ 6.02 |
| 114 4 | High School | Supp. & Mat. | | | -4.187 | -3 | 1.238 | -7 | 38.22 | .16 | $ 24.46 |
| 114 5 | High School | Cap. Outlay | | | -3.406 | -3 | 9.950 | -8 | 39.54 | .21 | $ 28.32 |
| 115 | Vocational | All (1-6) | | | | | 1.875 | -7 | 91.24 | .05 | $ 93.79 |
| 121 1 | Educ. Maint. Hand. | Salaries | | | | | 1.313 | -7 | 149.11 | .09 | $ 150.90 |
| 122 1 | Trn. Maint. Hand. | Salaries | 5.325 | -2 | | | | | 386.91 | .08 | $ 714.36 |
| 122 4 | Trn. Maint. Hand. | Supp. & Mat. | | | -1.720 | -2 | | | 325.70 | .24 | $ 262.23 |
| 122 | Trn. Maint. Hand. | All (1-6) | 4.740 | -2 | | | | | 572.90 | .06 | $ 864.38 |

NOTE: Regressions use per pupil values for expenditures as the dependent variables and per pupil wealth, ADM, and ADM$^2$ as the independent variables. Charleston, Greenville, and York 2 are excluded from consideration due to either extremely high per pupil wealth or ADM. An independent variable was only included if it met a .05 level of significance. The figures under the "X 10" columns are the powers of ten associated with a B value.

REC027062
EXP/PLT-JM-1155
PLT_1511-0177

APPENDIX TABLE D-4 (Continued)

| Acct. # | | Function | Object | Wealth B Value | Wealth X 10 | ADM B Value | ADM X 10 | ADM$^2$ B Value | ADM$^2$ X 10 | Constant | $R^2$ | Value at Median |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 1 | Orthoped. Hand. | Salaries | | | 1.136 | -2 | | | 97.41 | .51 | $ 139.33 |
| 123 | | Orthoped. Hand. | All (1-6) | | | | | 3.269 | -7 | 41.92 | .12 | $ 46.37 |
| 141 | | G&T Academic | All (1-6) | | | 2.578 | -4 | | | 9.67 | .04 | $ 10.62 |
| 142 | | Disadvantaged | All (1-6) | | | -5.175 | -5 | 3.753 | -9 | .00 | .32 | $ .00 |
| 143 | 1 | Compen. Educ. | Salaries | -1.669 | -3 | -1.056 | -3 | | | 70.23 | .14 | $ 56.07 |
| 143 | 2 | Compen. Educ. | Benefits | -5.906 | -4 | | | | | 13.99 | .15 | $ 10.36 |
| 143 | | Compen. Educ. | All (1-6) | -2.899 | -3 | | | | | 86.18 | .09 | $ 68.35 |
| 145 | 1 | Remed. Educ. | Salaries | | | -3.266 | -3 | 9.697 | -8 | 41.28 | .16 | $ 30.55 |
| 145 | | Remed. Educ. | All (1-6) | | | -3.600 | -3 | 1.102 | -7 | 50.68 | .11 | $ 38.90 |
| 150 | | Gen./Except. 1 | All (1-6) | 2.590 | -7 | | | | | .00 | .05 | $ .00 |
| 173 | | H/S Sum. Sch. | All (1-6) | | | -9.591 | -7 | 6.576 | -11 | 1.99 | .47 | $ 1.99 |
| 175 | | Compen. Sum. Sch. | All (1-6) | 1.203 | -4 | | | | | .00 | .08 | $ .74 |
| 212 | 4 | Guidance | Supp. & Mat. | | | -1.611 | -5 | | | .29 | .27 | $ .23 |
| 214 | | Psych. Serv. | All (1-6) | | | | | 1.027 | -9 | .12 | .14 | $ .13 |
| 222 | 1 | Educ. Media | Salaries | | | -3.096 | -4 | 1.062 | -8 | 5.03 | .19 | $ 4.03 |
| 222 | 4 | Educ. Media | Supp. & Mat. | | | -6.170 | -4 | 1.759 | -8 | 4.78 | .28 | $ 2.74 |

REC027063
EXP/PLT-JM-1156
PLT_1511-0178

APPENDIX TABLE D-4 (Continued)

| Acct. # | Function | Object | Wealth B Value X 10 | ADM B Value X 10 | ADM$^2$ B Value X 10 | Constant | $R^2$ | Value at Median |
|---|---|---|---|---|---|---|---|---|
| 223 | Super. Sp. Proj. | All (1-6) | 2.037 -4 | | | .00 | .05 | $ 1.25 |
| 255 | Transportation | All (1-6) | | | 3.197 -10 | .00 | .14 | $ .00 |
| 264 | Staff. Serv. | All (1-6) | | | 6.853 -9 | .00 | .11 | $ .09 |
| 266 5 | Data Process. | Cap. Outlay | | -1.234 -3 | 3.654 -8 | 9.21 | .45 | $ 5.16 |
| 350 3 | Care of Children | Purch. Serv. | | -1.318 -5 | | .32 | .16 | $ .27 |
| 350 5 | Care of Children | Cap. Outlay | | -5.856 -5 | | 1.68 | .09 | $ 1.46 |
| 350 | Care of Children | All (1-6) | | 2.885 -4 | | 3.96 | .05 | $ 5.02 |

REC027064
EXP/PLT-JM-1157
PLT_1511-0179

APPENDIX TABLE B-1

NUMBER OF PERSONNEL PER 1,000 ADM EMPLOYED IN SOUTH CAROLINA PUBLIC SCHOOLS, 1989-90

| Personnel Category | Minimum | | Maximum | Average | | Median | Coeff. of Var. | |
|---|---|---|---|---|---|---|---|---|
| | All | Non 0 | All | All | Non 0 | (All) | All | Non 0 |
| Classroom Teachers | 40.34 | 40.34 | 62.32 | 49.50 | 49.50 | 49.37 | .077 | .077 |
| Kindergarten Teachers | .00 | 6.70 | 66.30 | 27.72 | 28.34 | 25.04 | .419 | .386 |
| Library/Media | 1.12 | 1.12 | 3.50 | 1.93 | 1.93 | 1.91 | .218 | .218 |
| Consultant - Library/Media | .00 | .02 | .41 | .01 | .13 | .00 | 6.000 | 1.000 |
| Guidance | 1.02 | 1.02 | 3.15 | 1.96 | 1.96 | 1.95 | .199 | .199 |
| Consultant - Guidance | .00 | .02 | .36 | .02 | .16 | .00 | 3.500 | .880 |
| Other Prof. Inst. Staff | .00 | .03 | 1.02 | .12 | .33 | .00 | 1.833 | .788 |
| Other Prof. Inst. Oriented Staff | .00 | .02 | 5.94 | .50 | .70 | .21 | 1.640 | 1.286 |
| Temporary Instructional Staff | .00 | .04 | .81 | .05 | .36 | .00 | 3.200 | .778 |
| Consultant - Early Childhood | .00 | .01 | .13 | .00 | .05 | .00 | 9.999 | .800 |
| Consultant - Elementary | .00 | .04 | .50 | .02 | .17 | .00 | 3.500 | 1.059 |
| Consultant | .00 | .08 | 1.02 | .09 | .28 | .00 | 2.000 | .750 |
| Itinerant Teachers | .00 | .18 | 3.19 | .89 | .96 | .85 | .652 | .563 |
| Self-Contained Sp. Ed. Teachers | .00 | .33 | 5.99 | 2.45 | 2.62 | 2.41 | .527 | .439 |
| Spec. Ed. Resource Teachers | .88 | .88 | 5.70 | 2.94 | 2.94 | 2.75 | .350 | .350 |

REC027065
EXP/PLT-JM-1158
PLT_1511-0180

APPENDIX TABLE E-1 (Continued)

| Personnel Category | Minimum | | Maximum | Average | | Median | Coeff. of Var. | |
|---|---|---|---|---|---|---|---|---|
| | All | Non 0 | All | All | Non 0 | (All) | All | Non 0 |
| Consultant - Special Education | .00 | .06 | 1.02 | .15 | .31 | .00 | 1.533 | .774 |
| Psychologists | .00 | .13 | .79 | .29 | .40 | .32 | .759 | .375 |
| Social Workers | .00 | .05 | .68 | .06 | .23 | .00 | 2.333 | .783 |
| Nurses | .00 | .01 | 1.38 | .31 | .52 | .27 | 1.129 | .596 |
| Audiologists | .00 | .08 | .21 | .01 | .14 | .00 | 3.000 | .500 |
| Therapists | .00 | .04 | .32 | .02 | .13 | .00 | 2.500 | .667 |
| Driver Education Teachers | .00 | .00 | .04 | .00 | .02 | .00 | 9.999 | 1.500 |
| Attendance Officer | .00 | .03 | .81 | .09 | .20 | .00 | 1.778 | .950 |
| Director - Vocational Education | .00 | .02 | .22 | .01 | .07 | .00 | 3.000 | 1.000 |
| Director - Special Services | .00 | .02 | 1.75 | .17 | .29 | .08 | 1.824 | 1.207 |
| Director - Art/Music | .00 | .02 | .13 | .01 | .08 | .00 | 3.000 | .375 |
| Director - Child Development | .00 | .09 | .09 | .00 | .09 | .00 | 9.999 | .000 |
| Director of Instruction | .00 | .02 | 1.57 | .08 | .43 | .00 | 3.125 | .977 |
| Educational Evaluator | .00 | .04 | .36 | .01 | .17 | .00 | 5.000 | .706 |
| Supervisor - Elementary Education | .00 | .02 | .44 | .04 | .17 | .00 | 2.250 | .765 |
| Supervisor - Secondary Education | .00 | .04 | .54 | .03 | .14 | .00 | 2.667 | .857 |

REC027066
EXP/PLT-JM-1159
PLT_1511-0181

APPENDIX TABLE B-1 (Continued)

| Personnel Category | Minimum | | Maximum | Average | | Median | Coeff. of Var. | |
|---|---|---|---|---|---|---|---|---|
| | All | Non 0 | All | All | Non 0 | (All) | All | Non 0 |
| Accountants | .00 | .04 | .85 | .06 | .28 | .00 | 2.833 | .964 |
| Purchasing Agents | .00 | .04 | .81 | .03 | .13 | .00 | 3.000 | 1.231 |
| Other Business Personnel | .00 | .04 | 1.60 | .05 | .28 | .00 | 3.800 | 1.393 |
| Other Office Personnel | .00 | .03 | 2.09 | .46 | .60 | .42 | .913 | .650 |
| Data Processing Staff | .00 | .04 | .27 | .02 | .11 | .00 | 2.500 | .545 |
| Maintenance Director | .00 | .02 | .97 | .07 | .23 | .00 | 2.571 | 1.130 |
| Other Prof. Non-instr. Staff | .00 | .03 | .70 | .06 | .30 | .00 | 3.500 | .667 |
| Personnel Director | .00 | .04 | .42 | .04 | .13 | .00 | 2.000 | .692 |
| Business Manager/Finance Officer | .00 | .02 | .81 | .11 | .24 | .00 | 1.727 | .875 |
| Assistant Principals | .00 | .31 | 3.30 | 1.44 | 1.50 | 1.46 | .382 | .313 |
| Principals | .97 | .97 | 4.72 | 1.96 | 1.96 | 1.88 | .316 | .316 |
| Area Superintendents | .00 | .02 | .15 | .00 | .08 | .00 | 9.999 | .750 |
| Assistant Superintendents | .00 | .10 | 1.00 | .24 | .36 | .23 | .958 | .528 |
| Superintendents | .00 | .02 | 1.75 | .38 | .39 | .27 | .974 | .949 |

REC027067
EXP/PLT-JM-1160
PLT_1511-0182

APPENDIX TABLE E-2

SALARY OF PERSONNEL EMPLOYED BY SOUTH CAROLINA PUBLIC SCHOOLS, 1989-90

| Personnel Classification | Number of Districts | Minimum | Maximum | Average | Median | Coeff. of Variation |
|---|---|---|---|---|---|---|
| Classroom Teachers | 91 | $ 23,028 | $ 30,142 | $ 26,332 | $ 26,180 | .063 |
| Kindergarten Teachers | 89 | $ 19,417 | $ 31,640 | $ 25,884 | $ 25,995 | .101 |
| Library/Media | 91 | $ 21,320 | $ 35,147 | $ 29,072 | $ 29,166 | .087 |
| Consultant - Library/Media | 10 | $ 33,619 | $ 51,964 | $ 42,525 | $ 42,389 | .120 |
| Guidance | 91 | $ 22,160 | $ 37,500 | $ 31,523 | $ 31,590 | .083 |
| Consultant - Guidance | 11 | $ 28,657 | $ 45,624 | $ 36,516 | $ 36,516 | .169 |
| Other Prof. Inst. Staff | 33 | $ 14,519 | $ 34,012 | $ 27,797 | $ 27,994 | .139 |
| Other Prof. Inst. Oriented | 65 | $ 18,585 | $ 50,520 | $ 33,697 | $ 33,697 | .155 |
| Temporary Instructional Staff | 12 | $ 18,158 | $ 32,578 | $ 23,031 | $ 23,030 | .140 |
| Consultant - Early Childhood | 8 | $ 33,378 | $ 45,624 | $ 40,172 | $ 40,172 | .088 |
| Consultant - Elementary | 8 | $ 34,659 | $ 45,624 | $ 38,781 | $ 38,567 | .084 |
| Consultant | 30 | $ 30,584 | $ 53,630 | $ 40,384 | $ 39,608 | .134 |
| Itinerant Teachers | 84 | $ 13,390 | $ 34,804 | $ 26,426 | $ 26,582 | .131 |
| Self-Contained Spec. Ed. Tchr. | 85 | $ 19,818 | $ 32,028 | $ 25,003 | $ 25,072 | .092 |
| Special Ed. Resource Tchr. | 91 | $ 18,211 | $ 33,205 | $ 25,962 | $ 26,067 | .089 |

REC027068
EXP/PLT-JM-1161
PLT_1511-0183

APPENDIX TABLE E-2 (Continued)

| Personnel Classification | Number of Districts | Minimum | Maximum | Average | Median | Coeff. of Variation |
|---|---|---|---|---|---|---|
| Consultant - Special Education | 44 | $ 25,174 | $ 46,773 | $ 37,972 | $ 37,972 | .129 |
| Psychologists | 66 | $ 19,831 | $ 44,728 | $ 34,132 | $ 34,132 | .135 |
| Social Workers | 24 | $ 11,851 | $ 42,606 | $ 27,322 | $ 27,322 | .233 |
| Nurses | 54 | $ 14,600 | $ 28,994 | $ 20,403 | $ 20,483 | .159 |
| Audiologists | 4 | $ 23,166 | $ 33,246 | $ 28,209 | $ 28,211 | .146 |
| Therapists | 12 | $ 26,932 | $ 39,647 | $ 30,539 | $ 30,539 | .103 |
| Driver Education Teachers | 2 | $ 34,439 | $ 34,439 | $ 34,439 | $ 34,439 | .000 |
| Attendance Officer | 39 | $ 10,000 | $ 45,887 | $ 28,522 | $ 28,522 | .257 |
| Director - Vocational Education | 11 | $ 35,093 | $ 61,442 | $ 47,348 | $ 47,348 | .139 |
| Director - Special Services | 54 | $ 34,616 | $ 61,847 | $ 45,097 | $ 45,097 | .130 |
| Director - Art/Music | 14 | $ 35,481 | $ 46,186 | $ 40,779 | $ 40,778 | .080 |
| Director - Child Development | 1 | $ 43,407 | $ 43,407 | $ 43,407 | $ 43,407 | .000 |
| Director of Instruction | 18 | $ 31,265 | $ 54,897 | $ 43,752 | $ 43,963 | .163 |
| Educational Evaluator | 5 | $ 28,761 | $ 36,027 | $ 31,360 | $ 31,319 | .093 |
| Supervisor - Elementary Education | 22 | $ 36,120 | $ 57,383 | $ 45,568 | $ 44,877 | .138 |
| Supervisor - Secondary Education | 18 | $ 34,924 | $ 58,000 | $ 47,591 | $ 49,037 | .135 |

REC027069
EXP/PLT-JM-1162
PLT_1511-0184

APPENDIX TABLE E-2 (Continued)

| Personnel Classification | Number of Districts | Minimum | Maximum | Average | Median | Coeff. of Variation |
|---|---|---|---|---|---|---|
| Accountants | 20 | $ 12,952 | $ 47,040 | $ 26,923 | $ 29,130 | .340 |
| Purchasing Agents | 20 | $ 14,960 | $ 51,360 | $ 32,039 | $ 31,608 | .344 |
| Other Business Personnel | 15 | $ 11,740 | $ 56,164 | $ 28,751 | $ 25,277 | .461 |
| Other Office Personnel | 70 | $ 10,000 | $ 50,485 | $ 37,332 | $ 37,506 | .156 |
| Data Processing Staff | 17 | $ 17,010 | $ 49,782 | $ 35,579 | $ 39,000 | .306 |
| Maintenance Director | 28 | $ 15,773 | $ 55,050 | $ 37,983 | $ 37,983 | .271 |
| Other Prof. Non-instr. Staff | 18 | $ 14,003 | $ 42,475 | $ 33,401 | $ 33,457 | .209 |
| Personnel Director | 29 | $ 20,883 | $ 61,320 | $ 45,685 | $ 46,200 | .153 |
| Business Man./Finance Officer | 43 | $ 20,185 | $ 65,468 | $ 44,243 | $ 44,074 | .222 |
| Assistant Principals | 87 | $ 31,154 | $ 44,086 | $ 37,432 | $ 37,108 | .069 |
| Principals | 91 | $ 39,287 | $ 52,438 | $ 45,315 | $ 44,952 | .069 |
| Area Superintendents | 3 | $ 53,360 | $ 62,318 | $ 57,839 | $ 57,839 | .077 |
| Assistant Superintendents | 60 | $ 43,207 | 4 65,322 | $ 54,447 | $ 54,433 | .104 |
| Superintendents | 89 | $ 47,500 | $ 99,999 | $ 64,471 | $ 63,483 | .148 |

REC027070
EXP/PLT-JM-1163
PLT_1511-0185

APPENDIX TABLE E-3

NUMBER OF PERSONNEL PER 1,000 ADM EMPLOYED IN SOUTH CAROLINA PUBLIC SCHOOLS, 1985-86

| Personnel Category | Minimum | | Maximum | Average | | Median | Coeff. of Var. | |
|---|---|---|---|---|---|---|---|---|
| | All | Non 0 | All | All | Non 0 | (All) | All | Non 0 |
| Classroom Teachers | 40.43 | 40.43 | 58.32 | 48.85 | 48.85 | 49.15 | .064 | .064 |
| Kindergarten Teachers | .00 | 2.26 | 61.39 | 24.96 | 25.52 | 23.23 | .414 | .382 |
| Library/Media | 1.13 | 1.13 | 4.60 | 1.99 | 1.99 | 1.90 | .266 | .266 |
| Consultant - Library/Media | .00 | .02 | .15 | .07 | .01 | .00 | 3.000 | .571 |
| Guidance | .97 | .97 | 2.83 | 1.80 | 1.80 | .00 | .206 | .206 |
| Consultant - Guidance | .00 | .01 | .28 | .01 | .11 | .00 | 5.000 | .909 |
| Other Prof. Inst. Staff | .00 | .07 | .60 | .06 | .21 | .00 | 2.000 | .667 |
| Other Prof. Inst Oriented Staff | .00 | .03 | 1.89 | .24 | .40 | .10 | 1.500 | 1.000 |
| Temporary Instructionlal Staff | .00 | .02 | 2.09 | .09 | .48 | .00 | 3.111 | 1.021 |
| Consultant - Early Childhood | .00 | .02 | .41 | .01 | .13 | .00 | 4.000 | 1.385 |
| Consultant - Elementary | .00 | .04 | .41 | .02 | .14 | .00 | 3.000 | .786 |
| Consultant | .00 | .03 | .83 | .10 | .25 | .00 | 1.700 | .760 |
| Itinerant Teachers | .00 | .05 | 3.53 | .89 | .94 | .82 | .685 | .617 |
| Self-Contained Sp. Ed. Teachers | .00 | .56 | 6.20 | 2.10 | 2.30 | 1.95 | .619 | .513 |
| Spec. Ed. Resource Teachers | .55 | .55 | 6.90 | 3.02 | 3.02 | 2.80 | .381 | .381 |

REC027071
EXP/PLT-JM-1164
PLT_1511-0186

APPENDIX TABLE E-3 (Continued)

| Personnel Category | Minimum | | Maximum | Average | | Median | Coeff. of Var. | |
|---|---|---|---|---|---|---|---|---|
| | All | Non 0 | All | All | Non 0 | (All) | All | Non 0 |
| Consultant - Special Education | .00 | .04 | .97 | .12 | .27 | .00 | 1.583 | .778 |
| Psychologists | .00 | .04 | .79 | .25 | .36 | .27 | .840 | .417 |
| Social Workers | .00 | .07 | .37 | .03 | .19 | .00 | 2.667 | .526 |
| Nurses | .00 | .02 | 1.21 | .24 | .40 | .17 | 1.125 | .600 |
| Audiologists | .00 | .01 | .30 | .01 | .11 | .00 | 4.000 | .818 |
| Therapists | .00 | .04 | .11 | .00 | .06 | .00 | 9.999 | .500 |
| Driver Education Teachers | .00 | .00 | .04 | .00 | .02 | .00 | 9.999 | 1.500 |
| Attendance Officer | .00 | .01 | .61 | .07 | .19 | .00 | 9.999 | .789 |
| Director - Vocational Education | .00 | .01 | .34 | .01 | .10 | .00 | 9.999 | 1.000 |
| Director - Special Services | .00 | .01 | 1.24 | .17 | .29 | .00 | 1.471 | .897 |
| Director - Art/Music | .00 | .02 | .22 | .01 | .10 | .00 | 4.000 | .700 |
| Director - Child Development | .00 | .07 | .18 | .00 | .12 | .00 | 9.999 | .667 |
| Director of Instruction | .00 | .04 | 1.18 | .09 | .30 | .00 | .222 | .933 |
| Educational Evaluator | .00 | .04 | .37 | .02 | .19 | .00 | 3.500 | .579 |
| Supervisor - Elementary Education | .00 | .04 | .41 | .04 | .17 | .00 | 2.250 | .588 |
| Supervisor - Secondary Education | .00 | .02 | .23 | .02 | .10 | .00 | 2.000 | .500 |

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EXP/PLT-JM-1165
PLT_1511-0187

APPENDIX TABLE E-3 (Continued)

| Personnel Category | Minimum | | Maximum | Average | | Median | Coeff. of Var. | |
|---|---|---|---|---|---|---|---|---|
| | All | Non 0 | All | All | Non 0 | (All) | All | Non 0 |
| Accountants | .00 | .00 | .86 | .06 | .32 | .00 | 2.833 | .906 |
| Purchasing Agents | .00 | .02 | .33 | .02 | .11 | .00 | 2.500 | .909 |
| Other Business Personnel | .00 | .05 | 1.72 | .05 | .48 | .00 | 5.200 | 1.396 |
| Other Office Personnel | .00 | .09 | 1.72 | .32 | .55 | .19 | 1.281 | .745 |
| Data Processing Staff | .00 | .02 | .22 | .01 | .11 | .00 | 4.000 | .545 |
| Maintenance Director | .00 | .02 | .86 | .08 | .22 | .00 | 2.125 | 1.045 |
| Other Prof. Non-instr. Staff | .00 | .04 | .58 | .03 | .17 | .00 | 2.667 | .882 |
| Personnel Director | .00 | .02 | .72 | .04 | .13 | .00 | 2.250 | 1.077 |
| Business Manager/Finance Officer | .00 | .02 | 1.74 | .11 | .25 | .00 | 2.182 | 1.200 |
| Assistant Principals | .00 | .43 | 3.07 | 1.32 | 1.35 | 1.27 | .409 | .370 |
| Principals | .00 | .95 | 4.19 | 2.02 | 2.02 | 1.86 | .307 | .307 |
| Area Superintendents | .00 | .08 | .36 | .01 | .16 | .00 | 4.000 | .750 |
| Assistant Superintendents | .00 | .07 | .82 | .18 | .32 | .13 | 1.167 | .531 |
| Superintendents | .00 | .02 | 1.81 | .40 | .41 | .27 | .975 | .951 |

REC027073
EXP/PLT-JM-1166
PLT_1511-0188

APPENDIX TABLE E-4

SALARY OF PERSONNEL EMPLOYED BY SOUTH CAROLINA PUBLIC SCHOOLS, 1985-86

| Personnel Classification | Number of Districts | Minimum | Maximum | Average | Median | Coeff. of Variation |
|---|---|---|---|---|---|---|
| Classroom Teachers | 92 | $ 17,848 | $ 24,316 | $ 21,199 | $ 21,982 | .065 |
| Kindergarten Teachers | 90 | $ 15,551 | $ 24,678 | $ 20,538 | $ 20,526 | .086 |
| Library/Media | 92 | $ 12,004 | $ 26,851 | $ 23,054 | $ 23,261 | .100 |
| Consultant - Library/Media | 10 | $ 27,450 | $ 39,000 | $ 33,346 | $ 33,398 | .099 |
| Guidance | 92 | $ 16,784 | $ 31,394 | $ 25,523 | $ 25,510 | .092 |
| Consultant - Guidance | 9 | $ 27,813 | $ 37,164 | $ 32,625 | $ 32,625 | .088 |
| Other Prof. Inst. Staff | 28 | $ 4,810 | $ 27,478 | $ 20,777 | $ 20,777 | .210 |
| Other Prof. Inst. Oriented | 54 | $ 10,001 | $ 38,369 | $ 25,762 | $ 25,762 | .181 |
| Temporary Instructional Staff | 17 | $ 11,567 | $ 21,470 | $ 16,771 | $ 16,771 | .105 |
| Consultant - Early Childhood | 4 | $ 25,296 | $ 36,142 | $ 29,560 | $ 28,400 | .159 |
| Consultant - Elementary | 11 | $ 21,718 | $ 35,736 | $ 29,453 | $ 29,147 | .129 |
| Consultant | 36 | $ 23,357 | $ 47,324 | $ 31,332 | $ 31,332 | .135 |
| Itinerant Teachers | 87 | $ 15,129 | $ 27,480 | $ 20,451 | $ 20,451 | .116 |
| Self-Contained Spec. Ed. Tchr. | 84 | $ 14,096 | $ 25,209 | $ 19,942 | $ 20.091 | .104 |
| Special Ed. Resource Tchr. | 92 | $ 14,268 | $ 24,175 | $ 20,327 | $ 20,422 | .093 |

REC027074
EXP/PLT-JM-1167
PLT_1511-0189

APPENDIX TABLE E-4 (Continued)

| Personnel Classification | Number of Districts | Minimum | Maximum | Average | Median | Coeff. of Variation |
|---|---|---|---|---|---|---|
| Consultant - Special Education | 39 | $ 21,104 | $ 38,964 | $ 30,147 | $ 30,138 | .133 |
| Psychologists | 64 | $ 19,826 | $ 35,615 | $ 27,246 | $ 27,213 | .118 |
| Social Workers | 17 | $ 13,658 | $ 30,628 | $ 23,541 | $ 24,141 | .213 |
| Nurses | 54 | $ 6,791 | $ 24,415 | $ 15,556 | $ 15,556 | .174 |
| Audiologists | 9 | $ 12,597 | $ 28,512 | $ 20,858 | $ 20,858 | .193 |
| Therapists | 5 | $ 19,626 | $ 31,500 | $ 25,615 | $ 25,615 | .164 |
| Driver Education Teachers | 2 | $ 24,092 | $ 24,092 | $ 24,092 | $ 24,092 | .000 |
| Attendance Officer | 33 | $ 14,000 | $ 30,323 | $ 23,157 | $ 23,157 | .165 |
| Director - Vocational Education | 13 | $ 34,841 | $ 48,328 | $ 39,775 | $ 39,775 | .091 |
| Director - Special Services | 54 | $ 22,655 | $ 45,966 | $ 34,442 | $ 34,442 | .154 |
| Director - Art/Music | 12 | $ 26,150 | $ 38,939 | $ 32,916 | $ 32,916 | .117 |
| Director - Child Development | 2 | $ 27,000 | $ 33,453 | $ 30,227 | $ 30,227 | .151 |
| Director of Instruction | 27 | $ 22,058 | $ 44,150 | $ 37,540 | $ 38,191 | .118 |
| Educational Evaluator | 9 | $ 20,126 | $ 35,057 | $ 27,803 | $ 27,803 | .171 |
| Supervisor - Elementary Education | 21 | $ 29,058 | $ 44,806 | $ 38,186 | $ 38,793 | .129 |
| Supervisor - Secondary Education | 14 | $ 29,368 | $ 49,295 | $ 38,516 | $ 39,147 | .138 |

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PLT_1511-0190

APPENDIX TABLE E-4 (Continued)

| Personnel Classification | Number of Districts | Minimum | Maximum | Average | Median | Coeff. of Variation |
|---|---|---|---|---|---|---|
| Accountants | 17 | $ 11,100 | $ 35,992 | $ 19,929 | $ 19,929 | .363 |
| Purchasing Agents | 14 | $ 19,514 | $ 41,052 | $ 30,576 | $ 29,649 | .213 |
| Other Business Personnel | 10 | $ 12,794 | $ 29,457 | $ 22,901 | $ 24,701 | .273 |
| Other Office Personnel | 54 | $ 20,612 | $ 39.864 | $ 29,262 | $ 29,262 | .150 |
| Data Processing Staff | 9 | $ 13,500 | $ 38,982 | $ 27,907 | $ 28,164 | .322 |
| Maintenance Director | 31 | $ 13,356 | $ 43,104 | $ 30,064 | $ 31,580 | .234 |
| Other Prof. Non-instr. Staff | 14 | $ 18,348 | $ 41,500 | $ 30,268 | $ 30,134 | .178 |
| Personnel Director | 26 | $ 37,404 | $ 46,818 | $ 38,778 | $ 39,456 | .123 |
| Business Man./Finance Officer | 42 | $ 15,351 | $ 57,192 | $ 36,139 | $ 36,760 | .248 |
| Assistant Principals | 90 | $ 24,022 | $ 34,012 | $ 29,840 | $ 30,063 | .075 |
| Principals | 92 | $ 29,367 | $ 42,068 | $ 36,433 | $ 36,147 | .076 |
| Area Superintendents | 5 | $ 44,438 | $ 47,698 | $ 46,258 | $ 46,233 | .029 |
| Assistant Superintendents | 51 | $ 33,874 | $ 52,208 | $ 45,094 | $ 45,824 | .099 |
| Superintendents | 91 | $ 37,864 | $ 69,999 | $ 51,705 | $ 51,352 | .152 |

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APPENDIX F

# PROCEDURES FOR CALCULATING FULL-TIME-EQUIVALENT PUPILS

Prepared for

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Washington, DC

October 1991

## PROCEDURES FOR CALCULATING FULL-TIME-EQUIVALENT STUDENTS

To establish base costs for the funding formula, full-time equivalent (FTE) students had to be computed for each of the following program classifications: kindergarten; grades 1-3; grades 4-8; grades 9-12; nine categories of special education; and vocational education. The following procedures were used to establish these FTE counts for the state using data on pupils from nine representative school districts in South Carolina.

**First, ADMs for kindergarten, grades 1-3, 4-8, and 9-12 were established by placing special education and vocational education ADMs back in the regular grade student counts.** The number of special education ADMs in each grade level was determined by taking the number of students (head counts) reported on the survey form and applying the proportion of students at each grade level to special education ADM counts in state records. Half of the elementary students were counted in grades 1-3 and half were counted in grades 4-6. All middle school students were counted in grades 4-8 and all high school students were counted in grades 9-12. All vocational education ADMs were added to the count of students in grades 9-12. The procedures are illustrated below for a sample district.

Original District ADM Count from State Records

| K | 1-3 | 4-8 | 9-12 | Special Education | Vocational Education | Total ADM |
|---|---|---|---|---|---|---|
| 215.3 | 693.3 | 1,231.2 | 365.1 | 381.2 | 603.8 | 3,489.9 |

Head Count of Special Education Students on Survey

| School Level | Number of Students | Percent of Total |
|---|---|---|
| Elementary School | 276 | 61.88 |
| Middle School | 87 | 19.50 |
| High School | 83 | 18.62 |
| Total | 446 | 100.00 |

Number of Special Education ADMs at Each School Level

| | | |
|---|---|---|
| Elementary School | 381.2 x .6188 = | 235.8 |
| Middle School | 381.2 x .1950 = | 74.4 |
| High School | 381.2 x .1862 = | 70.9 |
| Total | | 381.2 |

New ADM Counts with Special and Vocational Education ADMs Included in K, 1-3, 4-8, and 9-12 ADMs

| K | 1-3 | 4-8 | 9-12 | Total ADM |
|---|---|---|---|---|
| 215.3 | 811.2 | 1,423.5 | 1,039.9 | 3,489.9 |

K = 215.3
1-3 = 693.3 + (.5)(235.8) = 811.2
4-8 = 1,231.2 + (.5)(235.8) + 74.4 = 1,423.5
9-12 = 365.1 + 70.9 + 603.8 = 1,039.9

**Second, special education FTEs were computed for each category of student at each school level (elementary, middle, and high school).** Each full-time student was counted as "1" FTE. Each part-time student was multiplied by the percent of time spent by the average student in the placement in special education to establish an FTE count for the part-time students. The number of full-time and part-time FTEs was summed to establish the total number of FTE students in each special education category. The process described below for Educationally Mentally Retarded students was used for each category of special education student except speech.

| EMR | Number of Full-Day Students | Number of Partial Day Students | Average Time Spent in Special Education | Total FTEs | | |
|---|---|---|---|---|---|---|
| Elementary | 7.0 | 25.0 | .20 | 7+ 25(.2) | = | 12.0 |
| Middle | 9.5 | 11.5 | .20 | 9.5 +11.5(.2) | = | 11.8 |
| High School | 0.0 | 19.0 | .20 | 19(.2) | = | 3.8 |

**Third, the number of FTE students in speech were computed.** Each student receiving speech was multiplied by the number of minutes in an instructional period and divided by the number of instructional periods in a school week (since most school districts offered speech instruction one period per week). In a district with 119 students receiving speech, 60-minute periods of instruction, and 360 minutes of instruction in the school day, the number of FTE speech students would be computed as follows:

119 x60/1800 = 3.96

**Fourth, vocational education FTEs were computed.** Each student in vocational education one period per a day was multiplied by the number of minutes in an instructional period and divided by the number of instructional minutes in the school day. Each student in vocational education two periods a day was multiplied by two times the number of minutes in an instructional period and divided by the number of instructional minutes in the school day. Each student in vocational education three periods were day was multiplied by three times the number of minutes in an instructional period and divided by the number of instructional minutes in the school day. In a school



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REC027079

district with 293.62 students receiving one period of vocational education, 99.1 students receiving two periods of vocational education, and 206.12 students receiving three periods of vocational education, the number of FTE students would be computed as follows, assuming that there were 60 minutes in an instructional period and 360 minutes of instruction in a school day:

| | | |
|---|---|---|
| 293.62 x 60/360 | = | 48.94 |
| 99.10 x 120/360 | = | 33.03 |
| 206.12 x 180/360 | = | 103.06 |
| Total FTEs | = | 185.03 |

Finally, the number of special education and vocational education FTEs was subtracted from the ADM counts for grades 1-3, 4-8, and 9-12 to establish FTEs for each of these grades. Half of the number of elementary special education FTEs were subtracted from ADM counts for grades 1-3; half were subtracted from grades 4-6. The number of middle school FTE special education students was subtracted from the ADM count for grades 4-8; and the number of high school FTEs for special education and vocational education were subtracted from the ADM count for grades 9-12.

ADM Counts with Special and Vocational Education ADMs Included in K, 1-3, 4-8, and 9-12 ADMs

| K | 1-3 | 4-8 | 9-12 | Total ADM |
|---|---|---|---|---|
| 215.3 | 811.2 | 1,423.5 | 1,039.9 | 3,489.9 |

FTE Counts for K, 1-3, 4-8, and 9-12, Excluding FTEs for Special Education and Vocational Education

| K | 1-3 | 4-8 | 9-12 | Special Education | Vocational Education | Total ADM |
|---|---|---|---|---|---|---|
| 215.3 | 779.9 | 1,360.3 | 833.0 | 116.4 | 185.0 | 3,489.9 |

| | |
|---|---|
| K | = 215.3 |
| 1-3 | = 811.2 - (.5)(31.3) = 779.9 |
| 4-8 | = 1,423.5 - (.5)(31.3) - 31.9 = 1,360.3 |
| 9-12 | = 1,039.9 - 21.9 - 185.0 = 833.0 |
| Special Education | = 27.7 (EMR) + 15.0 (TMR) + 1.0 (OH) + 36.7 (EH) + 18.2 (LD) + 14.0 (HBD) 3.9 (Speech) = 116.4 |
| Vocational Education | = 48.9 + 33.0 + 103.1 = 185.0 |
| Total FTE | = 3,489.9 |



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REC027080

# SURVEY OF ARTS EDUCATION, SPECIAL EDUCATION, AND VOCATIONAL EDUCATION

**Prepared by:**

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**Prepared for:**

**Joint Legislative Committee to Study Formula Funding in Education Programs**

**The Senate of South Carolina**
**Columbia, South Carolina**

**May, 1991**

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REC027081

## GENERAL INSTRUCTIONS

This survey package contains surveys of three program areas: arts education (including art and music); special education; and vocational education. The questionnaires are designed to collect data on the number of students served in each of these program areas and data on expenditures for art and music programs during the 1989-90 school year. The data will be used to: 1) review formula program weightings for special education and vocational education in the Education Finance Act (EFA); 2) to determine whether arts education should be given a program weighting in the EFA; and 3) recommend a program weighting for arts education, if appropriate.

### ARTS EDUCATION (ART AND MUSIC)

The survey package contains a form for each elementary school, middle/junior high school, and high school in the district. Please complete a separate form on art and music instruction for each school. These school forms will be aggregated onto summary forms at Pelavin Associates after the school surveys have been returned to us. If it is more convenient for you to complete the summary forms than the individual school forms, we are enclosing a set of summary forms for this purpose.

The school forms request a description of the art (and music) programs and information on the number of students enrolled in school during the 1989-90 school year, the number of students who received instruction in art (and music), the amount of instruction students received in art (and music), and expenditures for art (and music) during the 1989-90 school year.

### SPECIAL EDUCATION

The survey package contains three forms for the special education program in the district--one for elementary schools, one for middle/junior high schools, and one for high schools. These survey forms should be completed based on the information in each student's individualized education plan (IEP). The forms are designed to obtain information on the number of students served in different types of special education programs during the 1989-90 school year.

### VOCATIONAL EDUCATION

The survey package contains a form for each middle/junior high school and high school in the district. Please complete a separate form on pre-vocational education and vocational education for each school. These school forms will be aggregated onto summary forms at Pelavin Associates after the school surveys have been returned to us.

The middle school forms request a description of the pre-vocational education program and information on the number of students in ADM in the school during the 1989-90 school year, the number of students who received instruction in pre-vocational classes, and the amount of instruction students received in pre-vocational classes (number of classes--or periods of instruction--and number of minutes in each instruction period.) The high school forms request information on the number of students in ADM in the school, the number of students enrolled in one, two, or three vocational classes, and the number of minutes of instruction in each class period. Provide counts of students enrolled in one, two, or three vocational education classes for either the fall or the spring semester.

## INSTRUCTIONS FOR COMPLETING SURVEY OF SPECIAL EDUCATION PROGRAMS

1. Number of Students in All Special Education Programs. In Column 1 please provide the number of students who participate in special education for the full day. This number should include students who ONLY participate in special education. It should exclude students who participate in special education AND who also obtain speech services. In Column 2 provide the number of students who participate in special education for part of the day and participate in a regular classroom for the rest of the day. In Column 3 provide the number of students who participate in special education AND obtain speech services.

2. Time Spent in Special Education and Regular Classes. Question 2 is designed to provide more detailed information about students who participate in special education for only part of the school day. Specifically it designed to determine how much time these students spend in special education and how much time they spend in a regular classroom. Using each student's IEP, calculate the average amount of time that students spend in each of these settings. Please provide the average amount of time spent in each setting. The percentages should add up to 100%.

3. Number of Students Receiving Speech. Question 3 is designed to provide a count of the number of students who participate in SPEECH CLASSES ONLY. Please provide counts of the number of students who receive speech only. Students who receive other special education services AND speech should not be included here. They should be included in the counts provided in response to Question 1.

4. Average Number of Minutes of Speech Instruction. Please provide the average number of minutes of speech instruction students receive per week. If a student receives one period of speech each day and each period is 45 minutes, the average number of minutes of speech would be 225 minutes.

## SPECIAL EDUCATION

1. Number of ELEMENTARY SCHOOL STUDENTS (ADM) in special education programs (1989-90)

| Handicapping Condition | Full Day in Special Education | Partial Day in Special Education | Special Education and Speech |
|---|---|---|---|
| Educationally Mentally Retarded | | | |
| Trainable Mentally Retarded | | | |
| Orthopedically Handicapped | | | |
| Visually Handicapped | | | |
| Hearing Handicapped | | | |
| Emotionally Handicapped | | | |
| Learning Disabilities | | | |
| Homebound | | | |

2. Where students spend a partial day in special education (Column 2 of Question 1), indicate the average percent of time they spend in a regular classroom and in special education.

| Handicapping Condition | Average Percent of Time in Special Education | Average Percent of Time in Regular Classroom |
|---|---|---|
| Educationally Mentally Retarded | | |
| Trainable Mentally Retarded | | |
| Orthopedically Handicapped | | |
| Visually Handicapped | | |
| Hearing Handicapped | | |
| Emotionally Handicapped | | |
| Learning Disabilities | | |
| Homebound | | |

3. Number of students receiving Speech (exclude all students who are receiving speech in response to Question 1. _____

4. Average number of minutes of speech instruction each student received per week. _____

## SPECIAL EDUCATION

1. Number of MIDDLE/JUNIOR HIGH SCHOOL STUDENTS (ADM) in special education programs (1989-90)

| Handicapping Condition | Full Day in Special Education | Partial Day in Special Education | Special Education and Speech |
|---|---|---|---|
| Educationally Mentally Retarded | | | |
| Trainable Mentally Retarded | | | |
| Orthopedically Handicapped | | | |
| Visually Handicapped | | | |
| Hearing Handicapped | | | |
| Emotionally Handicapped | | | |
| Learning Disabilities | | | |
| Homebound | | | |

2. Where students spend a partial day in special education (Column 2 of Question 1), indicate the average percent of time they spend in a regular classroom and in special education.

| Handicapping Condition | Average Percent of Time in Special Education | Average Percent of Time in Regular Classroom |
|---|---|---|
| Educationally Mentally Retarded | | |
| Trainable Mentally Retarded | | |
| Orthopedically Handicapped | | |
| Visually Handicapped | | |
| Hearing Handicapped | | |
| Emotionally Handicapped | | |
| Learning Disabilities | | |
| Homebound | | |

3. Number of students receiving Speech (exclude all students who are receiving speech in response to Question 1. _____

4. Average number of minutes of speech instruction each student received per week. _____

## SPECIAL EDUCATION

1. Number of HIGH SCHOOL STUDENTS (ADM) in special education programs (1989-90)

| Handicapping Condition | Full Day in Special Education | Partial Day in Special Education | Special Education and Speech |
|---|---|---|---|
| Educationally Mentally Retarded | | | |
| Trainable Mentally Retarded | | | |
| Orthopedically Handicapped | | | |
| Visually Handicapped | | | |
| Hearing Handicapped | | | |
| Emotionally Handicapped | | | |
| Learning Disabilities | | | |
| Homebound | | | |

2. Where students spend a partial day in special education (Column 2 of Question 1), indicate the average percent of time they spend in a regular classroom and in special education.

| Handicapping Condition | Average Percent of Time in Special Education | Average Percent of Time in Regular Classroom |
|---|---|---|
| Educationally Mentally Retarded | | |
| Trainable Mentally Retarded | | |
| Orthopedically Handicapped | | |
| Visually Handicapped | | |
| Hearing Handicapped | | |
| Emotionally Handicapped | | |
| Learning Disabilities | | |
| Homebound | | |

3. Number of students receiving Speech (exclude all students who are receiving speech in response to Question 1. _____

4. Average number of minutes of speech instruction each student received per week. _____

INSTRUCTIONS FOR COMPLETING SURVEY OF VOCATIONAL EDUCATION PROGRAMS

Middle Schools

1. Please provide a brief description of the pre-vocational education program in the middle school.

2. Number of Students in ADM. Please provide a count of the number of students in ADM during the 1989-90 school year.

3. Number of Students in Pre-Vocational Education. Please provide a count of the number of students enrolled in pre-vocational education classes. Provide counts of the number of students enrolled in either the fall or spring semester.

4. Total Number of Minutes in the School Day. Please provide the total number of minutes during the school day. If the school operates from 8:40 to 3:00 each day, the total number of minutes would be 380.

5. Number of Minutes in the School Day (excluding lunch). Please exclude lunch periods from the number of minutes of school time. If the lunch hour is 40 minutes per day, the number of minutes in the school day would be 340 (380 minus 40).

6. Number of Pre-Vocational Classes Received Per Week by Each Student. Please record the number of pre-vocational classes each student in a pre-vocational program receives each week.

7. Number of Minutes in Each Class Period. Please report the number of minutes in each class period during a normal school day.

High School

1. Number of Students in ADM. Please provide a count of the number of students in ADM during the 1989-90 school year.

2. Number of Students in Vocational Education One Period Per Day. Please provide a count of the number of students who receive vocational education one period per day. Provide counts of students for either the fall or spring semester.

3. Number of Students in Vocational Education Two Periods Per Day. Please provide a count of the number of students who receive vocational education two periods per day. Provide counts of students for either the fall or spring semester.

4. Number of Students in Vocational Education Three Periods Per Day. Please provide a count of the number of students who receive vocational education three periods per day. Provide counts of students for either the fall or spring semester.

5. Total Number of Minutes in the School Day. Please provide the total number of minutes during the school day. If the school operates from 8:40 to 3:00 each day, the total number of minutes would be 380.

6. Number of Minutes in the School Day (excluding lunch). Please exclude lunch periods from the number of minutes of school time. If the lunch hour is 40 minutes per day, the number of minutes in the school day would be 340 (380 minus 40).

7. Number of Minutes in Each Class Period. Please report the number of minutes in each class period during a normal school day.

## VOCATIONAL AND PRE-VOCATIONAL EDUCATION

Middle/Junior High School_____

1. Describe the pre-vocational program in the middle school.

_____

_____

_____

_____

2. Number of students in ADM (1989-90 school year)_____

3. Number of students (ADM) in pre-vocational education (1989-90)_____

4. Number of minutes in the school day (including lunch periods)_____

5. Number of minutes in the school day (excluding lunch periods)_____

6. Average number of pre-vocational classes received per week by each student enrolled in pre-vocational classes_____

7. Number of minutes in each class period_____

## VOCATIONAL AND PRE-VOCATIONAL EDUCATION

High School_____

1. Number of students in ADM (1989-90 school year)_____

2. Number of students (ADM) in vocational education one period per day (1989-90)_____

3. Number of students (ADM) in vocational education two periods per day (1989-90)_____

4. Number of students (ADM) in vocational education three periods per day (1989-90)_____

5. Number of minutes in the school day (including lunch periods)_____

6. Number of minutes in the school day (excluding lunch periods)_____

7. Number of minutes of instruction in each class period_____

XP/PLT_JP-0919

PLAINTIFF'S EXHIBIT 1556

## Three-Year Average Teacher Turnover Rate
### 98-99, 99-00, 00-01

| Rank | District | 98-99 | 99-00 | 00-01 | Average |
|---|---|---|---|---|---|
| 1 | McCormick | 20.3 | 24.0 | 31.6 | 25.30 |
| ✓ 2 | Hampton 2 | 25.6 | 26.7 | 23.5 | 25.27 |
| ✓ 3 | Allendale | 17.2 | 30.6 | 25.4 | 24.40 |
| 4 | Lexington 4 | 26.9 | 18.4 | 26.6 | 23.97 |
| ✓ 5 | Jasper | 17.7 | 27.1 | 26.4 | 23.73 |
| ✓ 6 | Marion 7 | 20.1 | 27.7 | 20.7 | 22.83 |
| ✓ 7 | Lee | 19.0 | 24.9 | 24.4 | 22.77 |
| ✓ 8 | Florence 4 | 18.3 | 17.3 | 26.1 | 20.57 |
| 9 | Bamberg 2 | 20.3 | 20.9 | 19.7 | 20.30 |
| 10 | Florence 3 | 22.1 | 20.9 | 14.1 | 19.03 |
| 11 | Barnwell 29 | 16.1 | 20.0 | 20.0 | 18.70 |
| 12 | Richland 1 | 17.2 | 18.9 | 19.4 | 18.50 |
| 13 | Anderson 3 | 16.1 | 22.4 | 15.9 | 18.13 |
| 14 | Laurens 55 | 14.2 | 18.1 | 21.2 | 17.83 |
| 15 | Saluda | 13.6 | 24.5 | 14.8 | 17.63 |
| 16 | Barnwell 19 | 19.4 | 20.3 | 12.5 | 17.40 |
| 17 | Williamsburg | 13.2 | 13.0 | 25.1 | 17.10 |
| 18 | Greenwood 51 | 13.8 | 21.3 | 15.0 | 16.70 |
| 19 | Marion 1 | 14.9 | 16.9 | 14.7 | 15.50 |
| 20 | Clarendon 1 | 17.9 | 13.8 | 14.6 | 15.43 |
| 21 | Marion 2 | 14.0 | 16.4 | 15.6 | 15.33 |
| 22 | Sumter 2 | 16.1 | 11.4 | 18.3 | 15.27 |
| 23 | Charleston | 13.5 | 15.2 | 16.3 | 15.00 |
| 24 | Richland 2 | 14.8 | 13.5 | 16.1 | 14.80 |
| 25 | Dillon 3 | 12.7 | 16.7 | 14.3 | 14.57 |
| 26 | Fairfield | 13.0 | 14.1 | 16.4 | 14.50 |
| 27 | Georgetown | 15.9 | 11.8 | 15.8 | 14.50 |
| 28 | Clarendon 2 | 12.6 | 14.3 | 15.8 | 14.23 |
| 29 | Dorchester 2 | 12.6 | 15.1 | 14.5 | 14.07 |
| 30 | Chester | 11.4 | 11.6 | 19.2 | 14.07 |
| 31 | Orangeburg 5 | 14.2 | 13.7 | 14.2 | 14.03 |
| 32 | Sumter 17 | 13.7 | 11.4 | 15.5 | 13.53 |
| 33 | Hampton 1 | 17.8 | 9.6 | 13.2 | 13.53 |
| 34 | York 1 | 9.9 | 16.7 | 13.5 | 13.37 |
| 35 | Beaufort | 11.9 | 15.3 | 12.8 | 13.33 |
| 36 | Berkeley | 11.8 | 14.0 | 13.8 | 13.20 |
| 37 | Spartanburg 5 | 8.9 | 14.4 | 15.8 | 13.03 |
| 38 | Clarendon 3 | 11.6 | 13.0 | 14.2 | 12.93 |
| 39 | Dorchester 4 | 11.8 | 10.7 | 16.1 | 12.87 |
| 40 | Calhoun | 10.2 | 12.9 | 15.4 | 12.83 |
| 41 | Dillon 1 | 5.9 | 16.4 | 15.7 | 12.67 |
| 42 | Abbeville | 12.7 | 11.4 | 13.7 | 12.60 |
| 43 | Newberry | 9.7 | 14.0 | 13.4 | 12.37 |
| 44 | Spartanburg 1 | 6.6 | 15.8 | 14.7 | 12.37 |
| 45 | Lexington 2 | 12.7 | 12.9 | 10.1 | 11.90 |
| 46 | Aiken | 11.1 | 12.5 | 12.1 | 11.90 |
| 47 | Florence 1 | 12.3 | 11.1 | 12.2 | 11.87 |
| 48 | Darlington | 12.2 | 11.2 | 12.0 | 11.80 |
| 49 | Anderson 5 | 9.8 | 12.0 | 13.6 | 11.80 |
| ✓ 50 | Dillon 2 | 11.6 | 12.6 | 11.0 | 11.73 |

Compiled by the
SC Center for Teacher Recruitment
800-476-2387
SOURCE: SC Dept. of Education

DEFENDANT'S EXHIBIT 9

10.29.2002

EXP/PLT-JP-0919

PLT_1556

REC027241

## Three-Year Average Teacher Turnover Rate
98-99, 99-00, 00-01

| | | | | | |
|---|---|---|---|---|---|
| 51 | Greenville | 10.5 | 11.9 | 12.4 | 11.60 |
| 52 | Orangeburg 3 | 13.0 | 9.2 | 12.3 | 11.50 |
| 53 | Florence 2 | 9.0 | 14.5 | 11.0 | 11.50 |
| 54 | Chesterfield | 10.6 | 11.5 | 12.2 | 11.43 |
| 55 | Orangeburg 4 | 10.3 | 9.3 | 14.7 | 11.43 |
| 56 | Greenwood 50 | 10.4 | 11.4 | 12.2 | 11.33 |
| 57 | Lexington/Richland | 10.3 | 10.9 | 12.4 | 11.20 |
| 58 | Spartanburg 4 | 9.8 | 14.2 | 9.5 | 11.17 |
| 59 | Lancaster | 10.8 | 9.8 | 12.9 | 11.17 |
| 60 | Spartanburg 3 | 8.7 | 9.9 | 14.4 | 11.00 |
| 61 | Kershaw | 10.6 | 8.9 | 12.8 | 10.77 |
| 62 | Oconee | 9.0 | 13.5 | 9.6 | 10.70 |
| 63 | York 2 | 11.6 | 11.7 | 8.8 | 10.70 |
| 64 | Spartanburg 6 | 9.2 | 11.0 | 11.2 | 10.47 |
| 65 | Horry | 9.6 | 9.8 | 11.9 | 10.43 |
| 66 | Anderson 1 | 8.3 | 11.1 | 11.9 | 10.43 |
| 67 | Marlboro | 13.4 | 8.5 | 8.9 | 10.27 |
| 68 | Spartanburg 2 | 8.5 | 11.2 | 10.9 | 10.20 |
| 69 | Lexington 3 | 12.2 | 6.6 | 11.8 | 10.20 |
| 70 | Colleton | 10.7 | 11.6 | 8.2 | 10.17 |
| 71 | Lexington 1 | 10.0 | 10.0 | 10.4 | 10.13 |
| 72 | York 3 | 7.8 | 10.3 | 12.0 | 10.03 |
| 73 | Edgefield | 11.0 | 9.1 | 9.8 | 9.97 |
| 74 | York 4 | 8.5 | 9.8 | 11.5 | 9.93 |
| 75 | Cherokee | 11.0 | 8.5 | 9.7 | 9.73 |
| 76 | Greenwood 52 | 9.8 | 12.2 | 7.1 | 9.70 |
| 77 | Spartanburg 7 | 12.4 | 7.8 | 8.1 | 9.43 |
| 78 | Florence 5 | 10.3 | 6.5 | 9.9 | 8.90 |
| 79 | Anderson 4 | 12.4 | 7.2 | 6.7 | 8.77 |
| 80 | Laurens 56 | 8.2 | 9.5 | 8.0 | 8.57 |
| 81 | Anderson 2 | 5.8 | 10.4 | 6.8 | 7.67 |
| 82 | Pickens | 7.0 | 7.8 | 8.0 | 7.60 |
| 83 | Bamberg 1 | 7.1 | 5.7 | 8.6 | 7.13 |
| 84 | Union | 5.2 | 9.2 | 6.9 | 7.10 |
| 85 | Barnwell 45 | 9.4 | 5.1 | 5.0 | 6.50 |

Compiled by the
SC Center for Teacher Recruitment
800-476-2387
SOURCE: SC Dept. of Education

10.29.2002

| District | Teaching Positions Vacant | Vacant Positions | No. of Teachers Leaving | Teachers of Color Hired | Males Hired | Long-term Substitutes | First Year PACE | Second Year PACE | Third Year CNCP |
|---|---|---|---|---|---|---|---|---|---|
| Abbeville | 32 | 0 | 34 | 3 | 11 | 0 | 3 | 3 | 1 |
| Aiken | 244 | 5 | 200 | 37 | 53 | 0 | 10 | 15 | 15 |
| Allendale | 42 | 10 | 35 | 20 | 5 | 9 | 5 | 6 | 5 |
| Anderson 1 | 53 | 0 | 35 | 1 | 11 | 0 | 2 | 1 | 0 |
| Anderson 2 | 15 | 0 | 12 | 1 | 3 | 0 | 1 | 1 | 0 |
| Anderson 3 | 17 | 0 | 17 | 2 | 5 | 1 | 1 | 0 | 0 |
| Anderson 4 | 11 | 0 | 12 | 1 | 1 | 0 | 0 | 0 | 1 |
| Anderson 5 | 97 | 1 | 72 | 9 | 20 | 8 | 7 | 6 | 2 |
| Bamberg 1 | 7 | 0 | 11 | 3 | 2 | 0 | 2 | 1 | 0 |
| Bamberg 2 | 20 | 0 | 21 | 15 | 4 | 0 | 9 | 3 | 1 |
| Barnwell 19 | 7 | 2 | 14 | 1 | 3 | 2 | 1 | 2 | 4 |
| Barnwell 29 | 11 | 2 | 14 | 2 | 3 | 0 | 4 | 0 | 0 |
| Barnwell 45 | 10 | 0 | 10 | 1 | 2 | 0 | 0 | 0 | 0 |
| Beaufort | 167 | 10 | 123 | 29 | 41 | 5 | 11 | 24 | 11 |
| Berkeley | 224 | 14 | 220 | 38 | 47 | 10 | 14 | 19 | 22 |
| Calhoun | 10 | 1 | 13 | 6 | 2 | 2 | 1 | 0 | 1 |
| Charleston | 419 | 64 | 660 | 75 | 74 | 3 | 53 | 73 | 60 |
| Cherokee | 64 | 0 | 67 | 12 | 13 | 1 | 4 | 2 | 11 |
| Chester | 51 | 1 | 51 | 13 | 14 | 0 | 5 | 4 | 5 |
| Chesterfield | 48 | 7.5 | 42 | 9 | 9 | 6 | 4 | 3 | 10 |
| Clarendon 1 | 70 | 3 | 11 | 3 | 2 | 3 | 0 | 1 | 2 |
| Clarendon 2 | 14 | 1 | 13 | 5 | 5 | 1 | 2 | 1 | 1 |
| Clarendon 3 | 6 | 1 | 7 | 4 | 3 | 0 | 2 | 0 | 0 |
| Colleton | 62 | 8 | 68 | 24 | 18 | 5 | 7 | 4 | 5 |
| Darlington | 84 | 12 | 118 | 28 | 21 | 7 | 21 | 8 | 10 |
| Dillon 1 | 4 | 0 | 6 | 0 | 2 | 1 | 2 | 0 | 1 |
| Dillon 2 | 19 | 7 | 24 | 4 | 0 | 1 | 2 | 2 | 3 |
| Dillon 3 | 9 | 2 | 6 | 3 | 2 | 0 | 0 | 1 | 0 |
| Dorchester 2 | 181 | 1 | 146 | 11 | 17 | 0 | 6 | 12 | 10 |
| Dorchester 4 | 23 | 4 | 16 | 8 | 7 | 3 | 1 | 1 | 3 |
| Edgefield | 6 | 10 | 18 | 1 | 1 | 4 | 5 | 3 | 1 |
| Fairfield | 58 | 0 | 58 | 38 | 13 | 0 | 16 | 3 | 2 |
| Florence 1 | 124 | 0 | 141 | 25 | 26 | 0 | 16 | 5 | 6 |
| Florence 2 | 6 | 0 | 5 | 1 | 1 | 0 | 2 | 3 | 1 |
| Florence 3 | 26.5 | 0 | 19 | 9 | 10 | 0 | 9 | 6 | 3 |
| Florence 4 | 17 | 3 | 15 | 16 | 3 | 2 | 5 | 6 | 1 |
| Florence 5 | 4 | 0 | 4 | 1 | 1 | 0 | 1 | 0 | 1 |
| Georgetown | 96 | 4 | 114 | 29 | 25 | 4 | 12 | 3 | 9 |
| Greenville | 482 | 30 | 486 | 55 | 96 | 18 | 49 | 60 | 11 |
| Greenwood 50 | 81 | 6 | 56 | 16 | 16 | 2 | 7 | 11 | 3 |
| Greenwood 51 | 10 | 0 | 9 | 1 | 2 | 0 | 1 | 0 | 1 |
| Greenwood 52 | 9 | 0 | 3 | 0 | 1 | 0 | 0 | 1 | 0 |
| Hampton 1 | 3 | 0 | 4 | 0 | 0 | 0 | 7 | 3 | 0 |
| Hampton 2 | 28 | 4 | 28 | 14 | 13 | 4 | 4 | 3 | 1 |
| Horry | 266 | 4 | 116 | 25 | 58 | 1.5 | 13 | 7 | 8 |
| Jasper | 55 | 9 | 39 | 8 | 5 | 4 | 11 | 4 | 0 |
| Kershaw | 105 | 4 | 75 | 17 | 25 | 0 | 10 | 2 | 3 |
| Lancaster | 63 | 0 | 72 | 10 | 14 | 0 | 7 | 8 | 3 |
| Laurens 55 | 46 | 0 | 52 | 11 | 8 | 0 | 4 | 5 | 4 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Laurens 56 | 26 | 0 | 31 | 2 | 5 | 1 | 2 | 0 | 1 |
| Lee | 61 | 1 | 52 | 39 | 12 | 2 | 12 | 15 | 10 |
| Lexington 1 | 132 | 4 | 138 | 5 | 25 | 0 | 5 | 10 | 7 |
| Lexington 2 | 54 | 0 | 72 | 5 | 14 | 0 | 2 | 10 | 8 |
| Lexington 3 | 6 | 0 | 10 | 0 | 3 | 0 | 0 | 1 | 0 |
| Lexington 4 | 37 | 1 | 33 | 1 | 7 | 0 | 2 | 6 | 3 |
| Lexington/Richland 5 | 116 | 2 | 88 | 21 | 18 | 0 | 5 | 5 | 11 |
| Marion 1 | 34 | 0 | 41 | 1 | 2 | 0 | 1 | 1 | 0 |
| Marion 2 | 7 | 1 | 11 | 0 | 3 | 0 | 0 | 0 | 0 |
| Marion 7 | 5 | 0 | 12 | 3 | 3 | 0 | 2 | 2 | 0 |
| Marlboro | 38 | 12 | 39 | 16 | 11 | 12 | 13 | 6 | 1 |
| McCormick | 14 | 1 | 0 | 3 | 4 | 4 | 2 | 4 | 3 |
| Newberry | 67 | 1 | 63 | 11 | 14 | 1 | 10 | 9 | 4 |
| Oconee | 69 | 0 | 49 | 3 | 18 | 0 | 2 | 3 | 1 |
| Orangeburg 3 | 25 | 11 | 29 | 17 | 8 | 17 | 1 | 11 | 4 |
| Orangeburg 4 | 33 | 5 | 36 | 19 | 10 | 6 | 1 | 1 | 2 |
| Orangeburg 5 | 71 | 2 | 63 | 46 | 9 | 0 | 6 | 7 | 8 |
| Pickens | 59 | 0 | 59 | 0 | 15 | 20 | 2 | 0 | 0 |
| Richland 1 | 257 | 13.4 | 316 | 131 | 59 | 23 | 47 | 5 | 41 |
| Richland 2 | 194 | 3 | 117 | 46 | 34 | 13 | 20 | 28 | 0 |
| Saluda | 38 | 0 | 38 | 5 | 3 | 0 | 6 | 8 | 10 |
| Spartanburg 1 | 24 | 0 | 36 | 0 | 5 | 0 | 0 | 0 | 0 |
| Spartanburg 2 | 41 | 0 | 42 | 1 | 7 | 0 | 0 | 0 | 0 |
| Spartanburg 3 | 21 | 0 | 17 | 3 | 5 | 0 | 1 | 0 | 0 |
| Spartanburg 4 | 15 | 0 | 16 | 1 | 2 | 0 | 0 | 1 | 0 |
| Spartanburg 5 | 48 | 3 | 45 | 1 | 7 | 0 | 3 | 3 | 0 |
| Spartanburg 6 | 75 | 0 | 70 | 6 | 15 | 1 | 5 | 0 | 0 |
| Spartanburg 7 | 59.3 | 0 | 66 | 20 | 16 | 0 | 3.4 | 4 | 1 |
| Sumter 17 | 70 | 14 | 83 | 16 | 16 | 2 | 11 | 17 | 13 |
| Sumter 2 | 75 | 0 | 100 | 33 | 14 | 0 | 9 | 11 | 11 |
| Union | 20 | 0 | 26 | 0 | 4 | 0 | 0 | 3 | 2 |
| Williamsburg | 47 | 9 | 45 | 31 | 15 | 9 | 6 | 5 | 2 |
| York 1 | 41 | 1 | 32 | 3 | 5 | 1 | 1 | 5 | 4 |
| York 2 | 13 | 0 | 20 | 1 | 1 | 1 | 1 | 1 | 1 |
| York 3 | 110 | 9 | 101 | 16 | 23 | 38 | 9 | 6 | 4 |
| York 4 | 46 | 0 | 20 | 9 | 13 | 0 | 2 | 0 | 1 |
| Department of Juv | 10 | 0 | 8 | 1 | 2 | 0 | 1 | 0 | 0 |
| CSDB | 10 | 11 | 9 | 2 | 1 | 1 | 0 | 1 | 1 |
| Totals | 5574.8 | 334.9 | 5425 | 1163 | 1146 | 259.5 | 552.4 | 515 | 396 |

ResearchBrief Translating Education Research into Action

April 15, 2003 | Volume 1 Number 8

# The Cost of Teacher Turnover

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## The Question

What does it cost school districts to replace teachers leaving the profession?

## The Context

The significant negative effect on schools and students of teachers leaving the profession has been the focus of many recent studies. These studies find that high rates of teacher turnover play a significant role in teacher shortages and out-of-field teaching, with a disproportionate effect on high-poverty schools. Although substantive learning effects are an important part of any discussion of teacher turnover, also important, and often overlooked, is the fiscal effect on districts of teachers leaving the school, district, or profession. By having a reliable estimate of teacher turnover costs, districts can more adequately assess the effect of such turnover, as well as examine the cost-effectiveness of implementing interventions designed to reduce turnover, including induction and mentoring programs. This study attempted to quantify the fiscal effect of teachers leaving the profession on the state of Texas and school districts within the state.

## The Study

Rather than examine the classroom effect of teachers leaving the profession, this study used models typically found in industry for estimating the costs of employee turnover and applied these methods to school districts. The most conservative model estimates turnover costs at a percentage of an employee's wages and benefits (typically 25–30 percent). Using this method, the authors estimated that, in 1999, the cost to Texas systems of losing each teacher ranged from $8,231 (for a teacher with no experience) to $13,122 (for a teacher with 20 years of experience). The average cost turned out to be $11,120.

Although turnover costs as a percentage of wages and benefits provide a useful preliminary estimate, such formulas are conservative and do not necessarily accurately estimate organizational costs related to termination, recruitment and hiring, substitute salaries, learning curve loss, or training. The authors looked at five other models that attempt to identify more accurate turnover cost estimates, and ultimately used two "pragmatic" models to provide comprehensive cost estimates. Under the first pragmatic model, the average cost, per teacher, was $56,115. This industry-based model estimated that when termination, hiring, and screening costs are combined with costs required to cover vacant positions, account for learning curve loss (estimated at five months for an employee to reach full productivity), and training, total costs to the organizations would be approximately 150 percent of the leaver's salary.

The second pragmatic model attempted to quantify district costs through detailed analysis of actual district costs (obtained from interviews and district supplied expense data). The authors looked at separation costs, hiring costs, and training costs in three districts (two large urban areas outside of central cities—and one small rural area). Two of the districts had a higher turnover rate than the state average, while one district faced a lower

turnover rate. Using this model, the turnover costs were found to vary wicely by district, from $355 (this district's training costs were not available and this district also reported little difficulty finding new teachers), to $3,367 and $5,166 per teacher. Combining these estimates with industry models, the author recommended a turnover cost estimate of 20 percent of each leaving teacher's annual salary.

Statewide, the authors estimated that teacher turnover costs Texas schools from $329 million per year to $1.59 billion—and recommended addressing the issue by implementing strategies design to increase teacher retention.

### Who's affected?

The study affects schools and districts planning strategies to respond to teacher turnover issues.

### Caveats

Although this study provides useful information regarding the costs associated with replacing teachers leaving the profession, it was not published in a peer-reviewed journal. Additionaly, the data used are specific to Texas and may not be applicable to other states. The wide variation in district costs apparent in the second pragmatic model suggests that there may be some equity concerns when looking at the ability of individual districts to respond to teacher turnover. The Texas Center for Educational Research, where this research was conducted, is a joint project of the Texas Association of School Boards, the Texas Association of School Administrators, and the Texas State Board of Education.

### The Bottom Line

The cost to education systems of teachers leaving the profession amount to approximately 20 percent of each leaving teacher's salary. The application of industry models in estimating such costs may be a useful strategy for schools and districts examining teacher turnover issues.

### The Study

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### Other Resources

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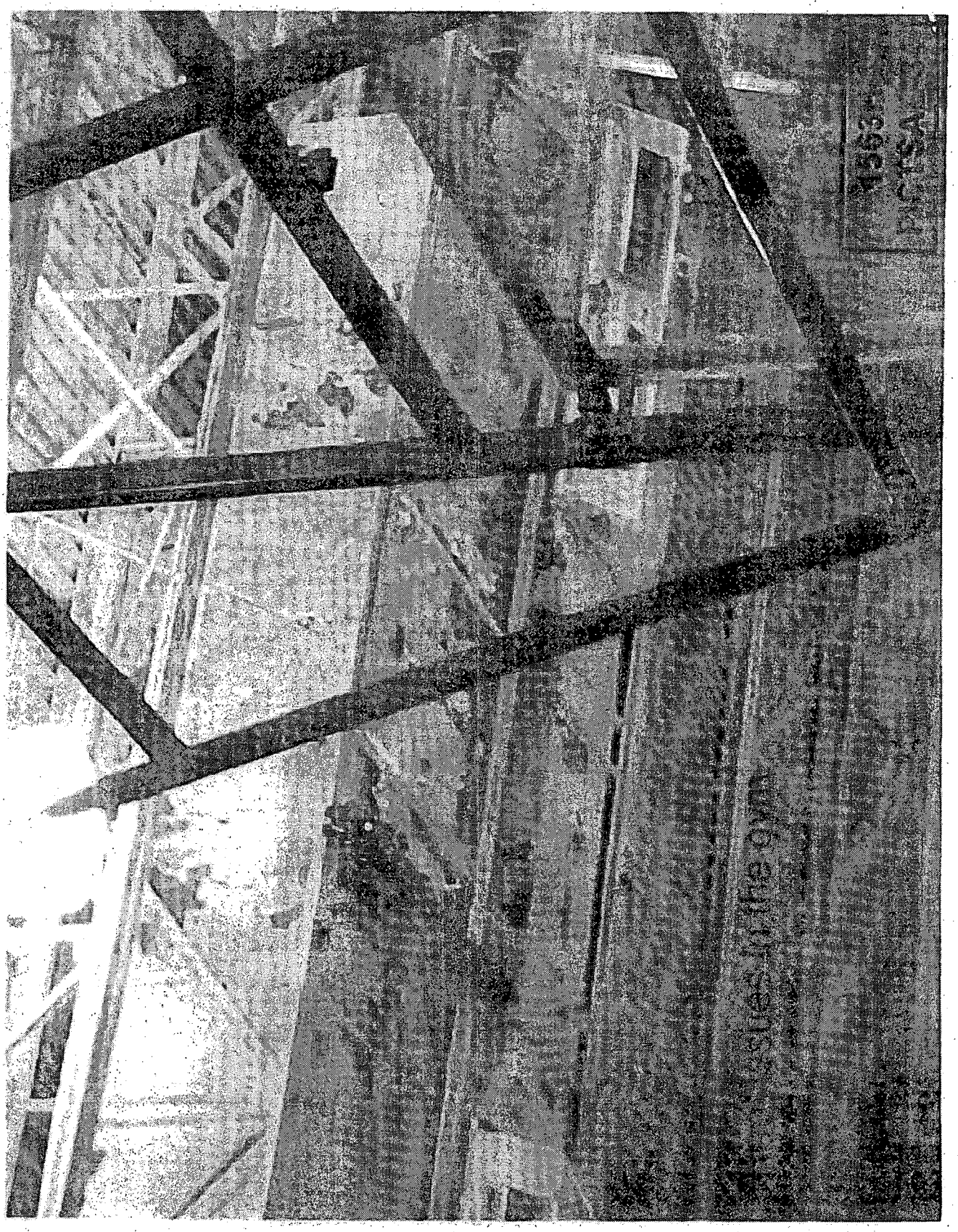
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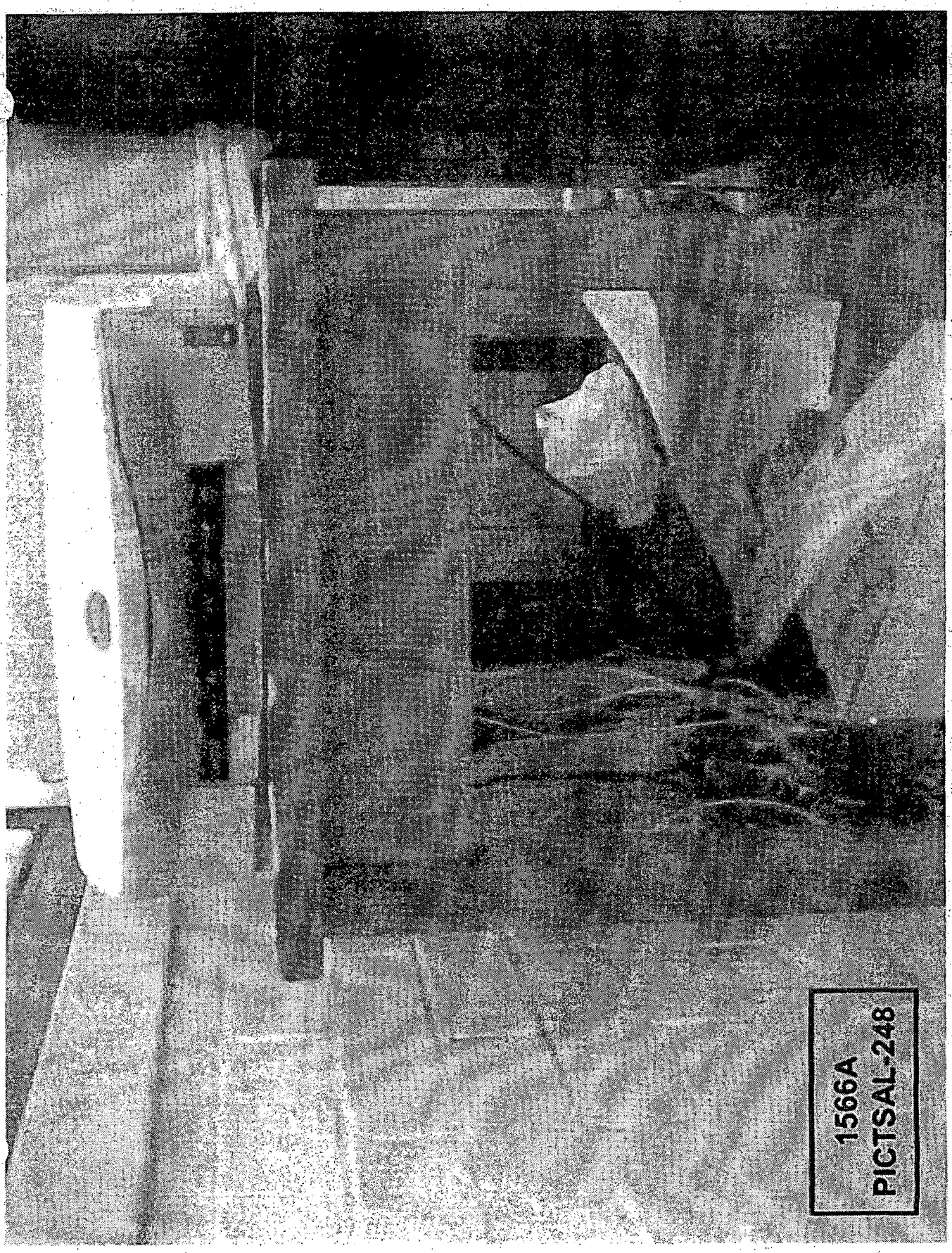
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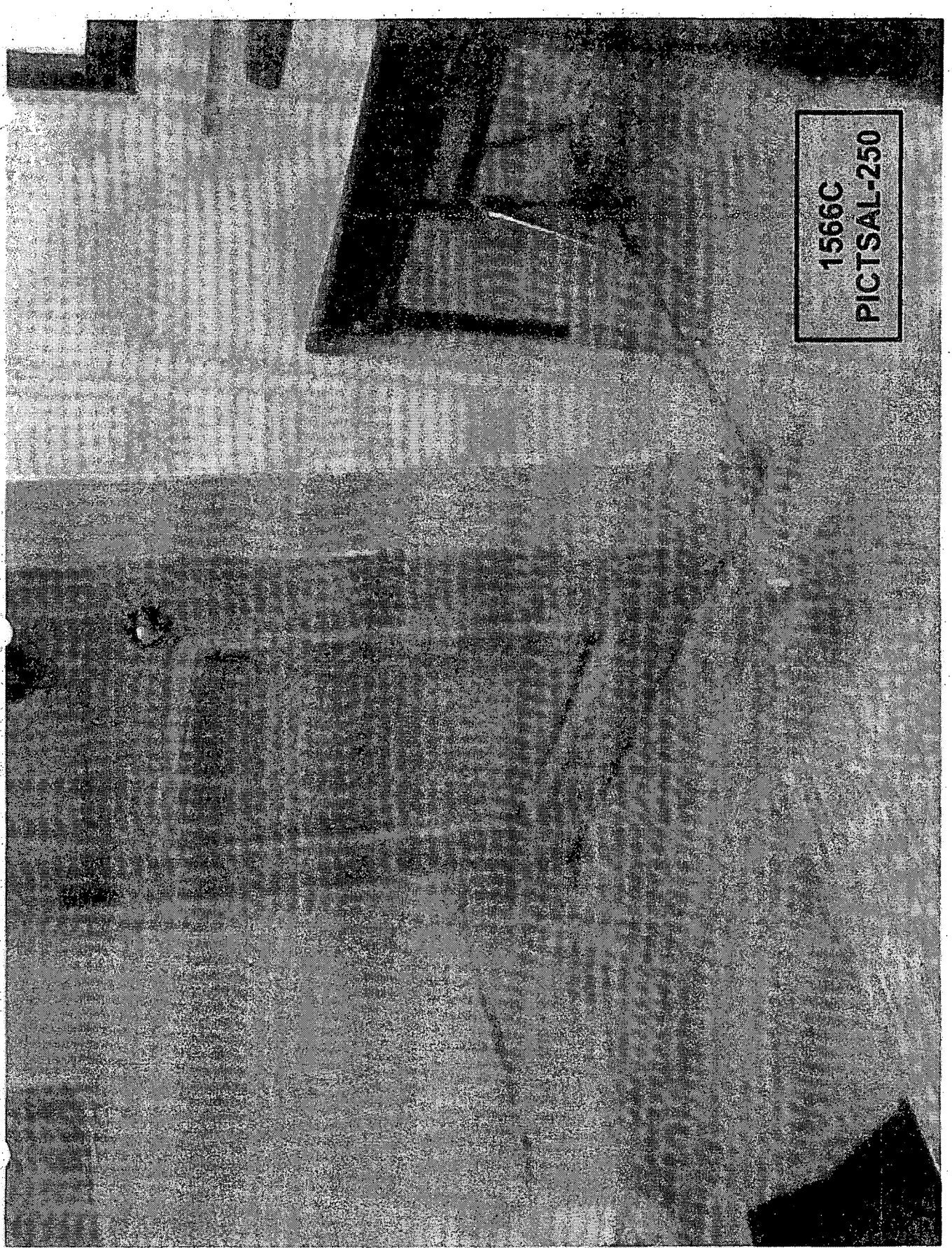
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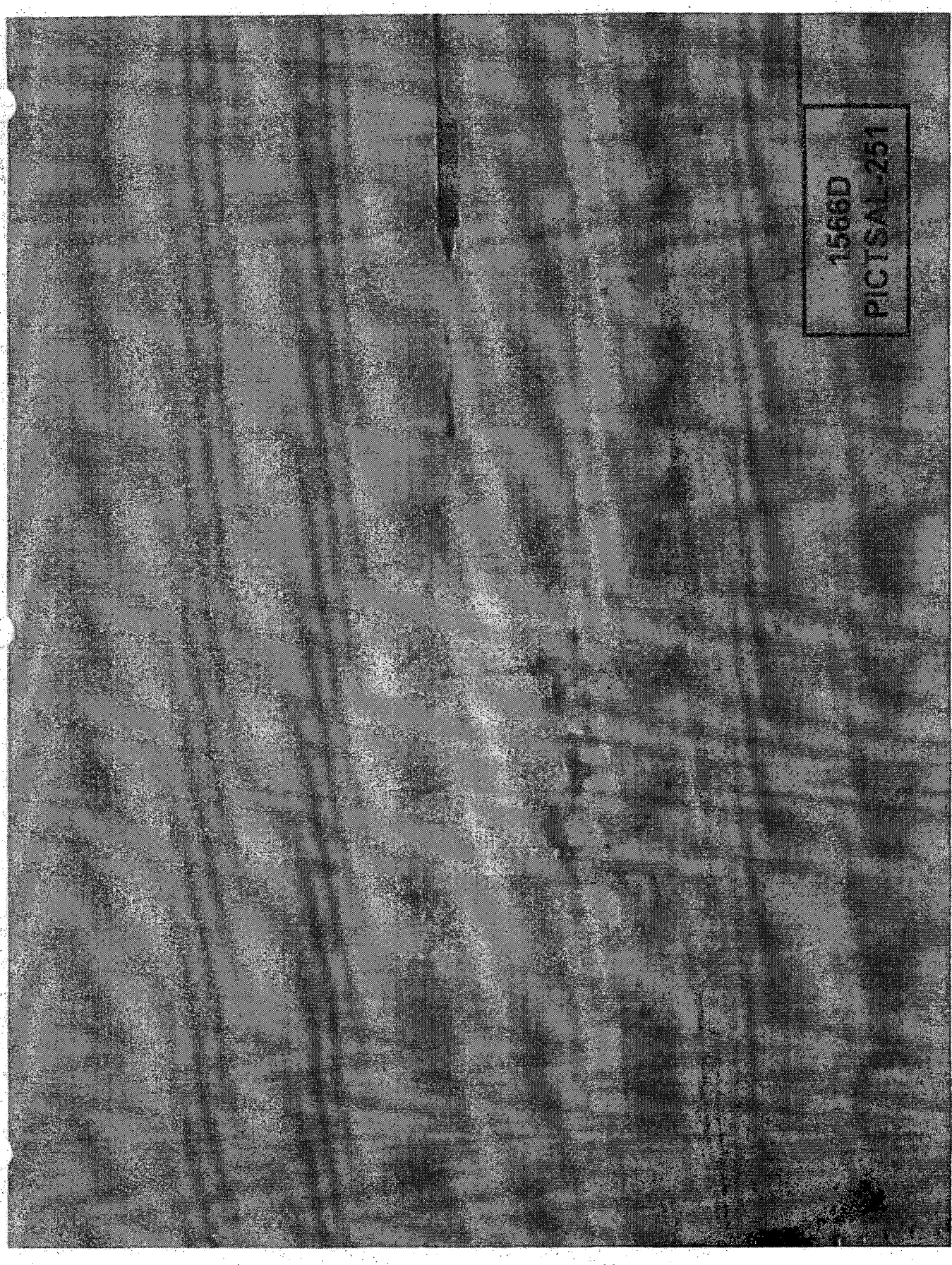
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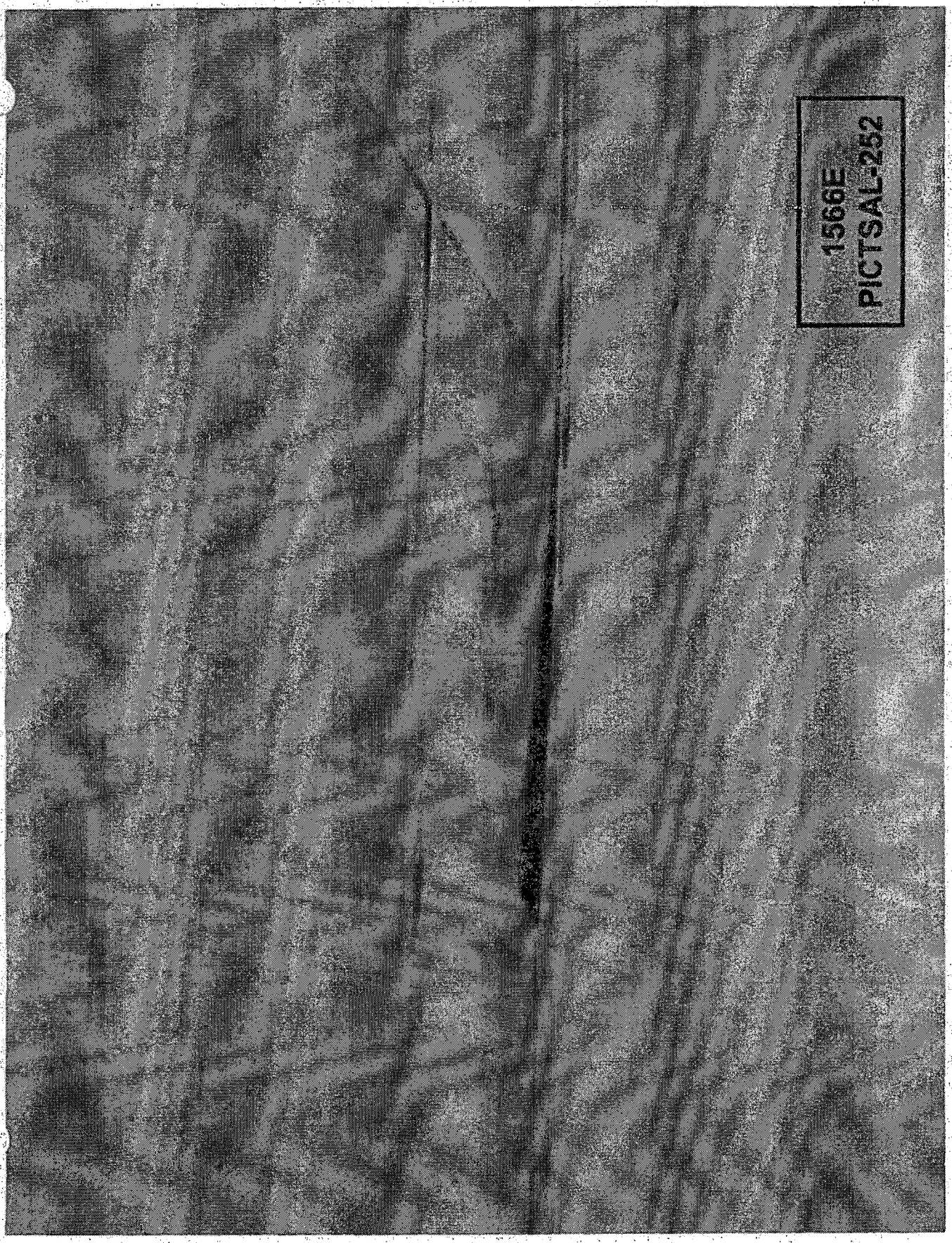



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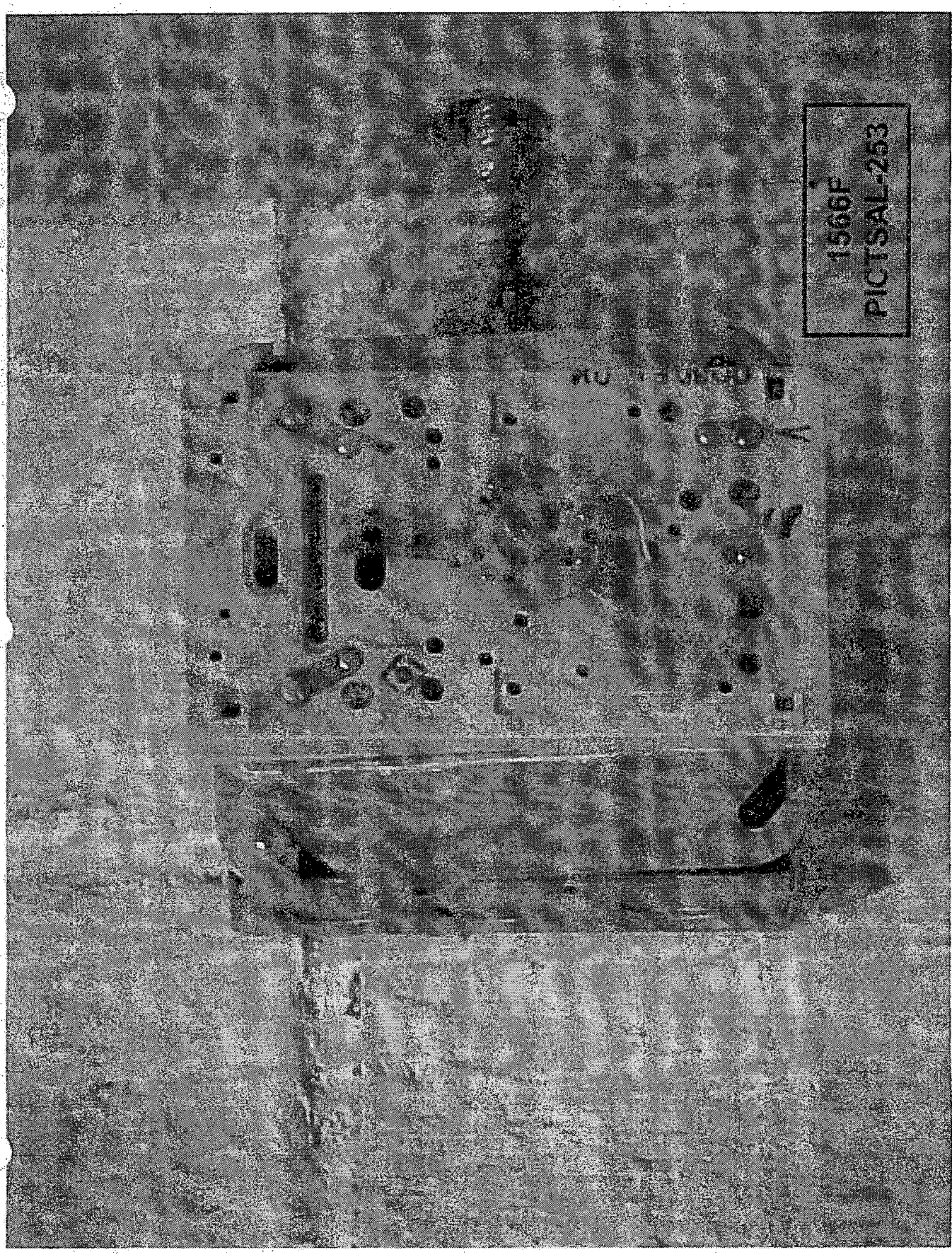



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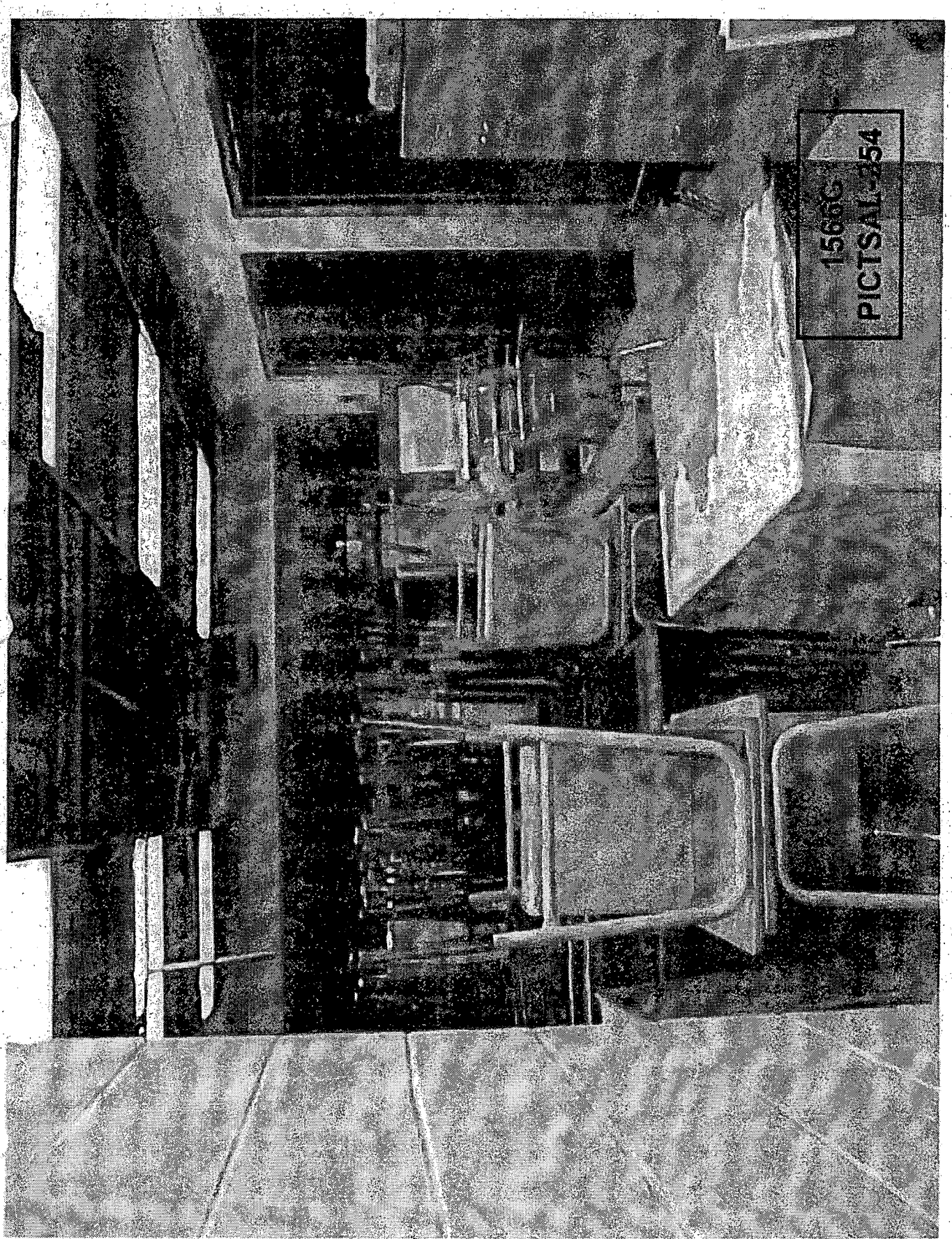

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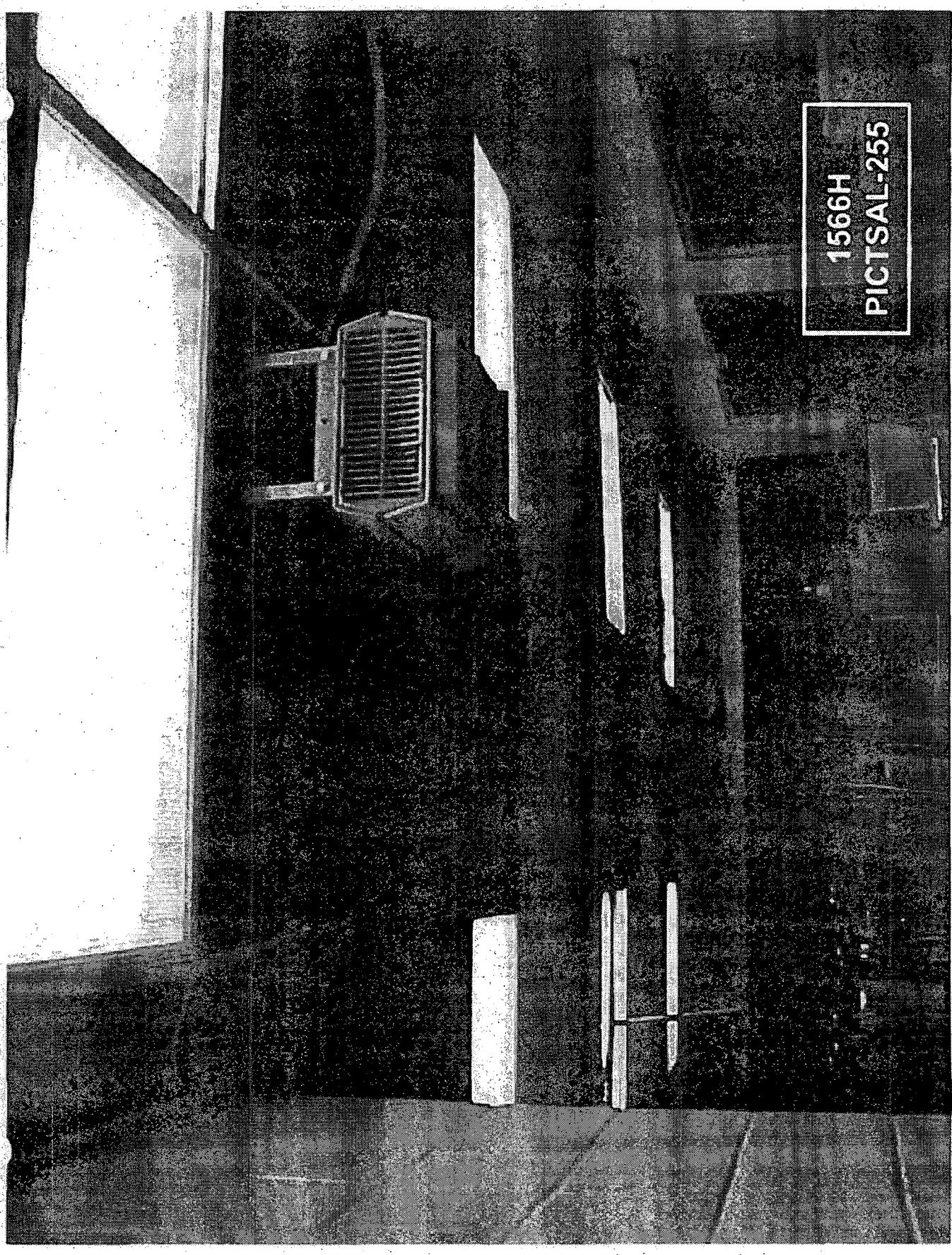

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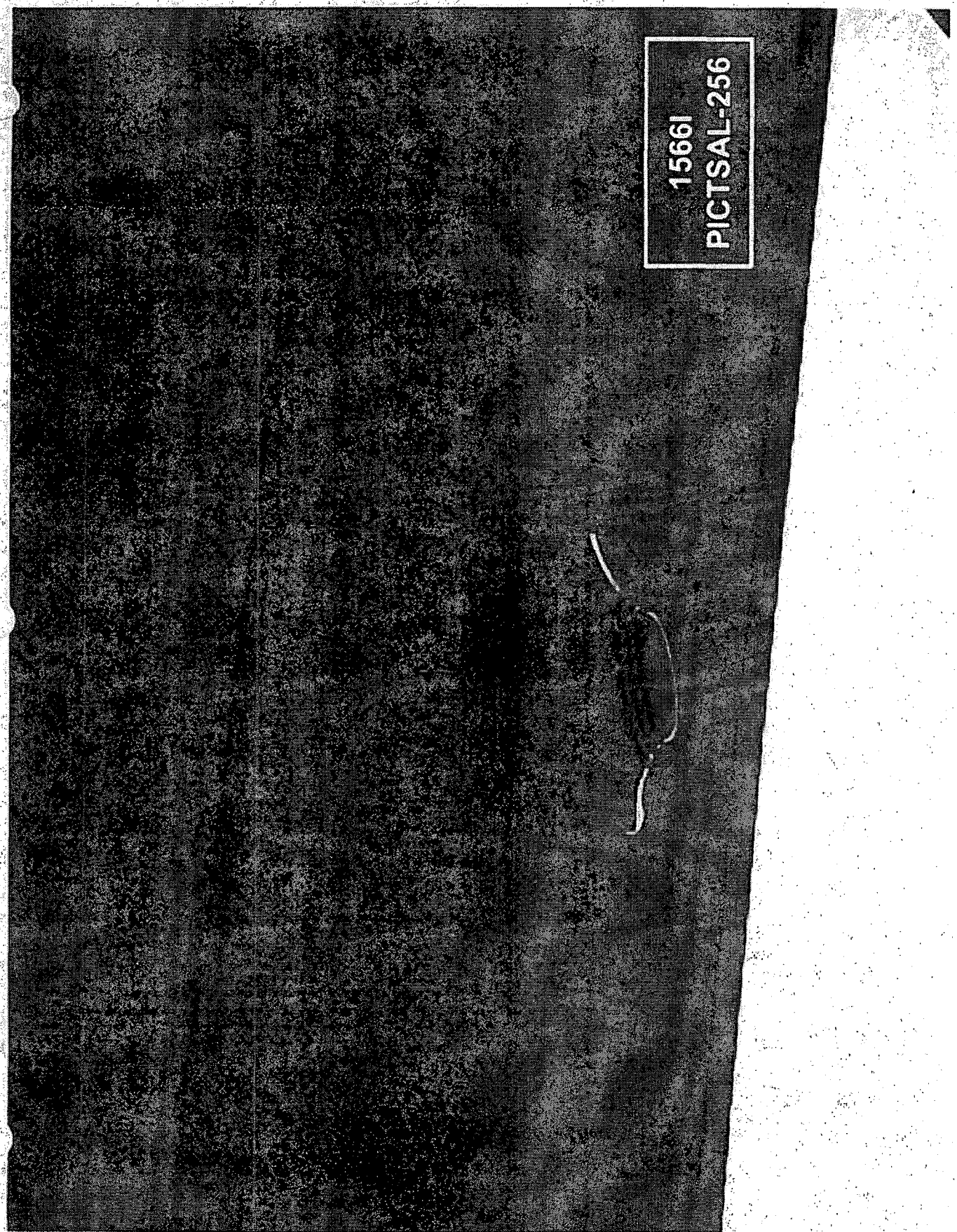

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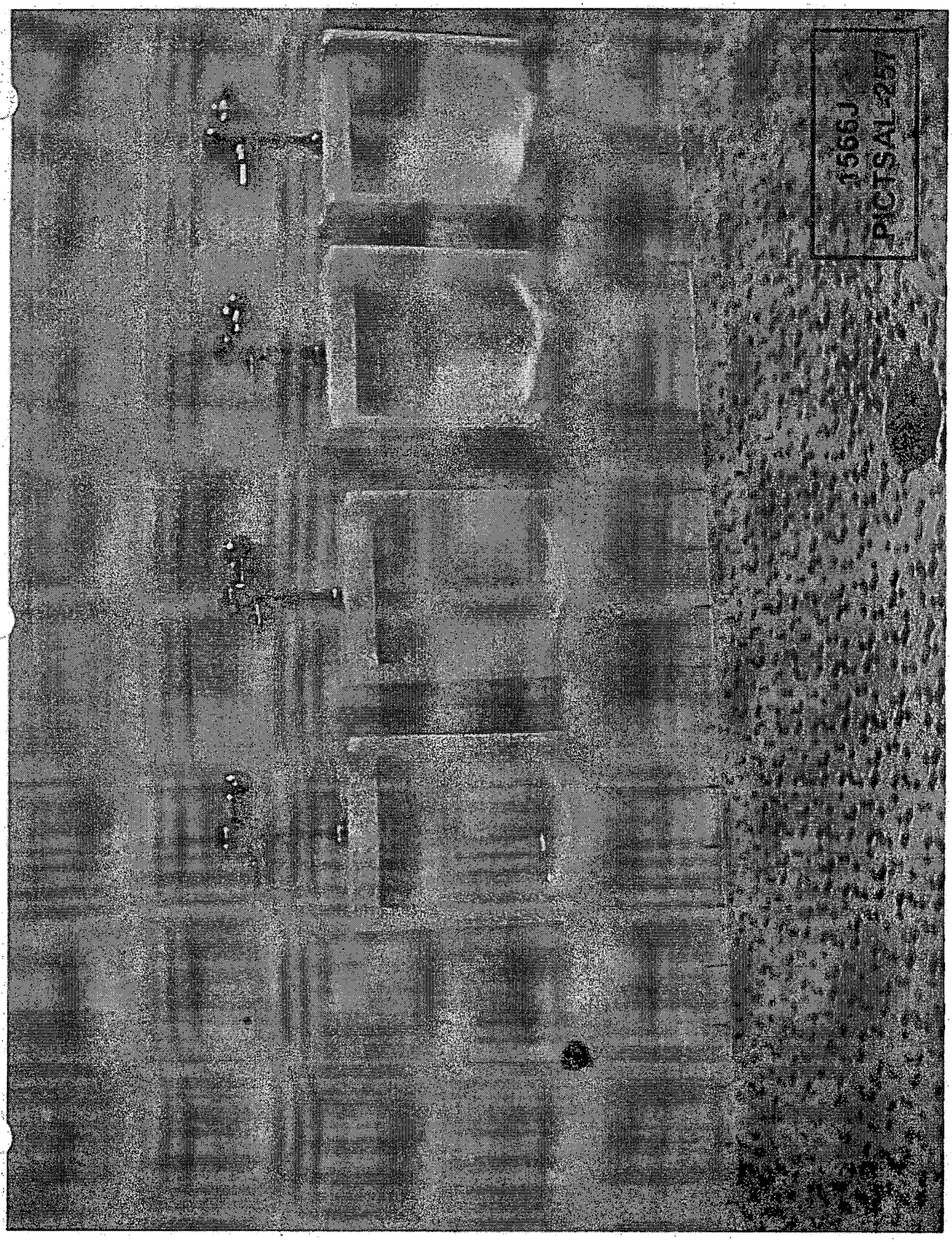



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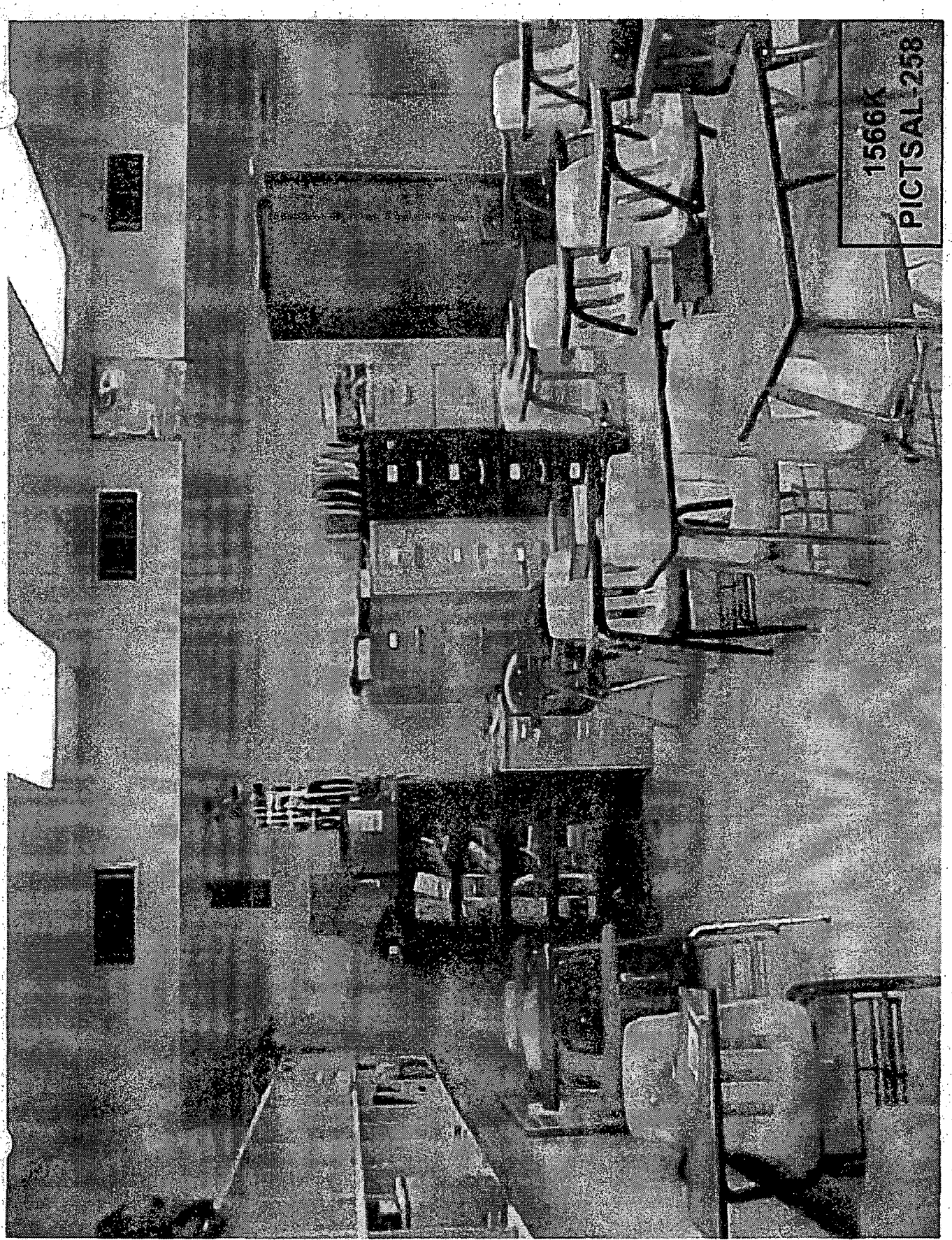



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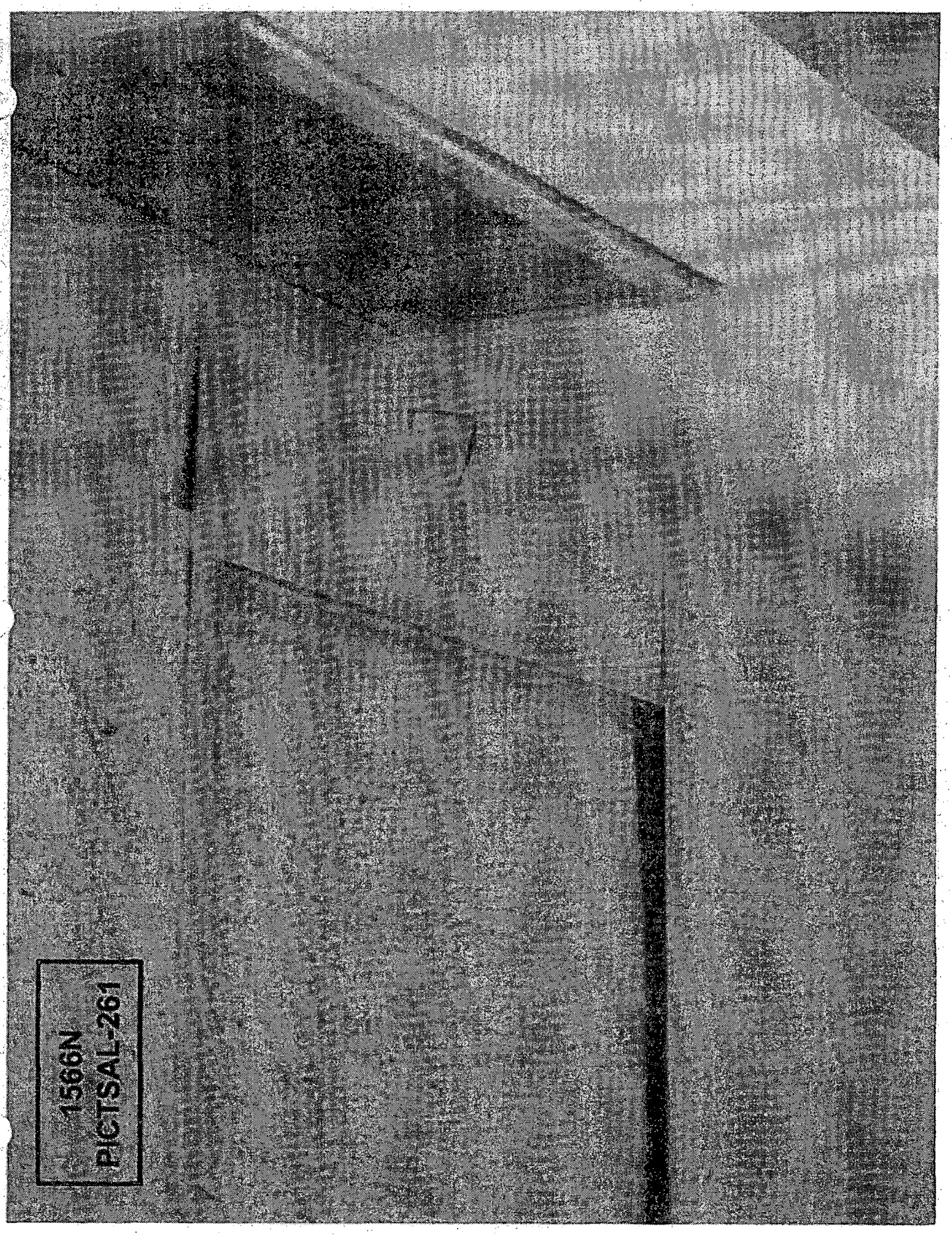
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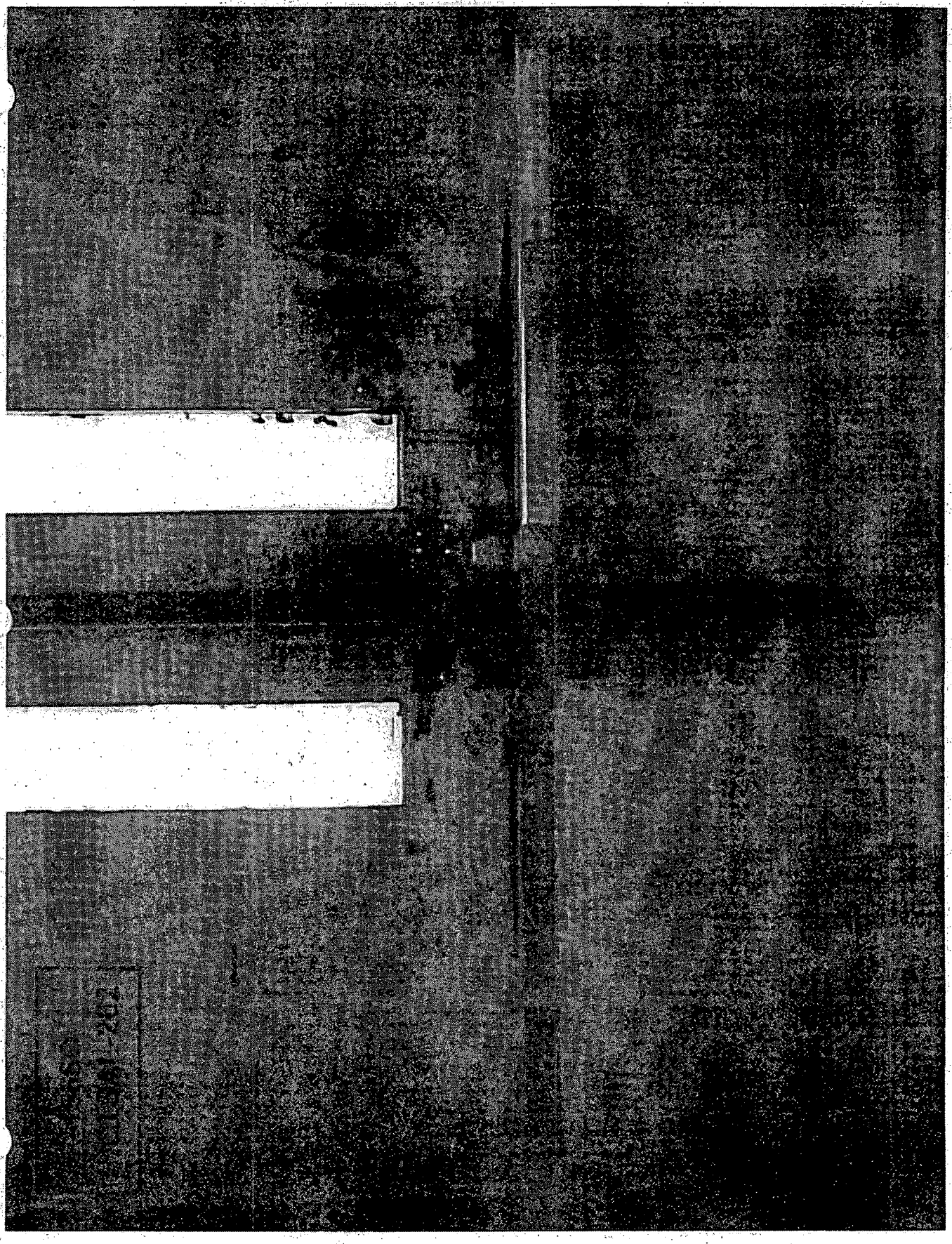
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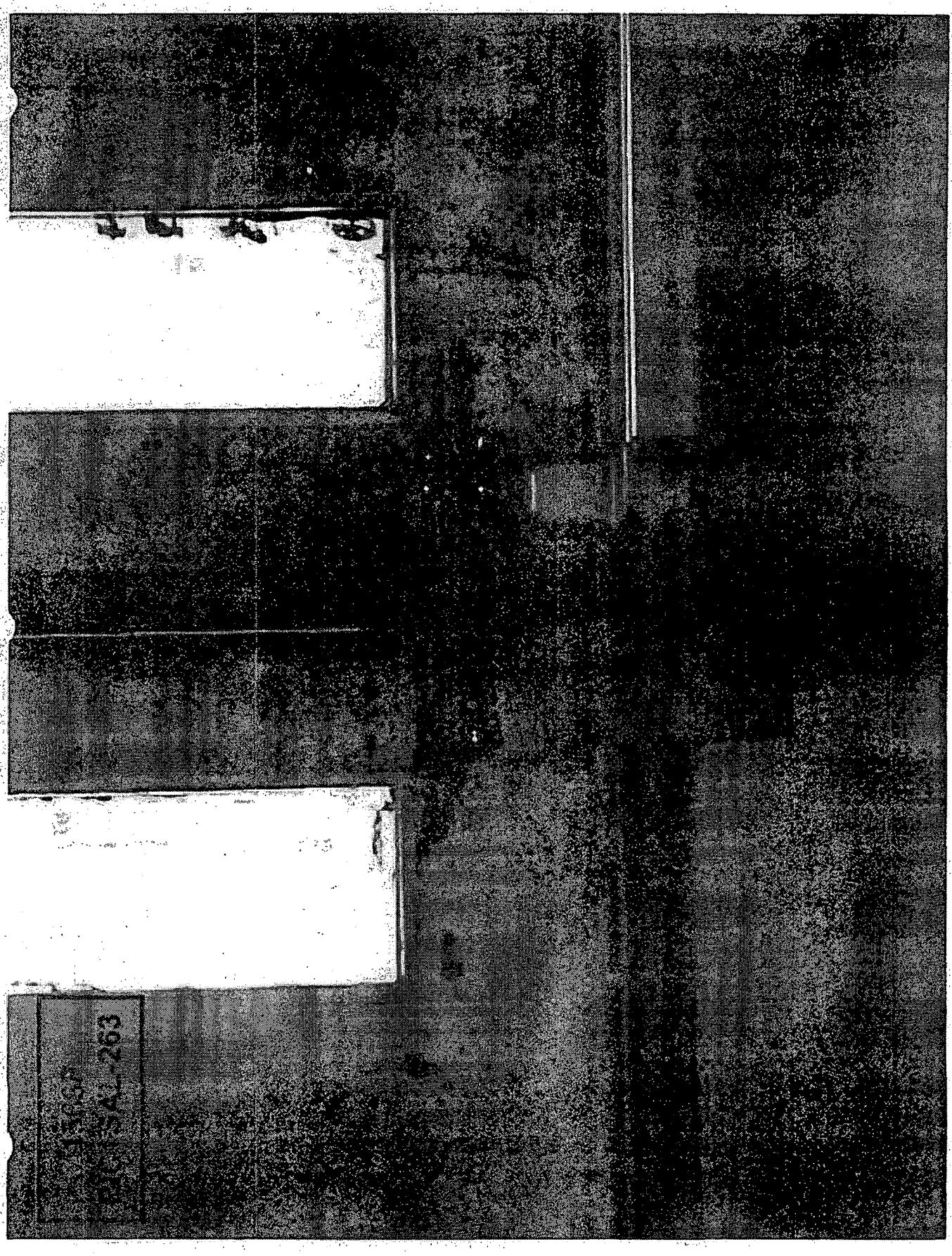

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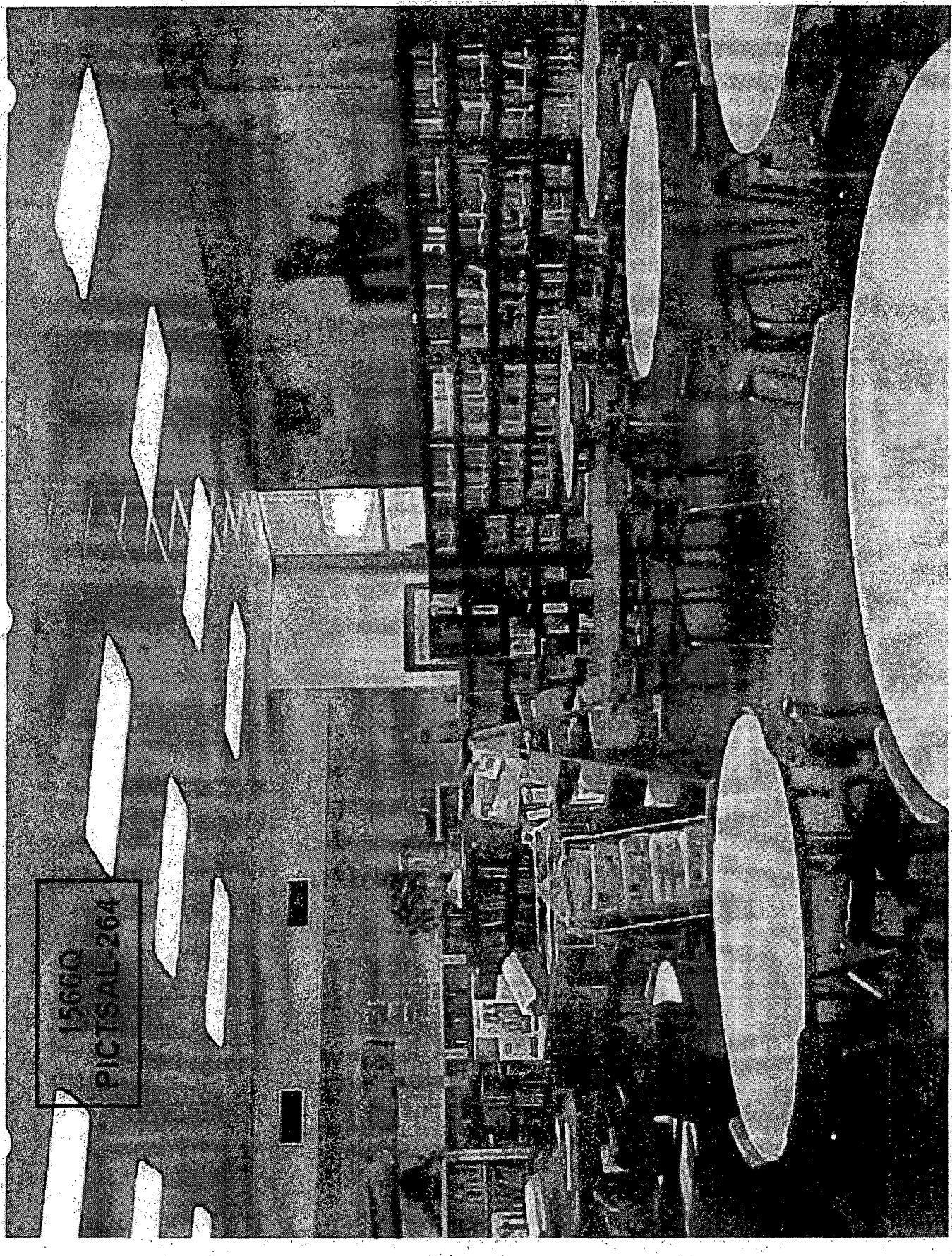
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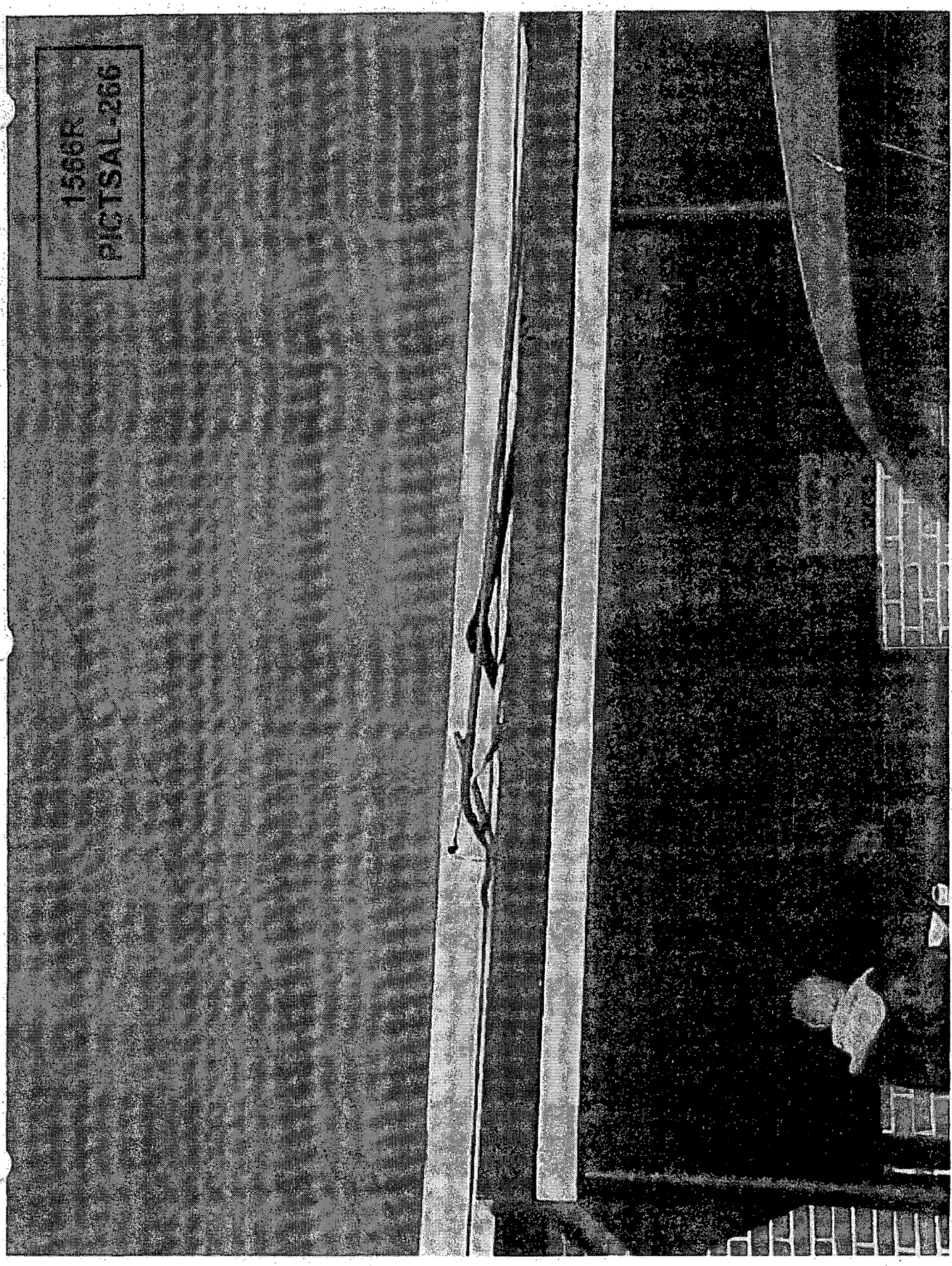
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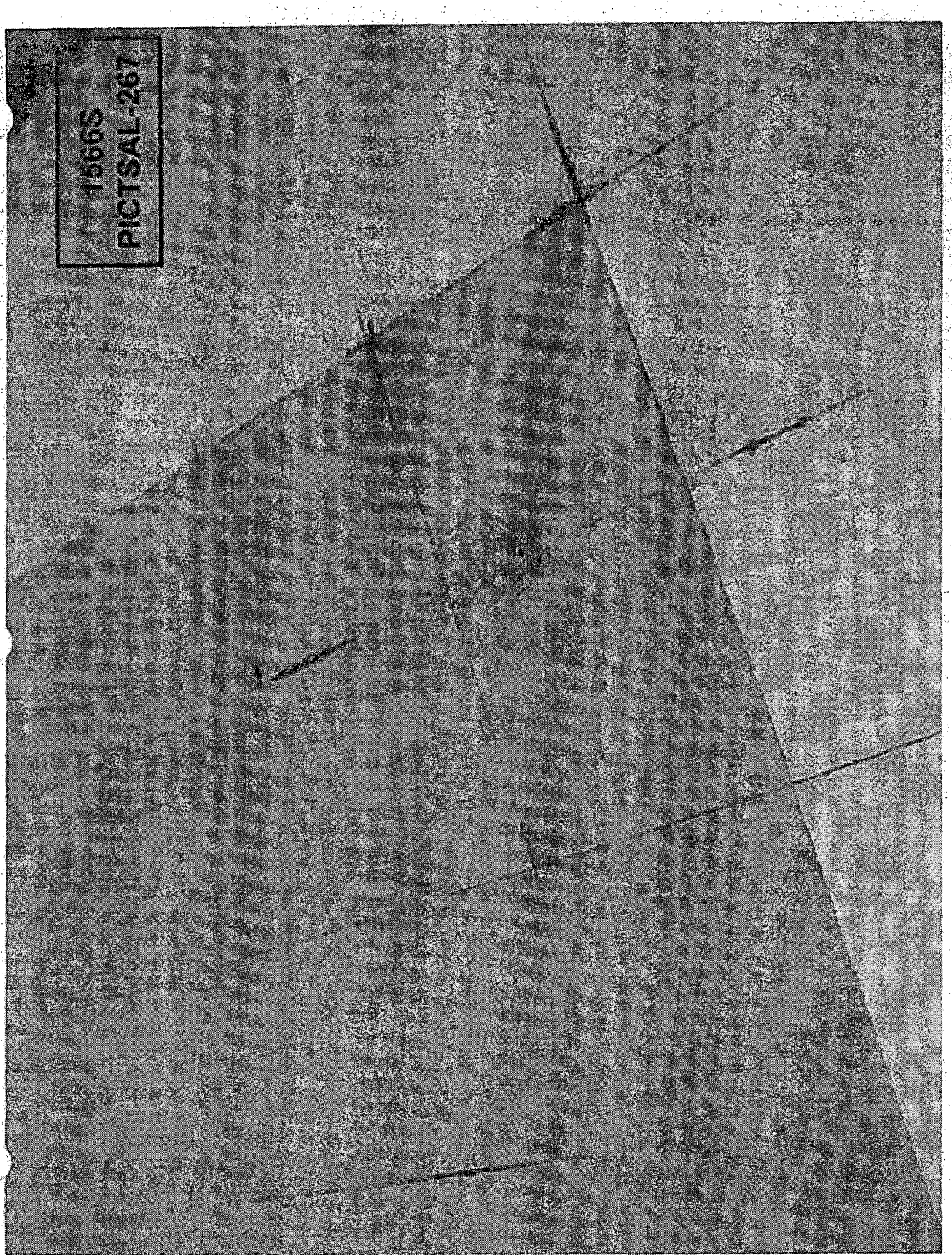

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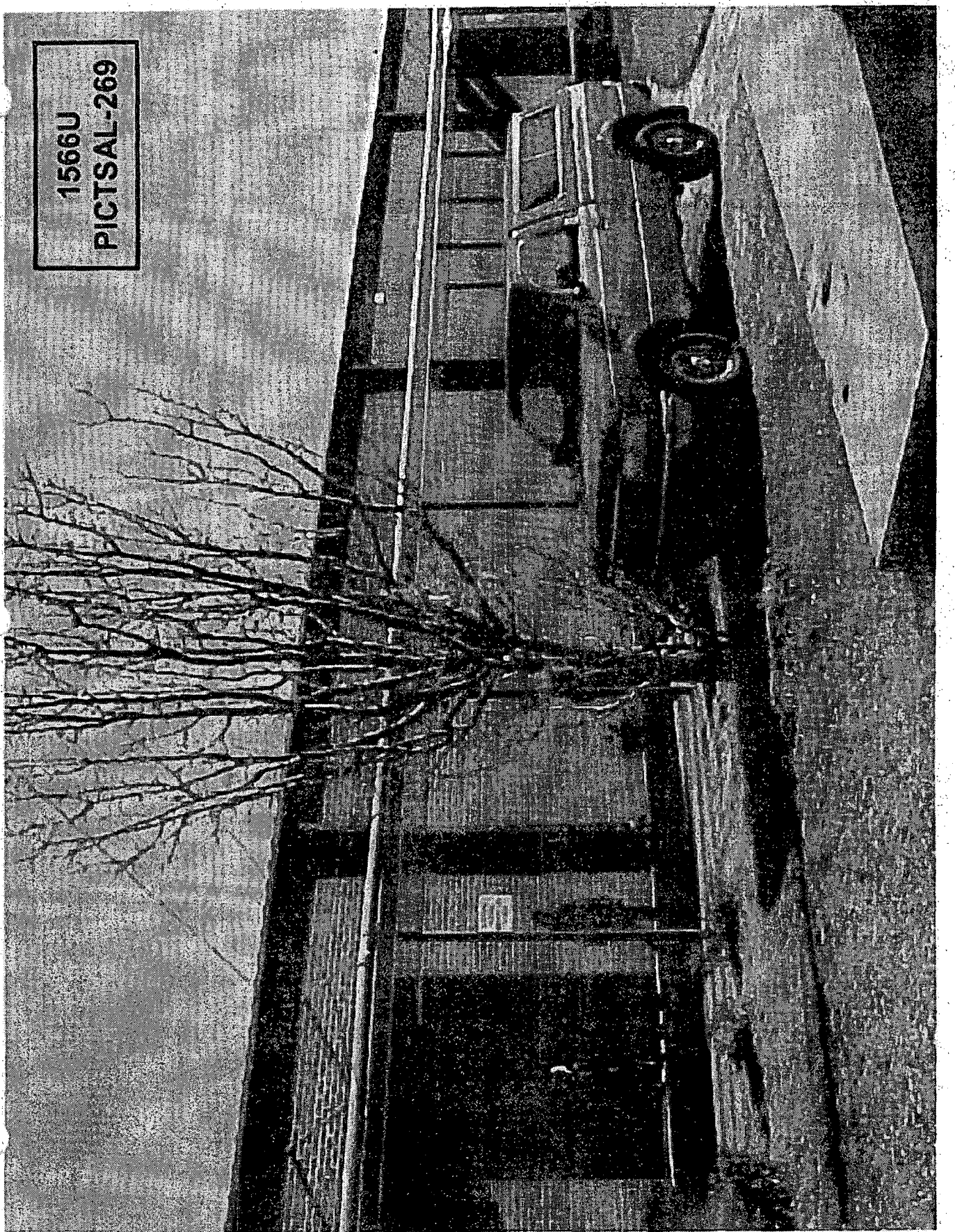

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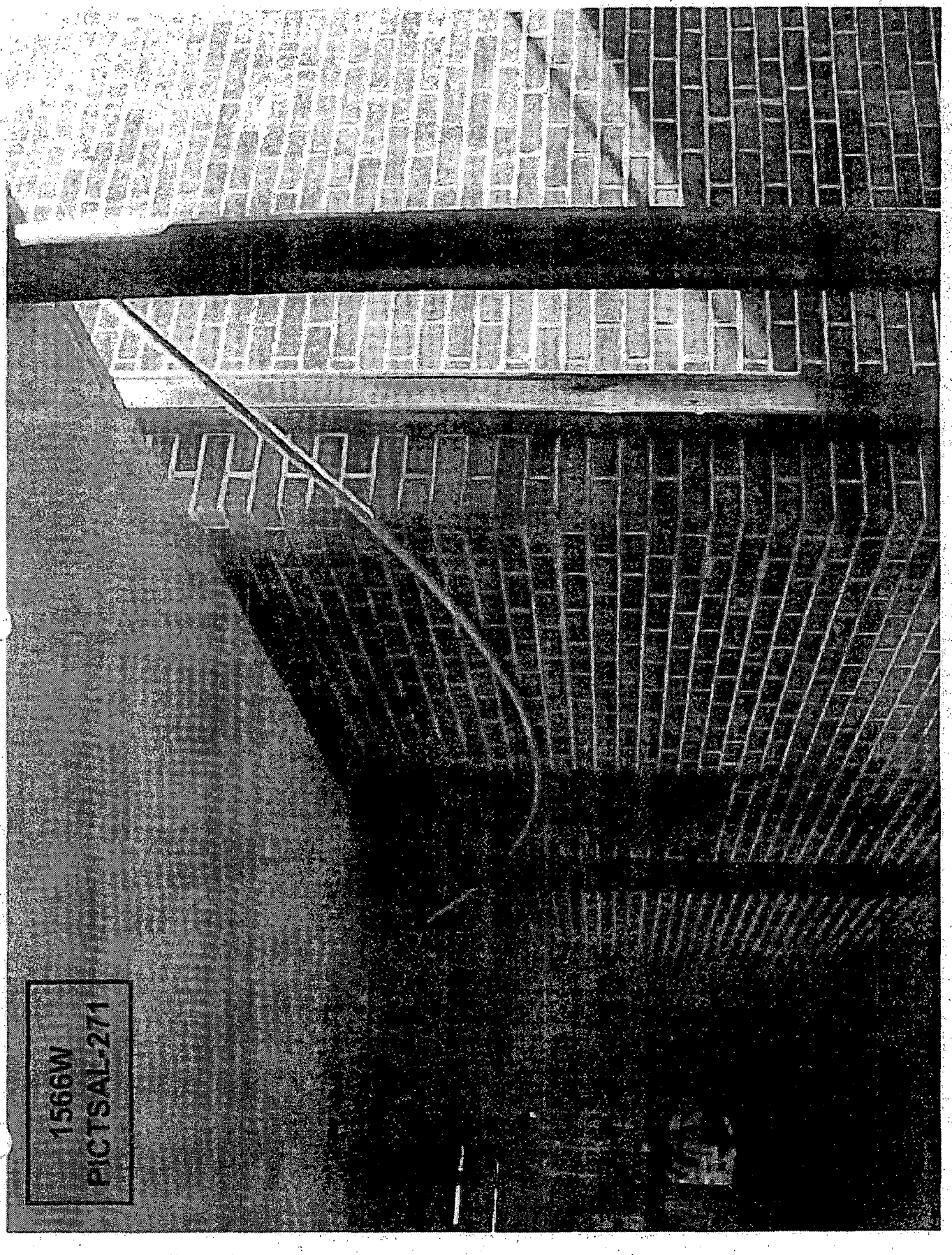



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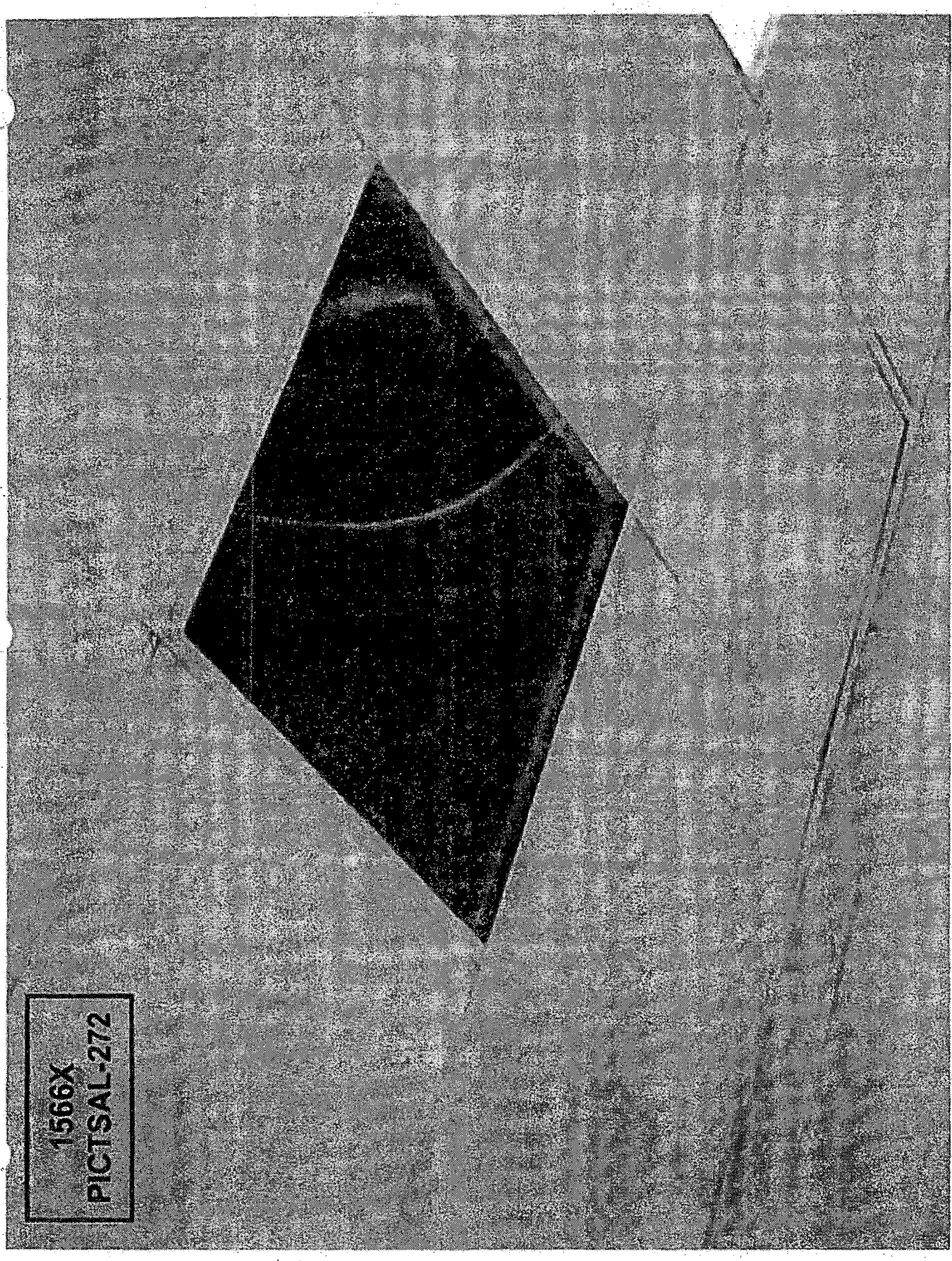
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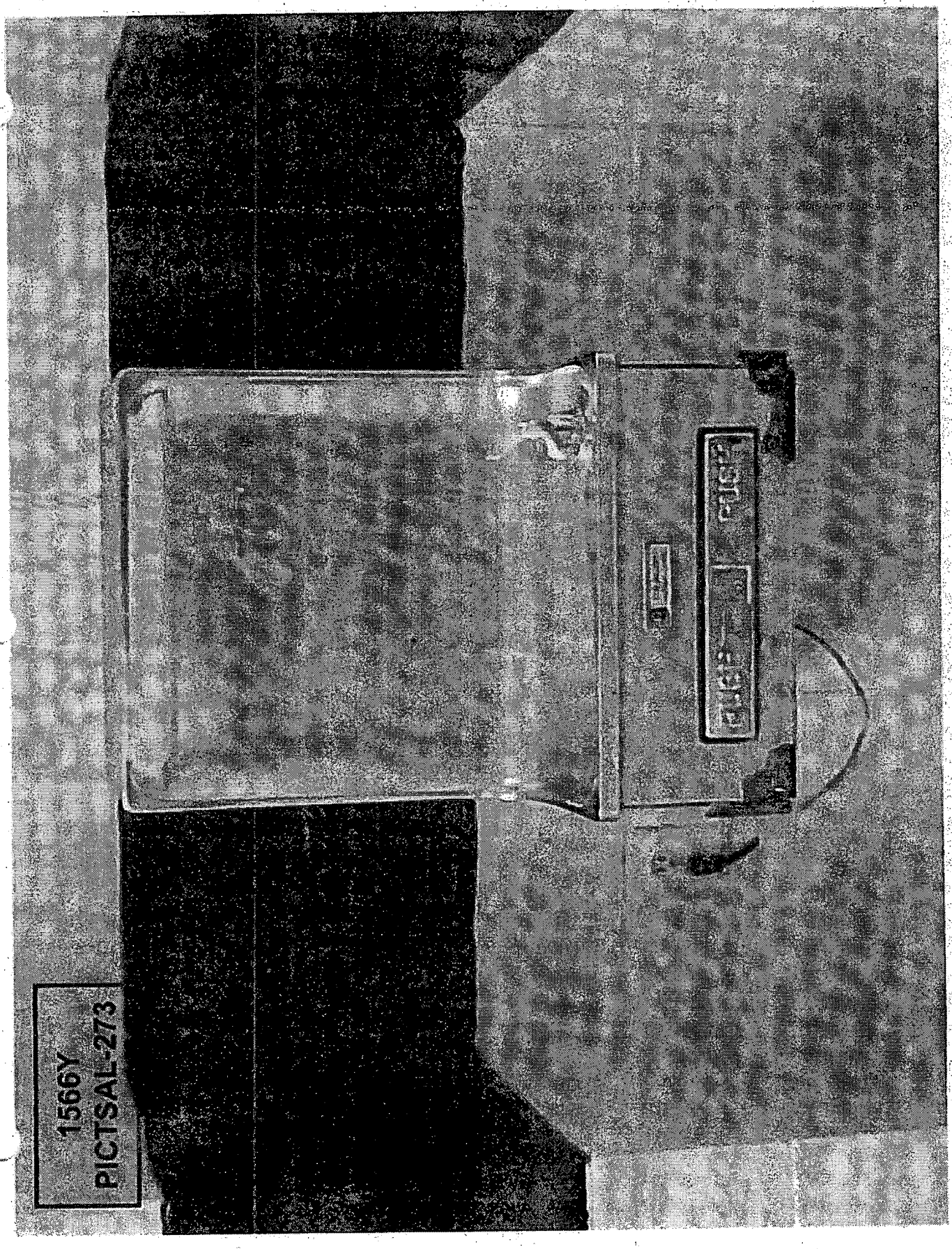



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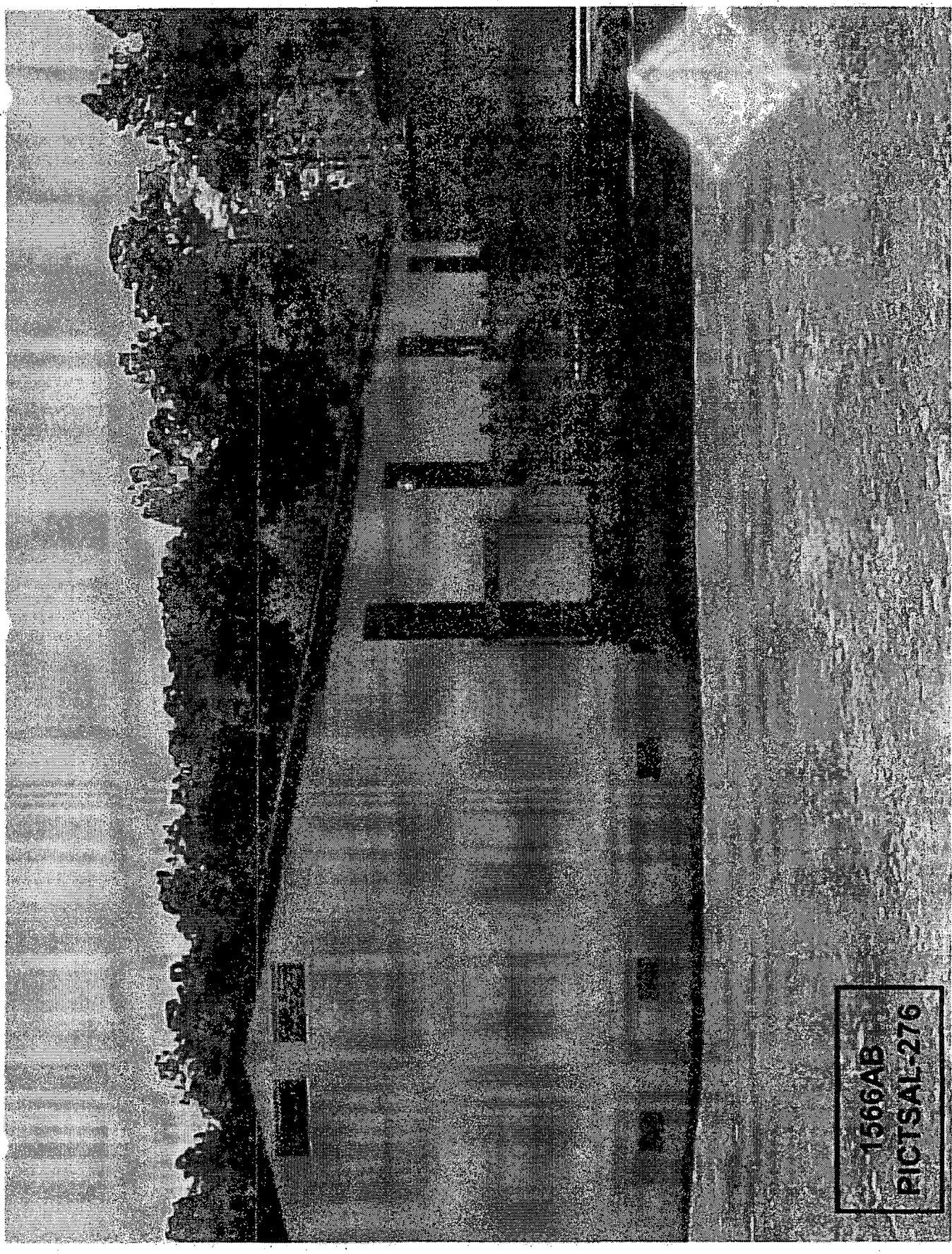
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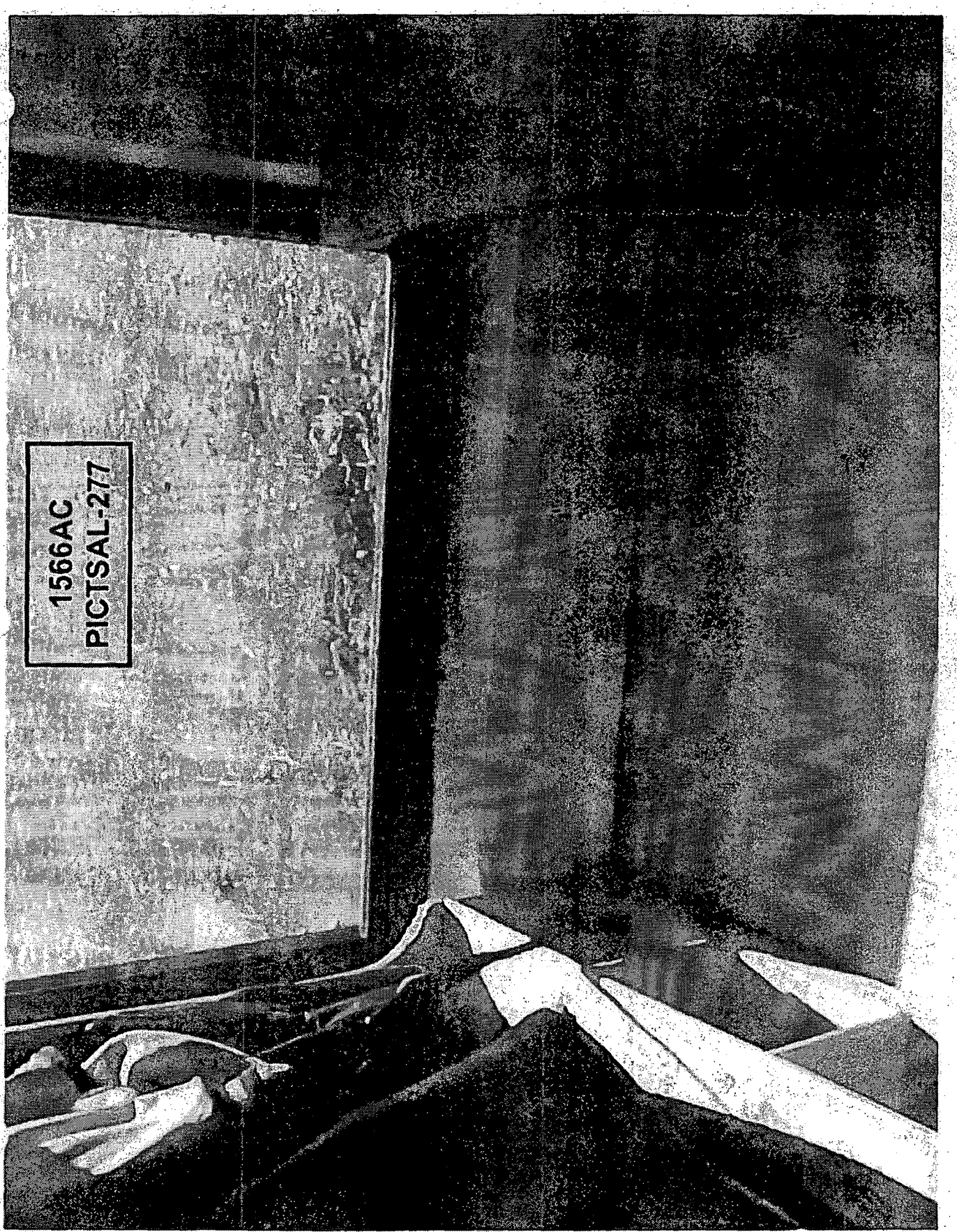
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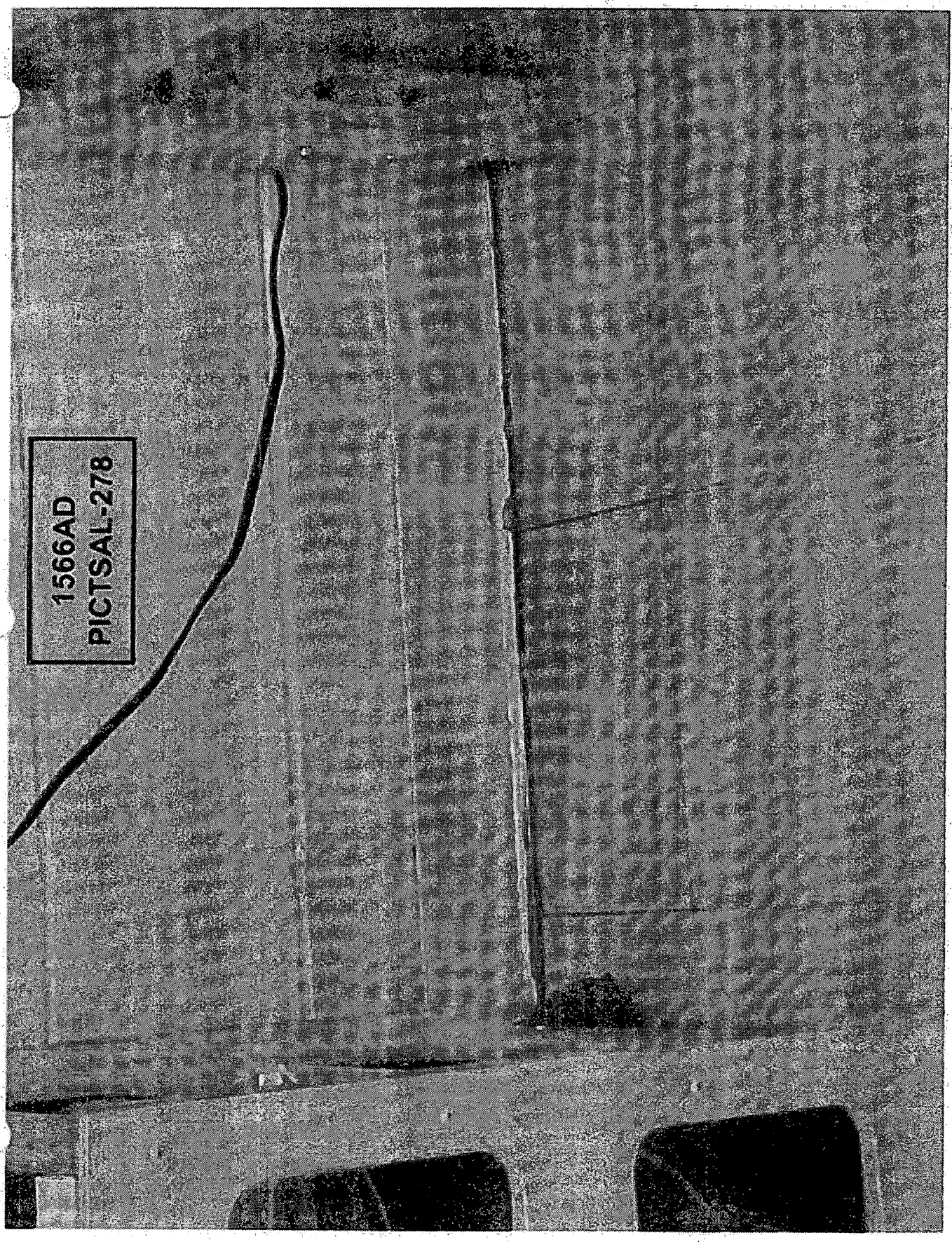
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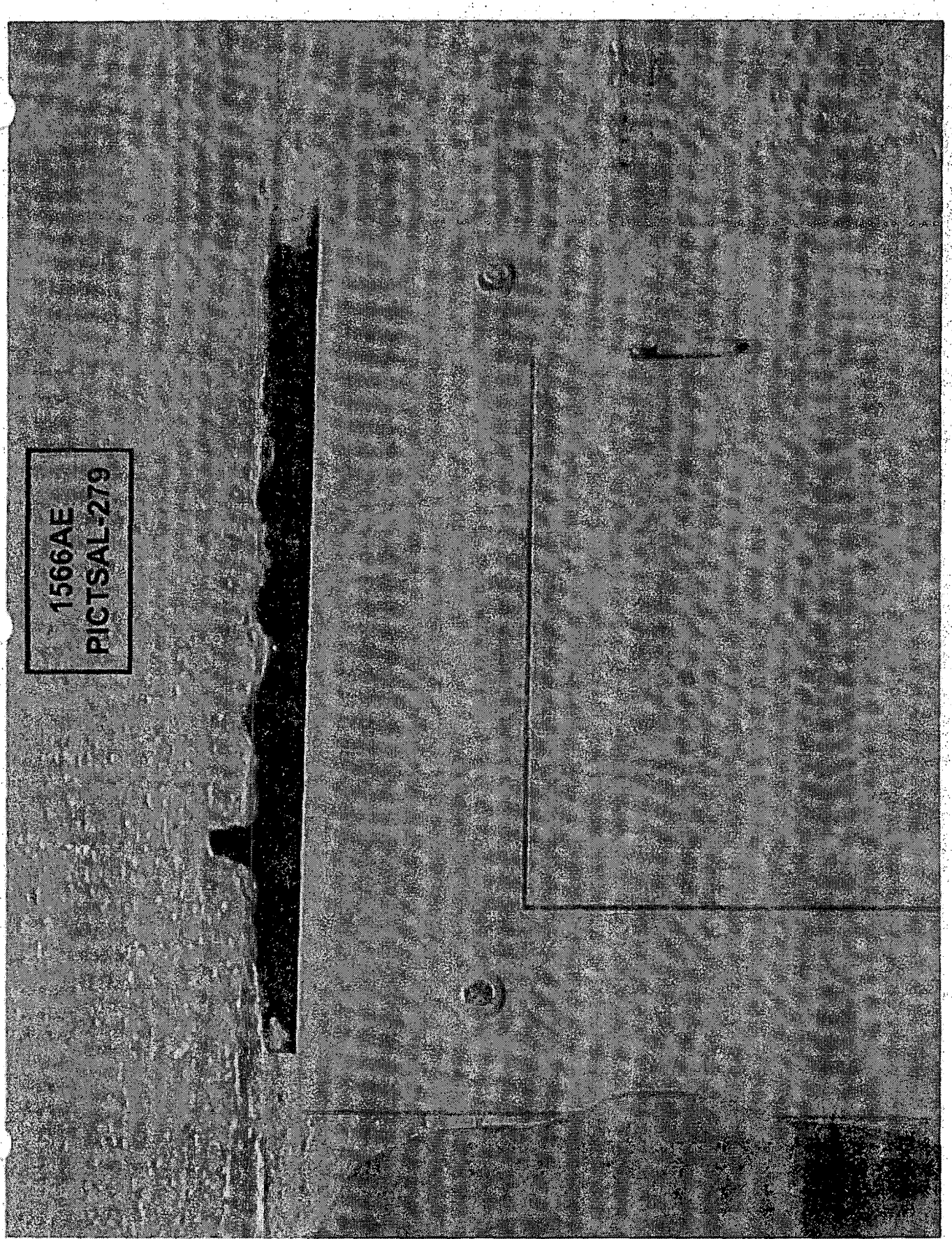



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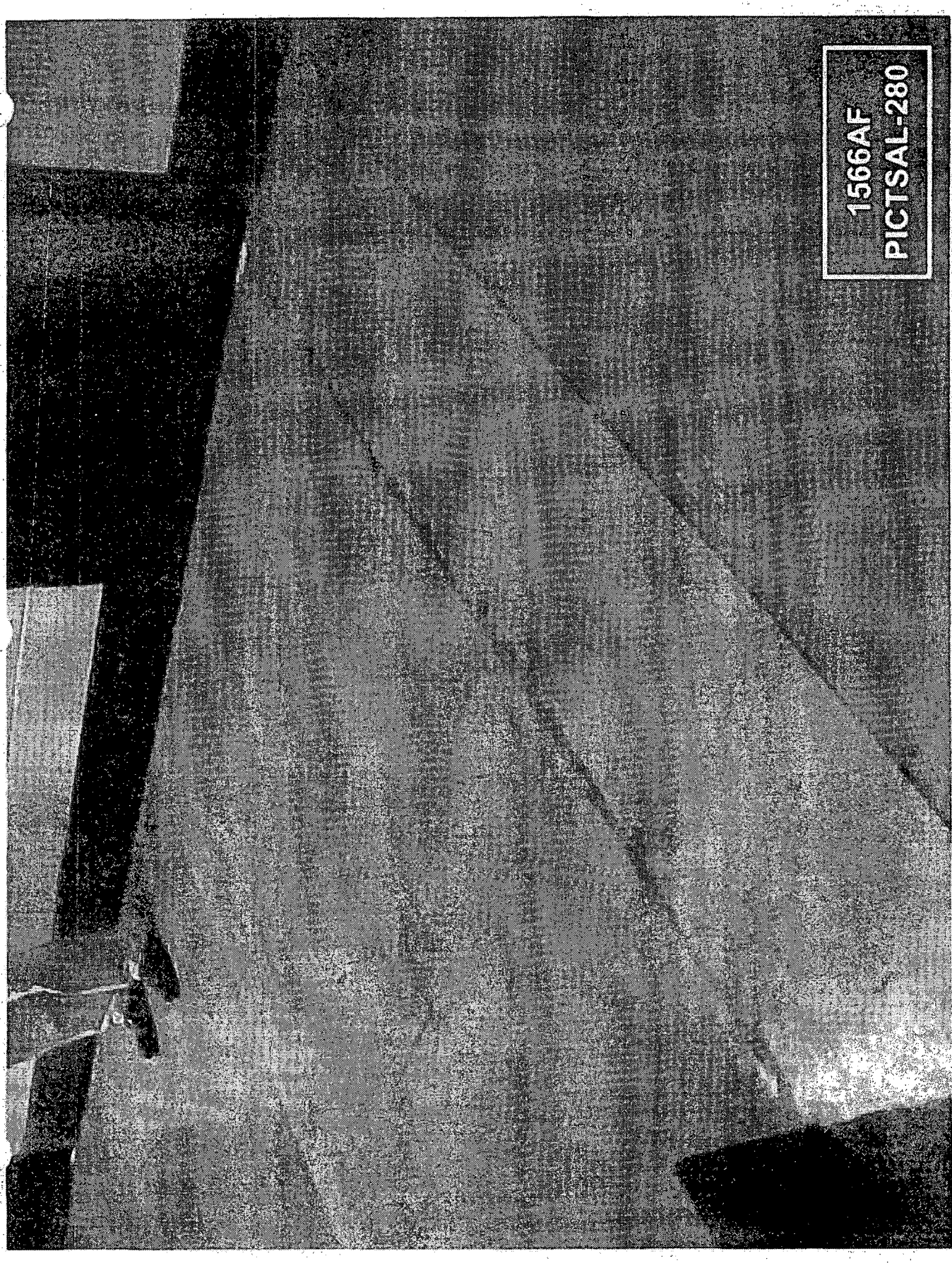



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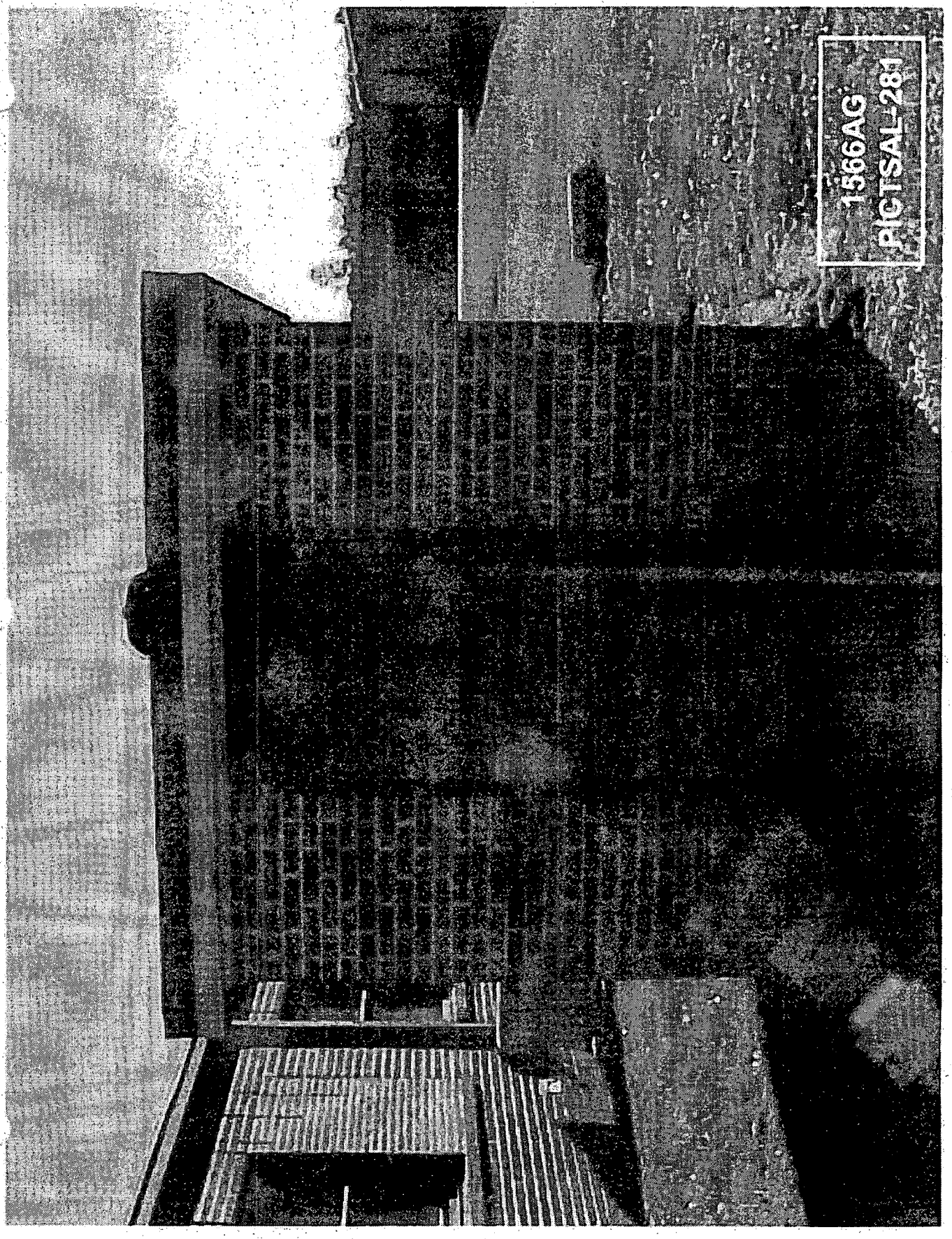



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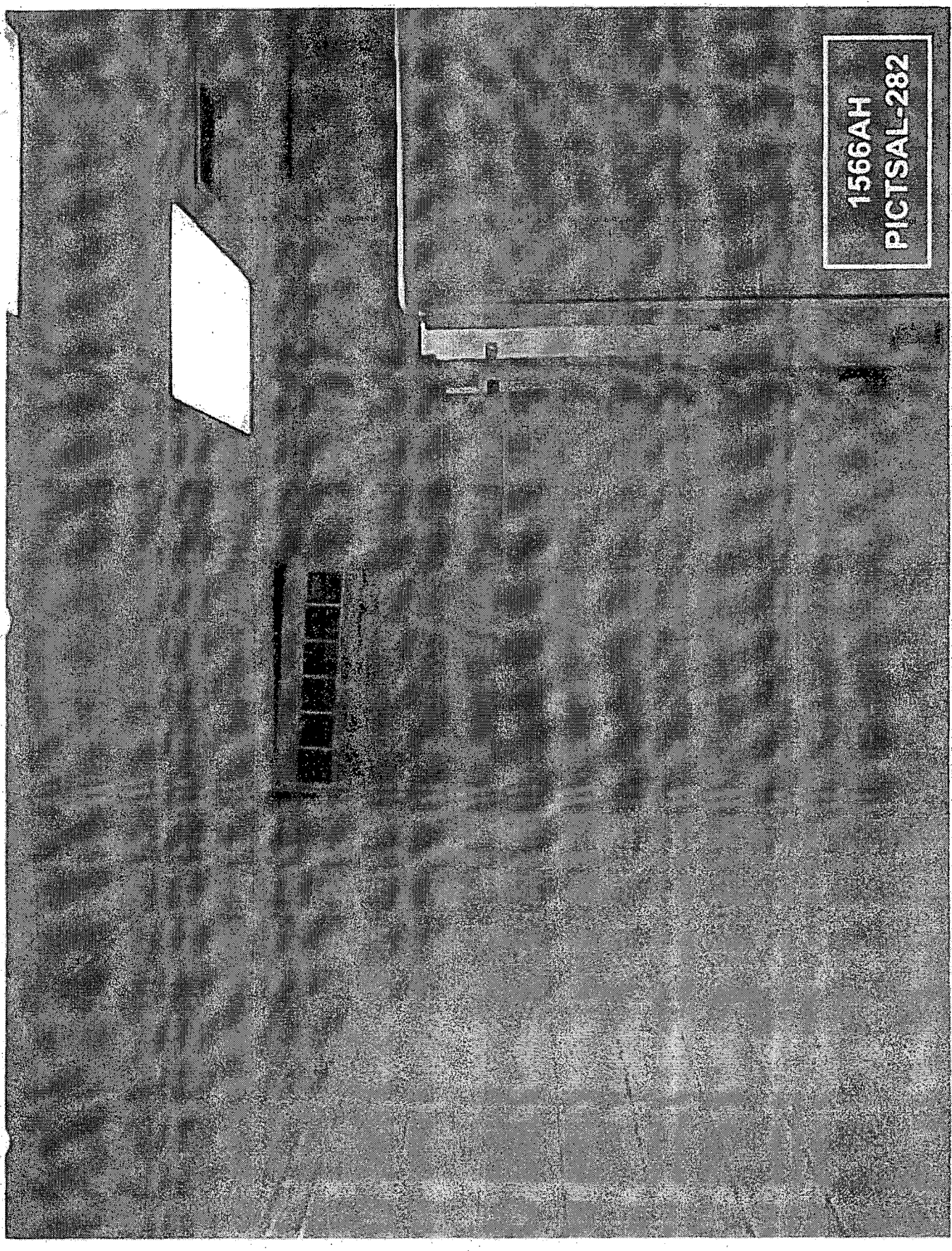

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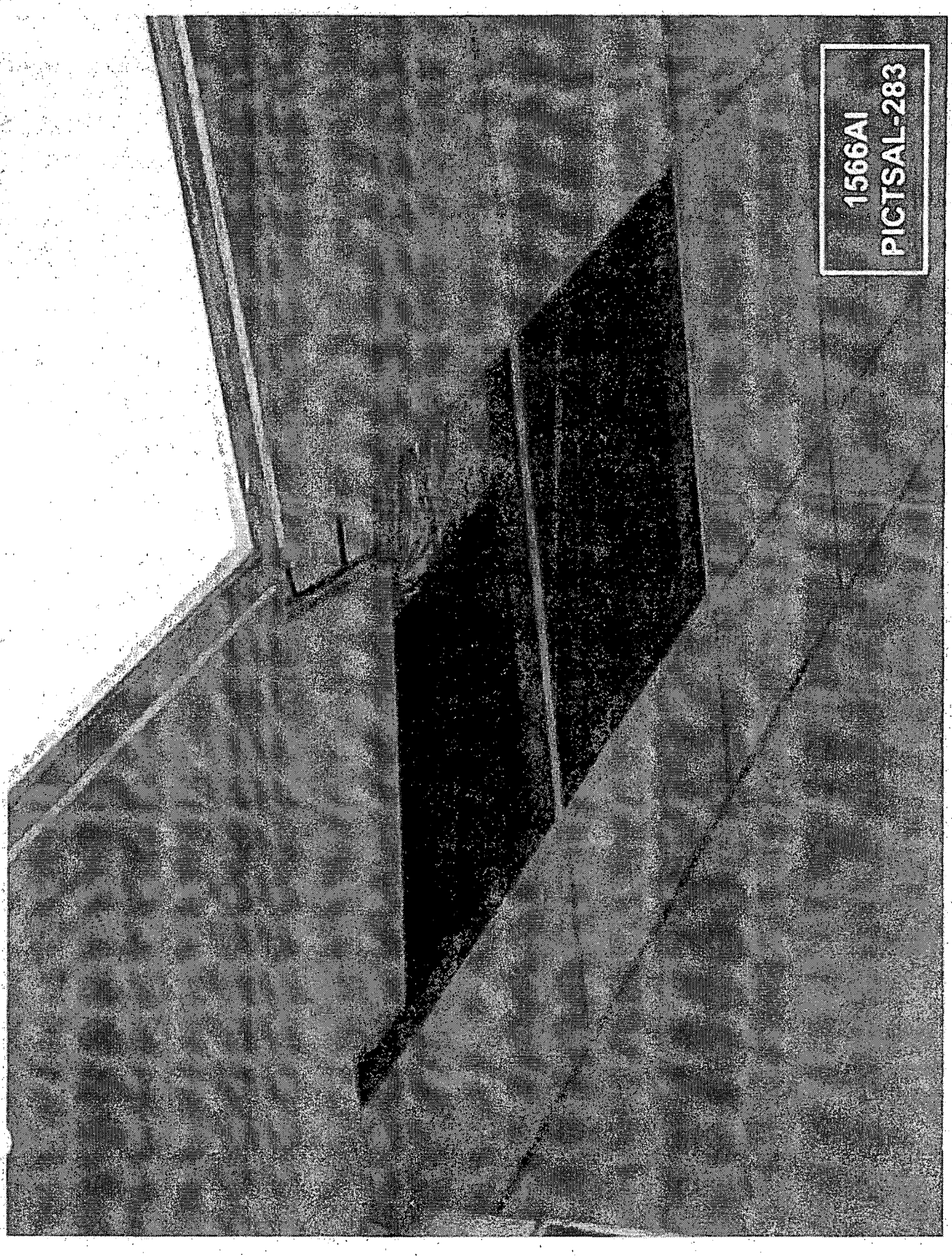



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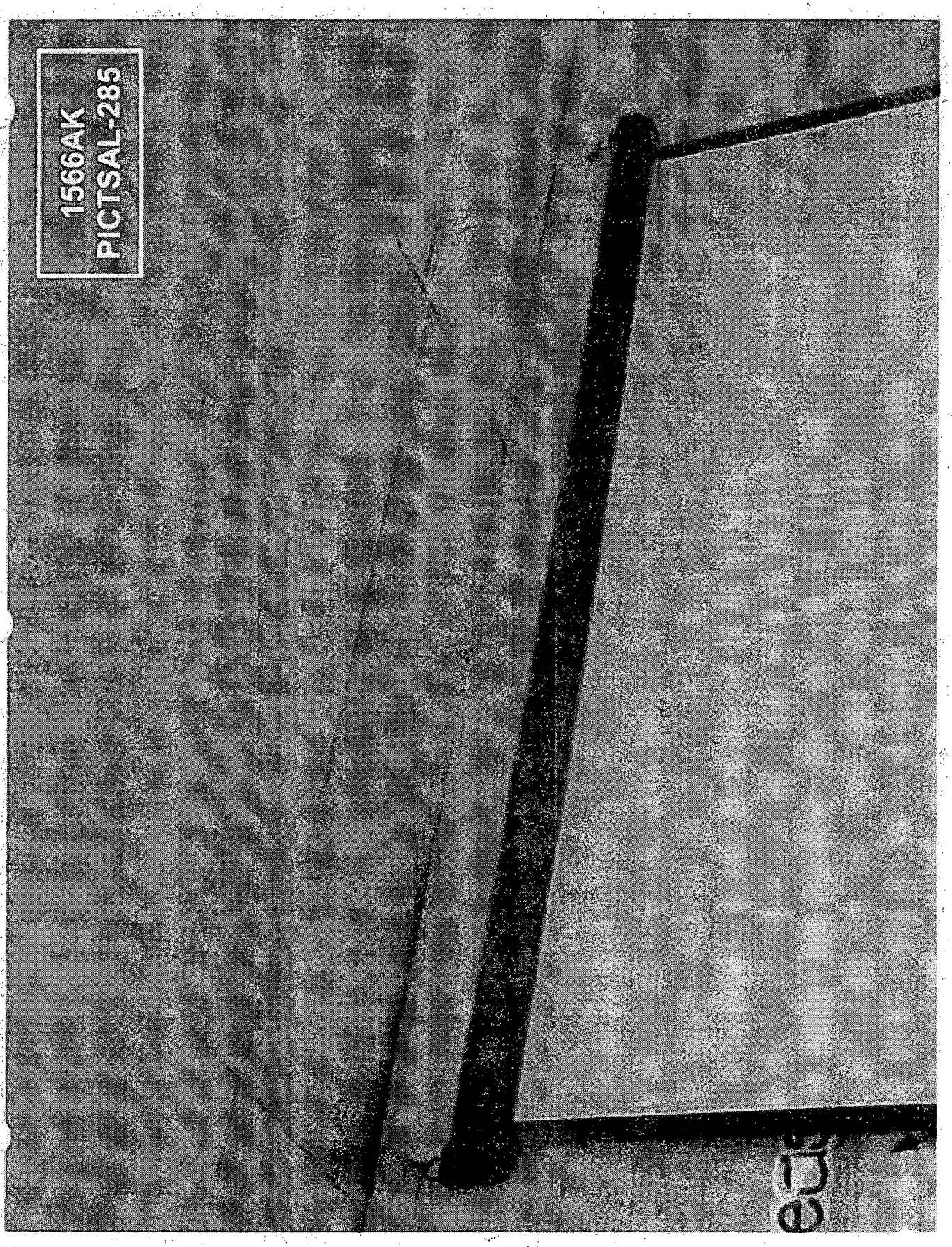

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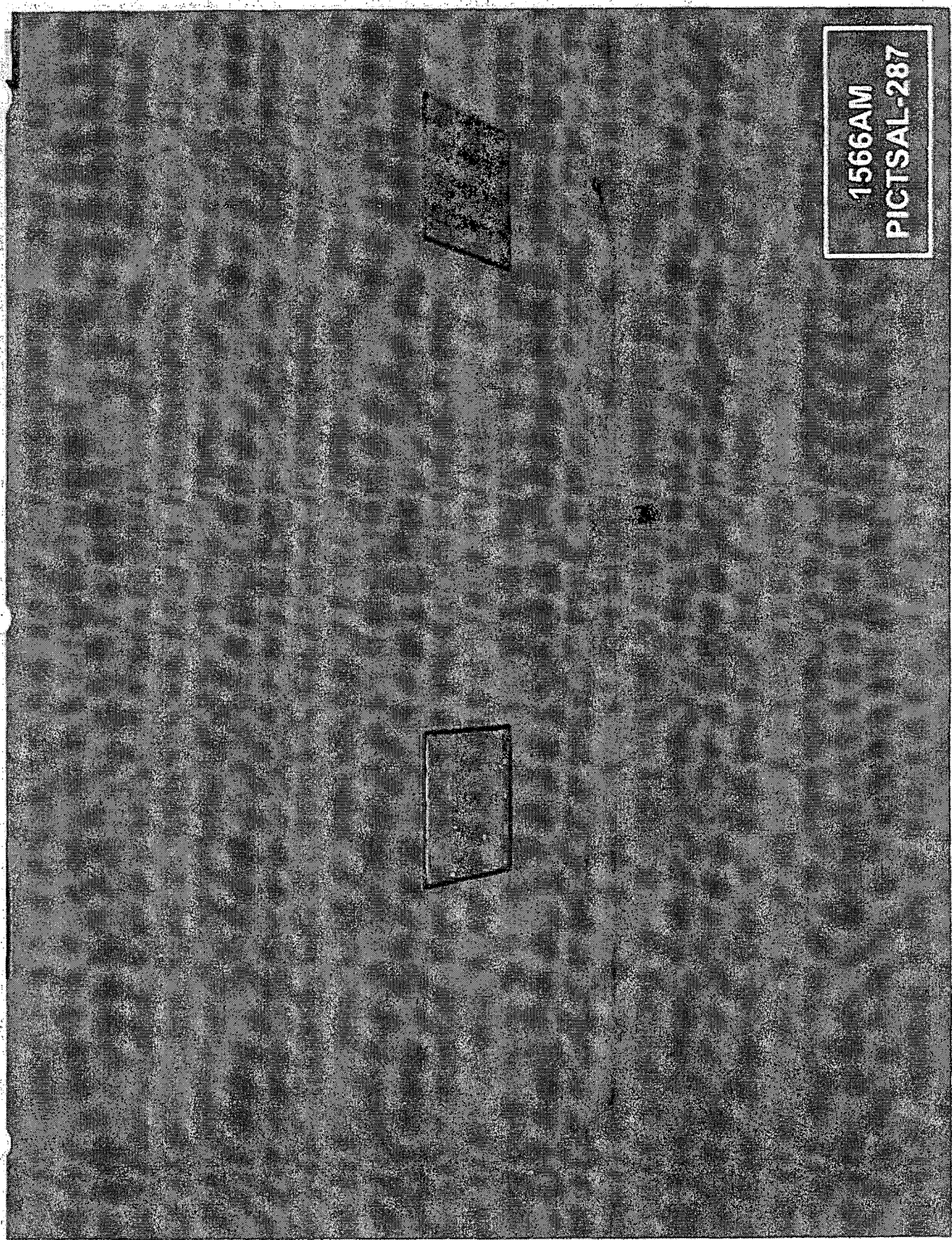



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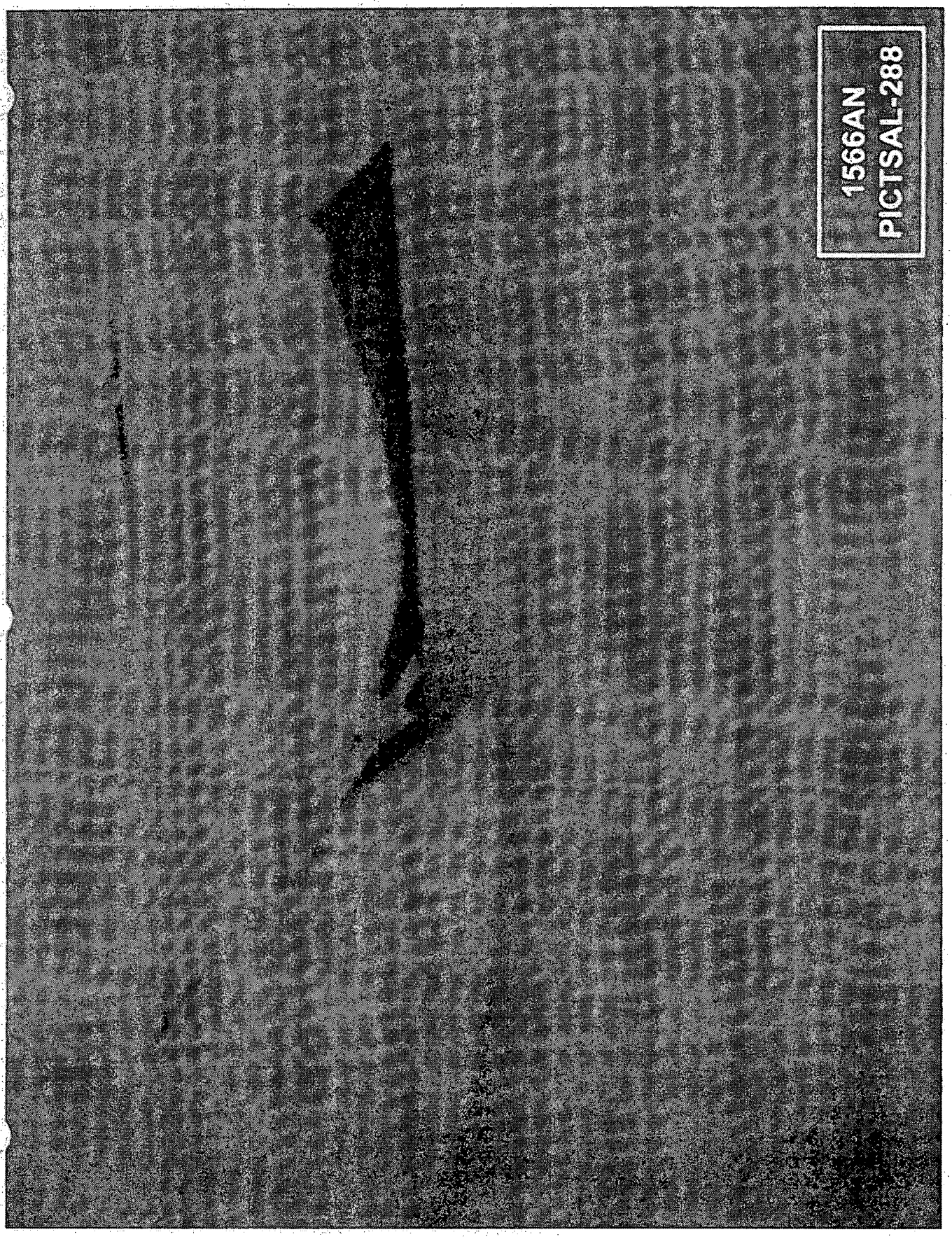
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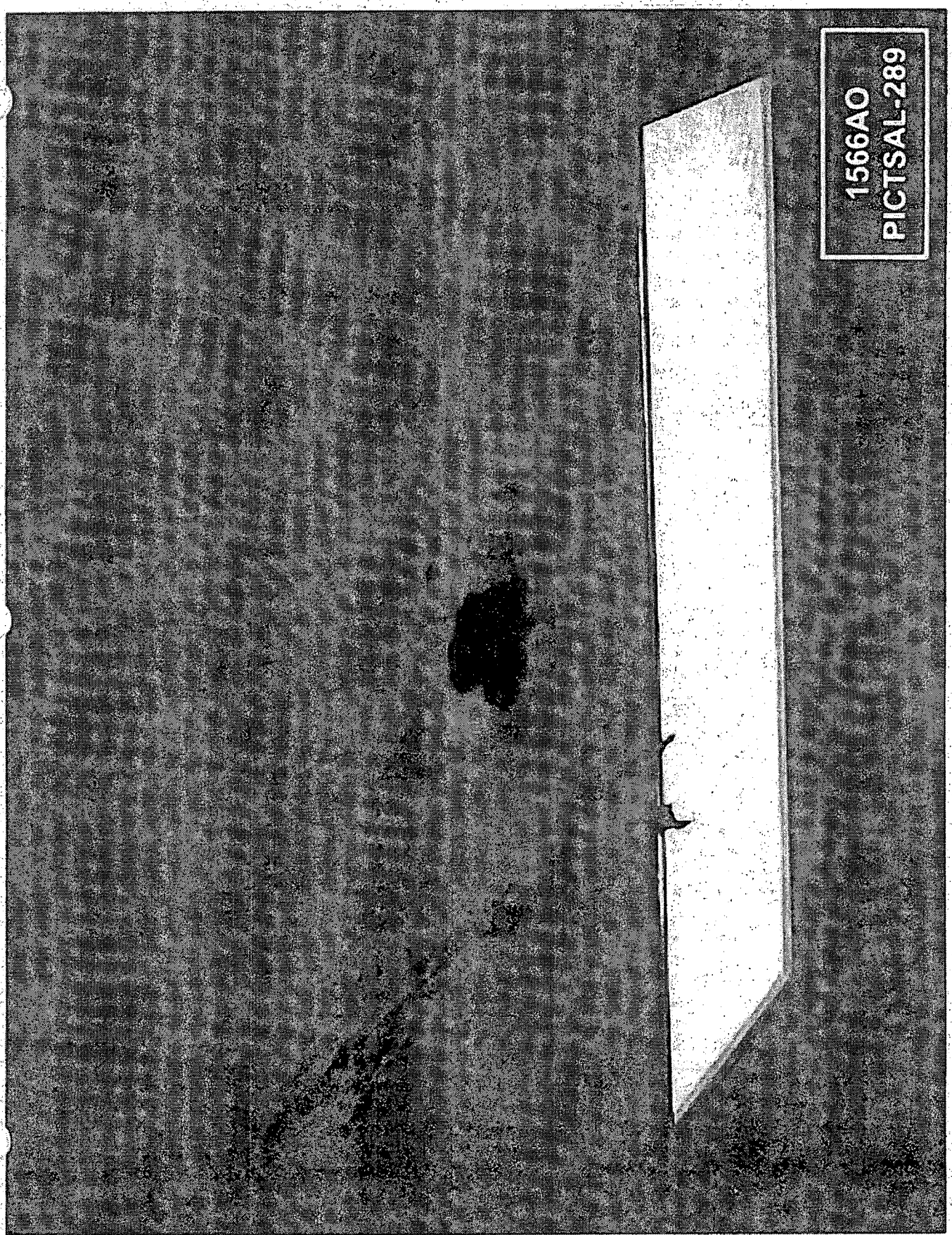

PLT_1566-0AM

REC027466



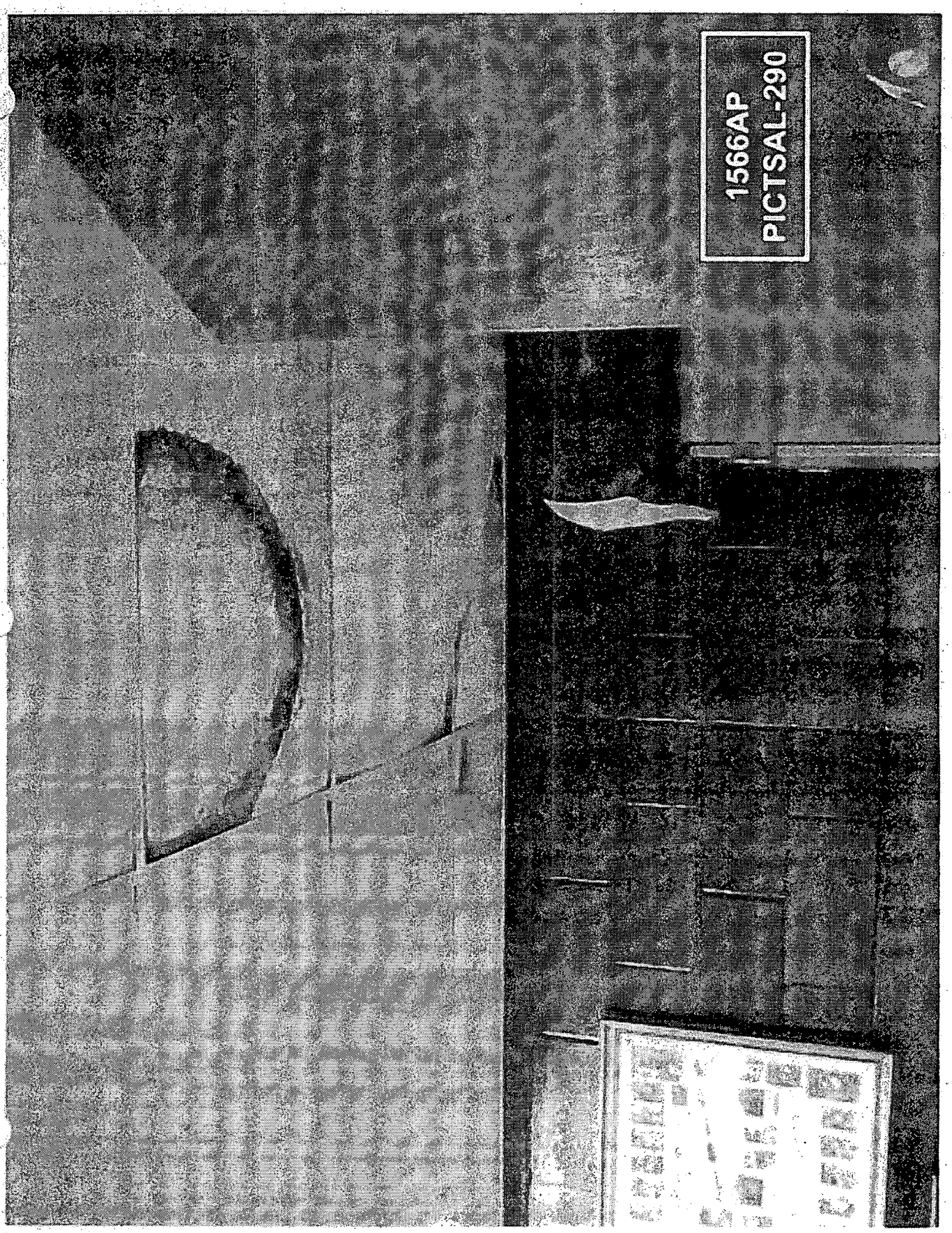

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REC027467



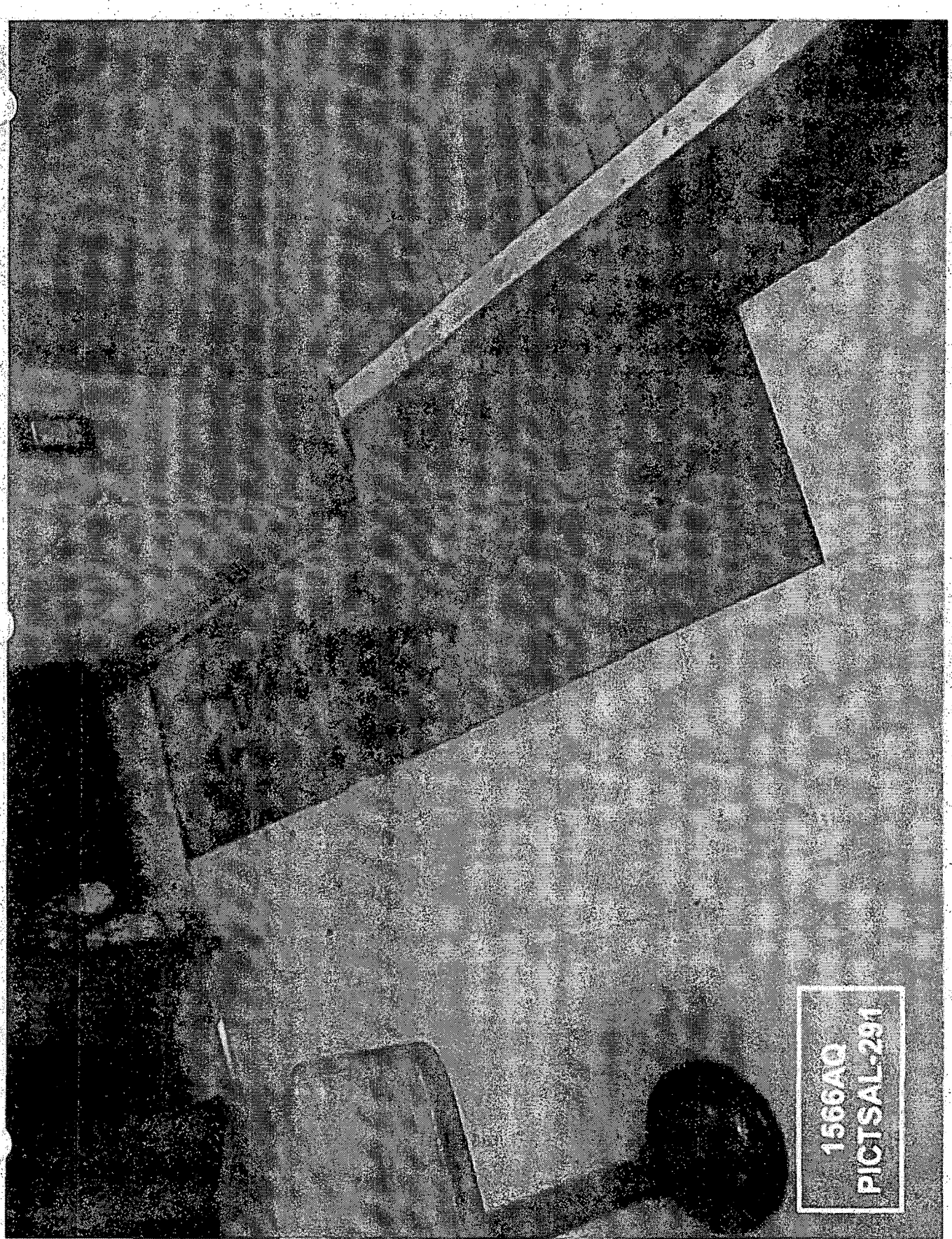

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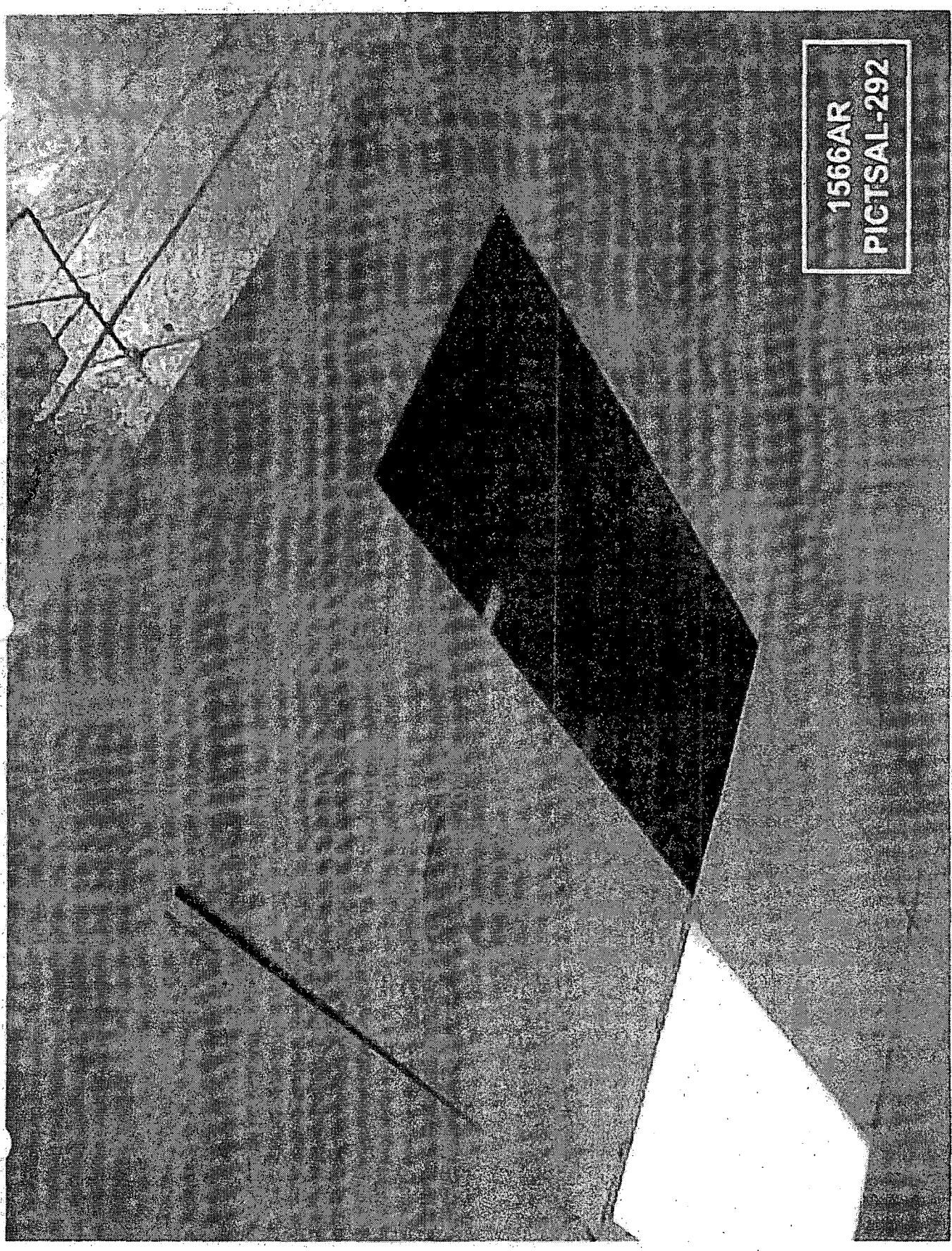



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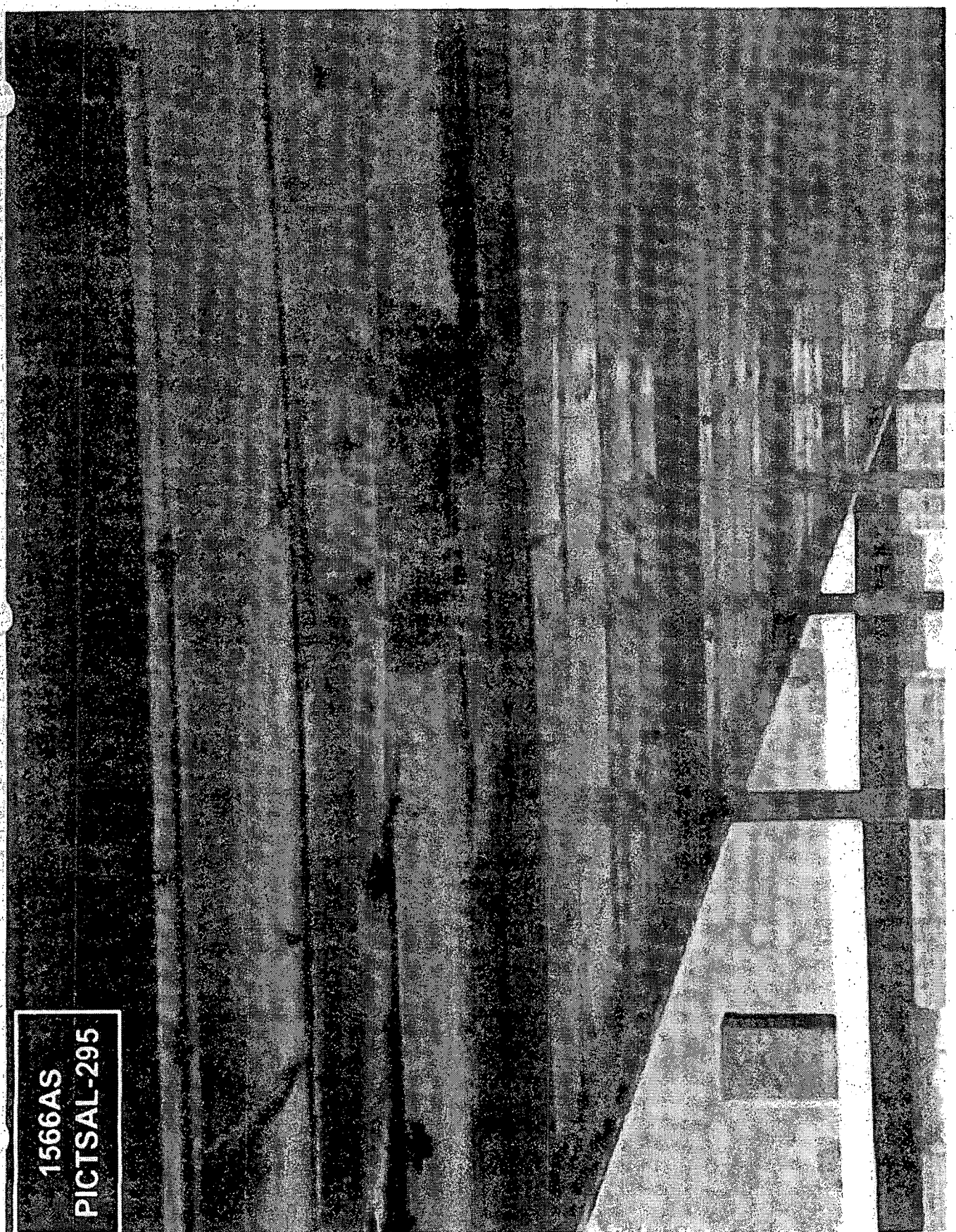
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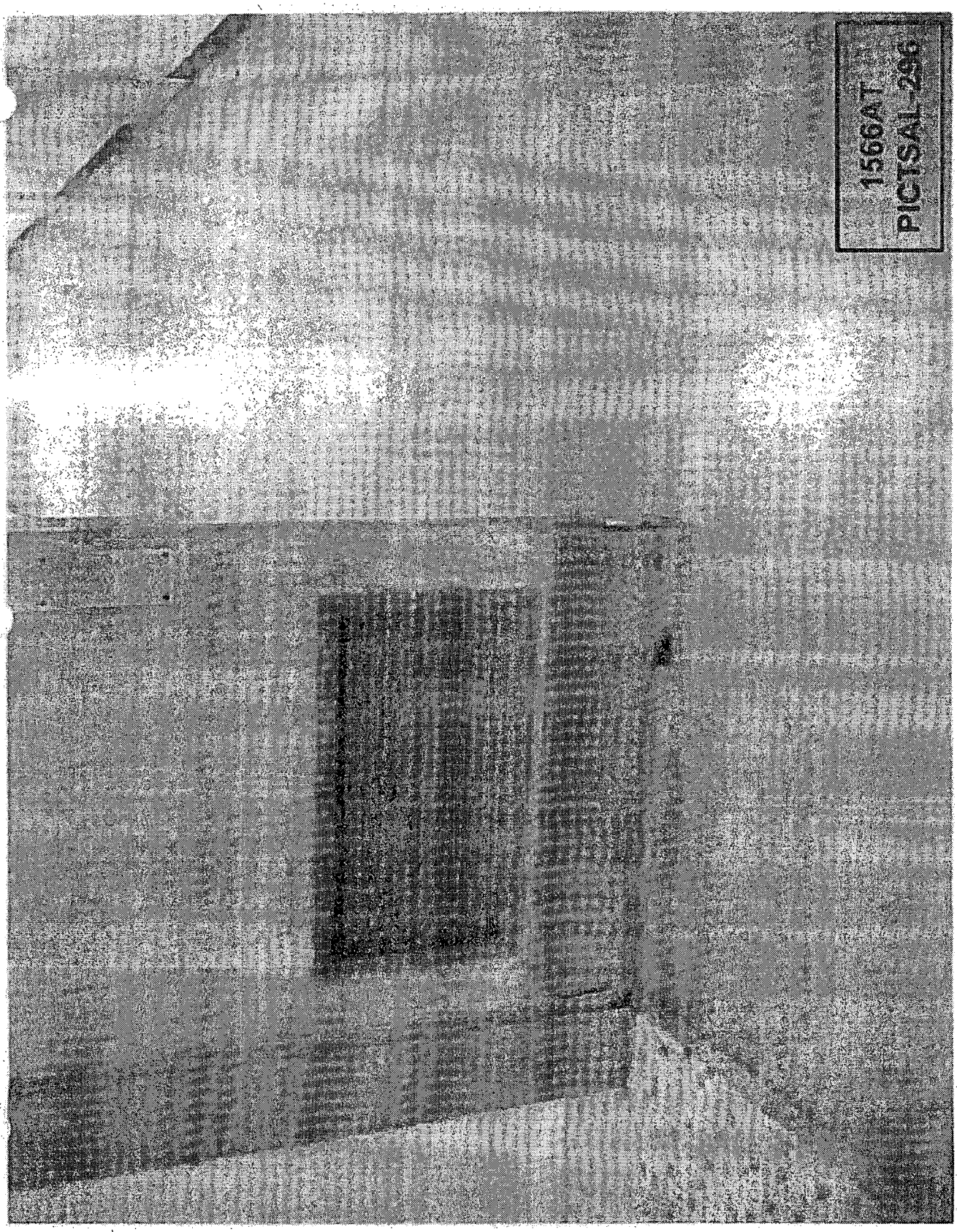

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PLT_1566-0AR-0006

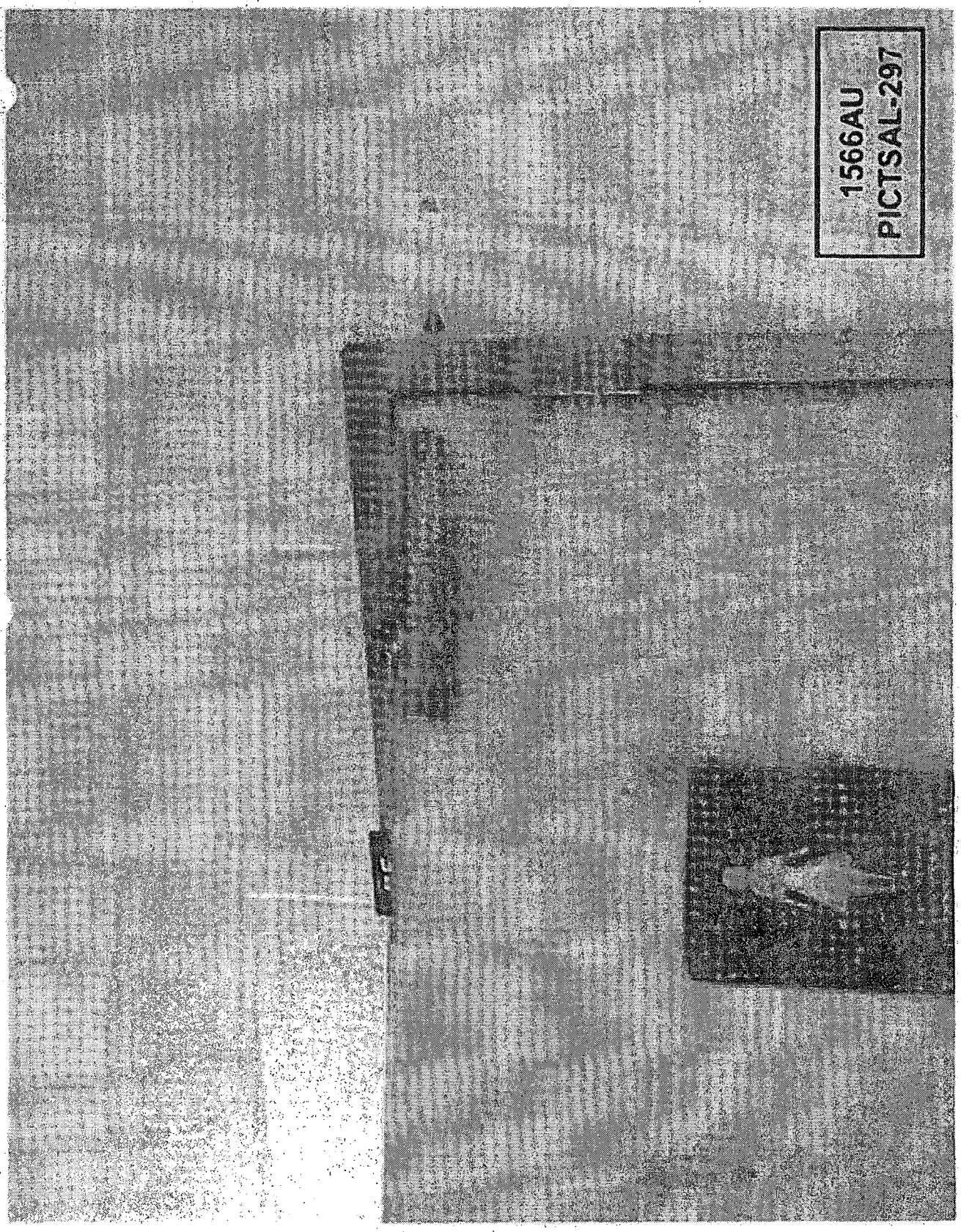



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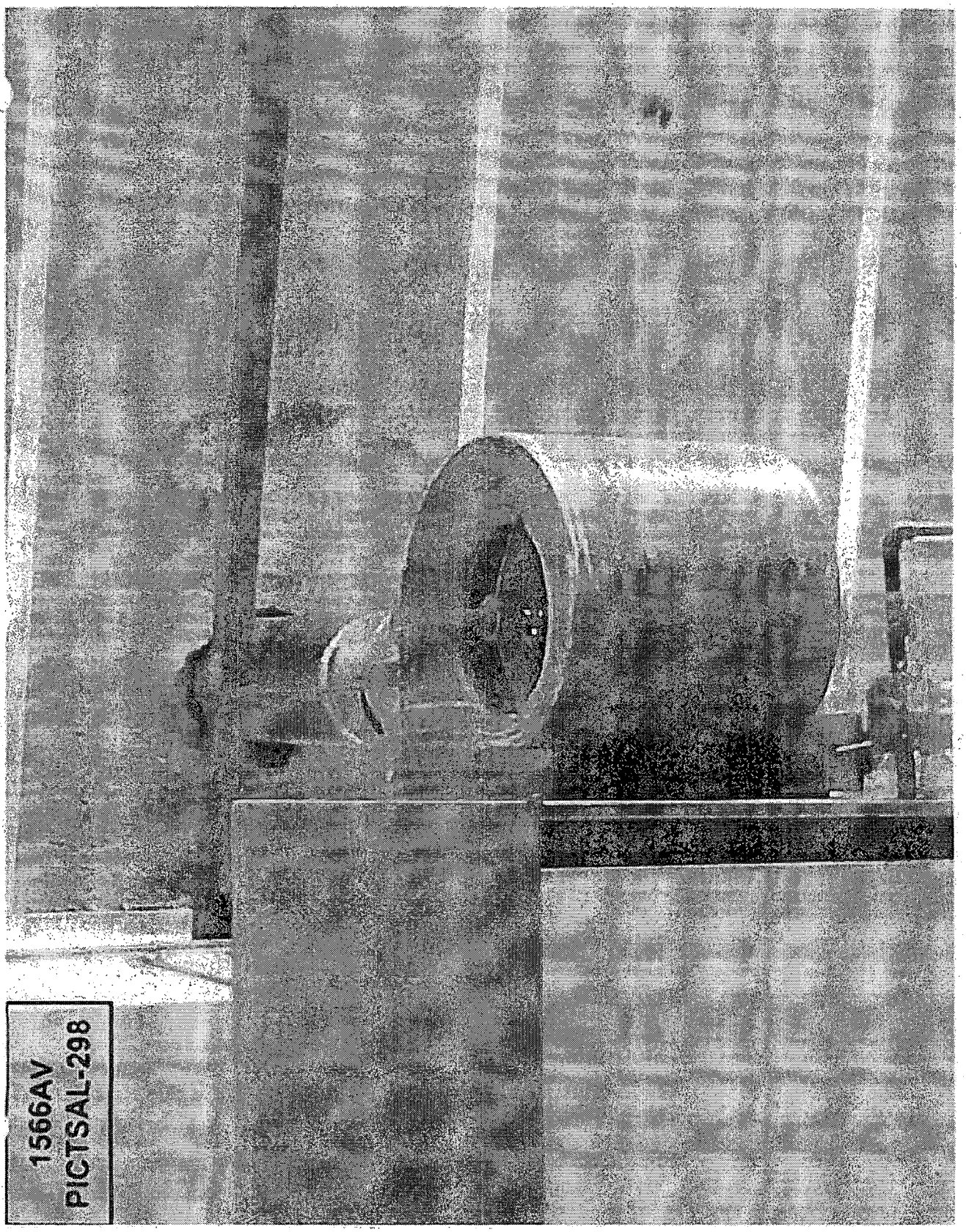

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REC027473



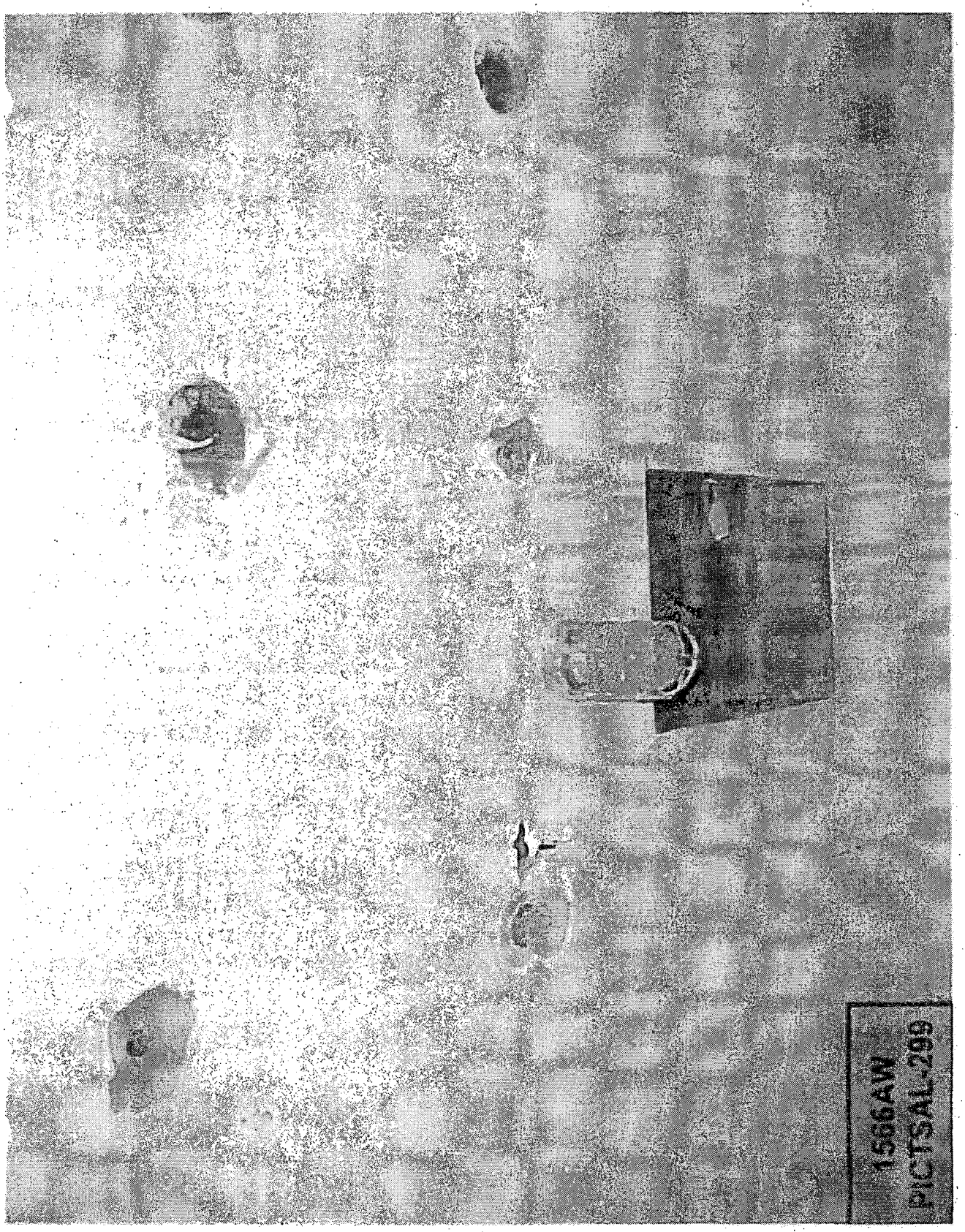

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REC027474



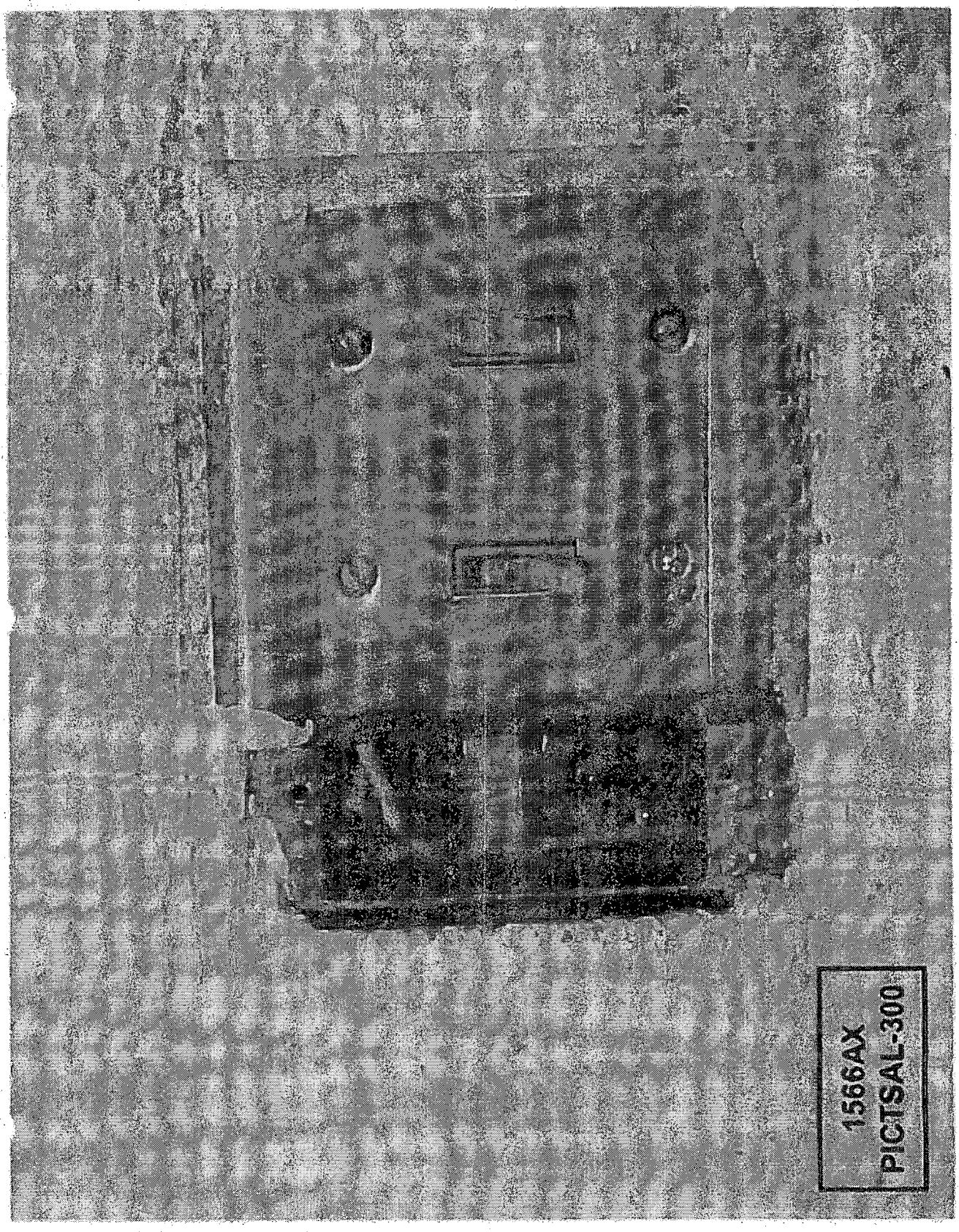

PLT_1566-0AV-0004

REC027475




PLT_1566-0AW-0005

REC027476




PLT_1566-0AX-0006

REC027477

REC027744

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REC027765

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PLT_1570-0ED

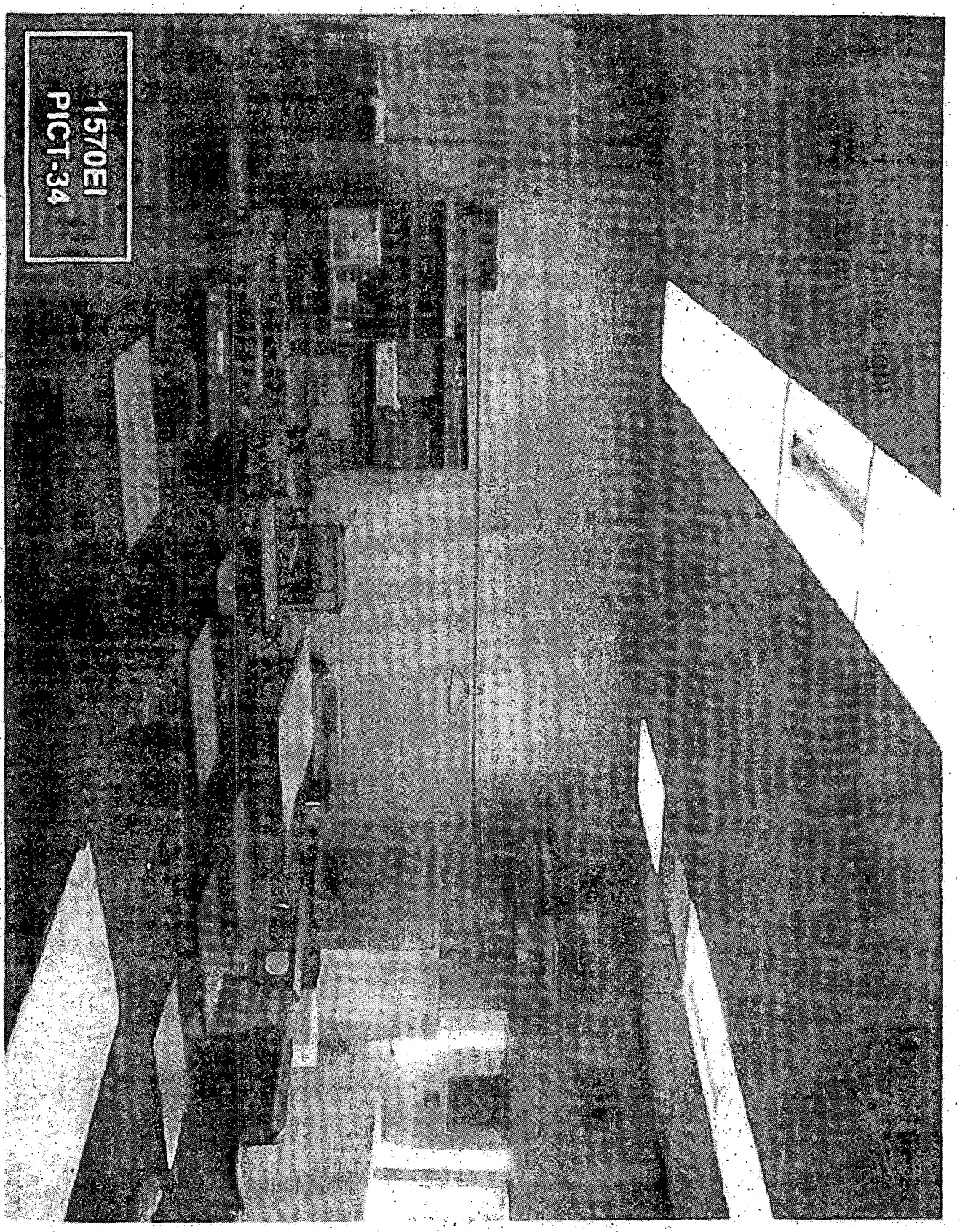
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REC027878




PLT_1570-0EI

REC027880

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REC027881

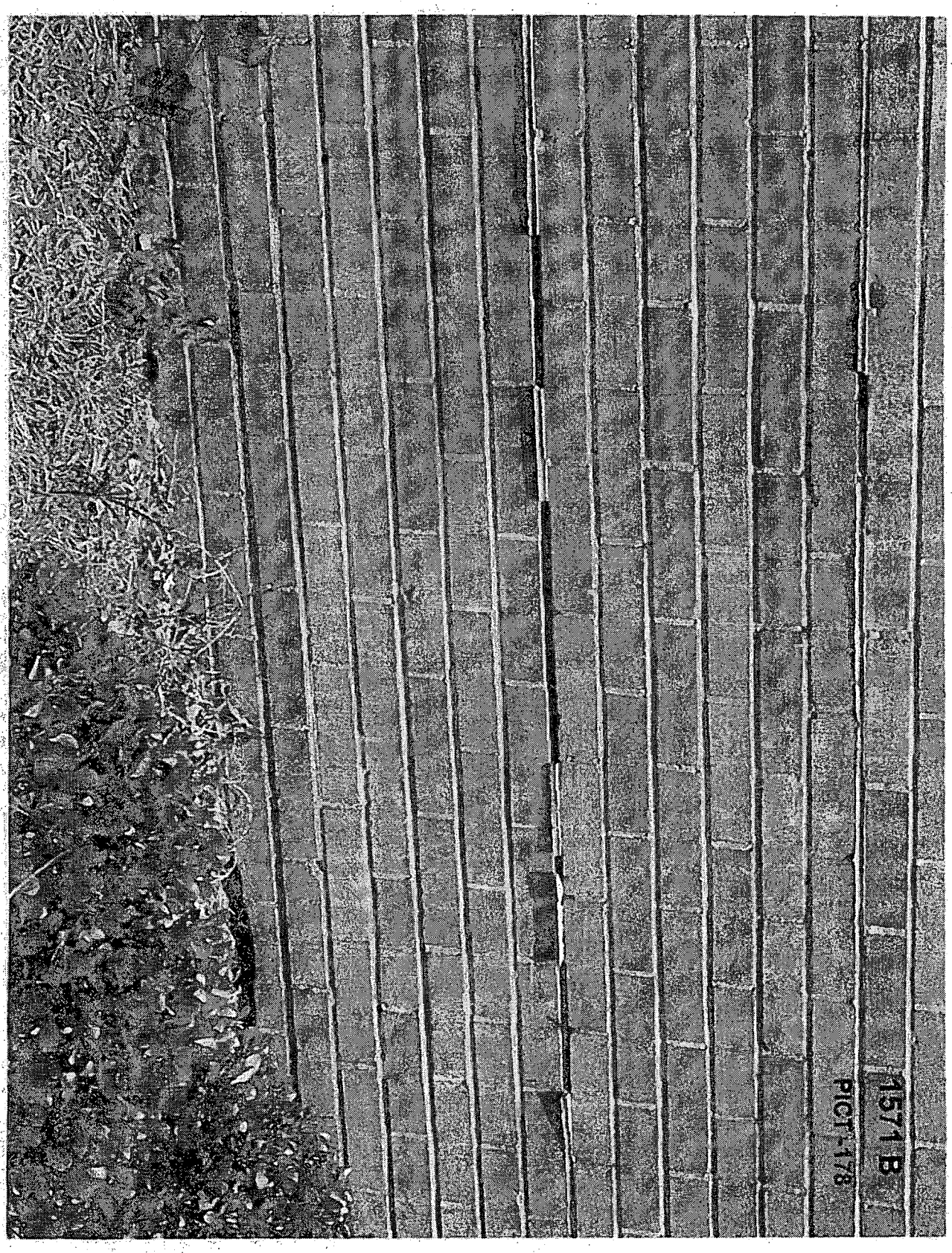
1571 A

PICT -177

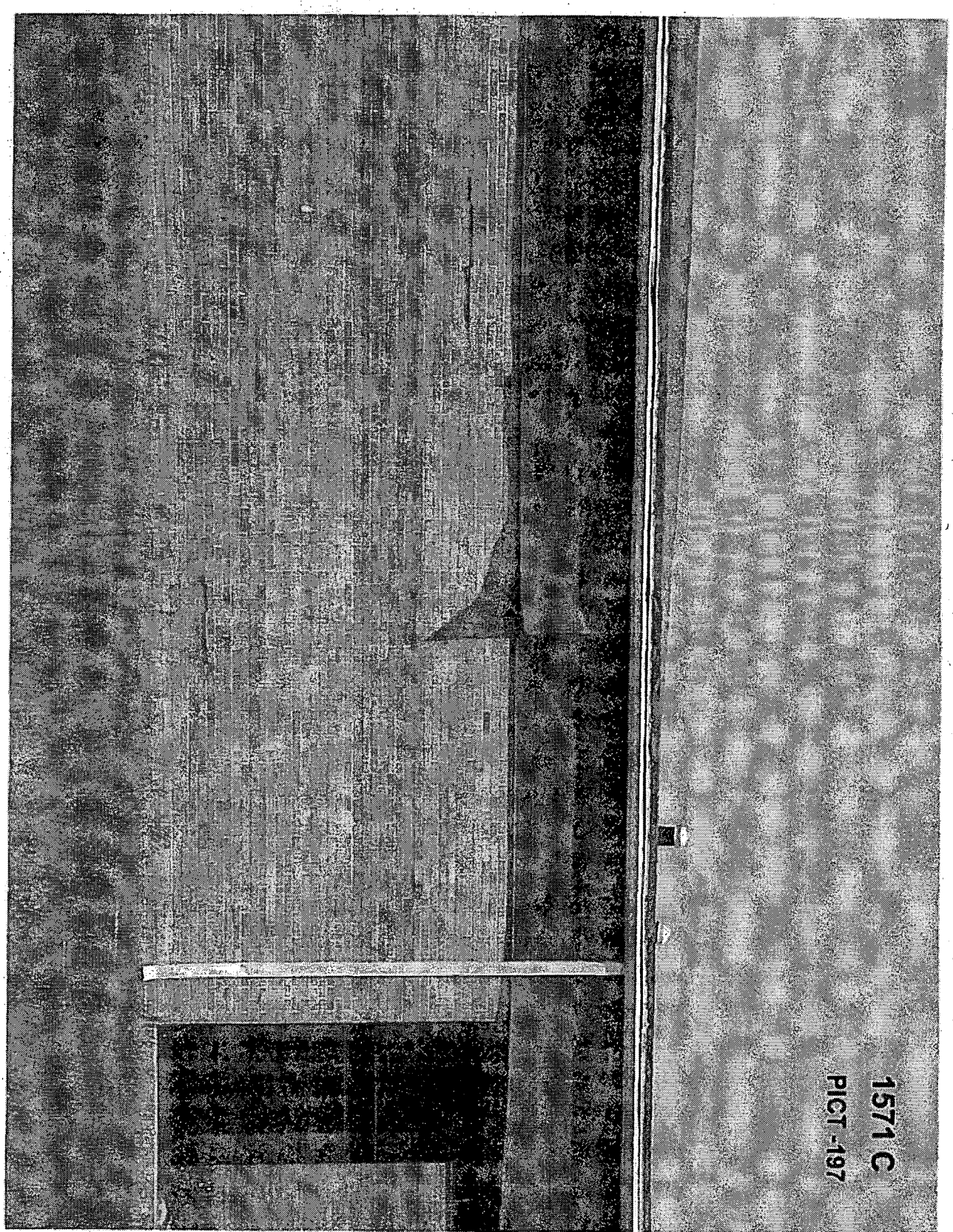


PLT_1571-00A

REC027902

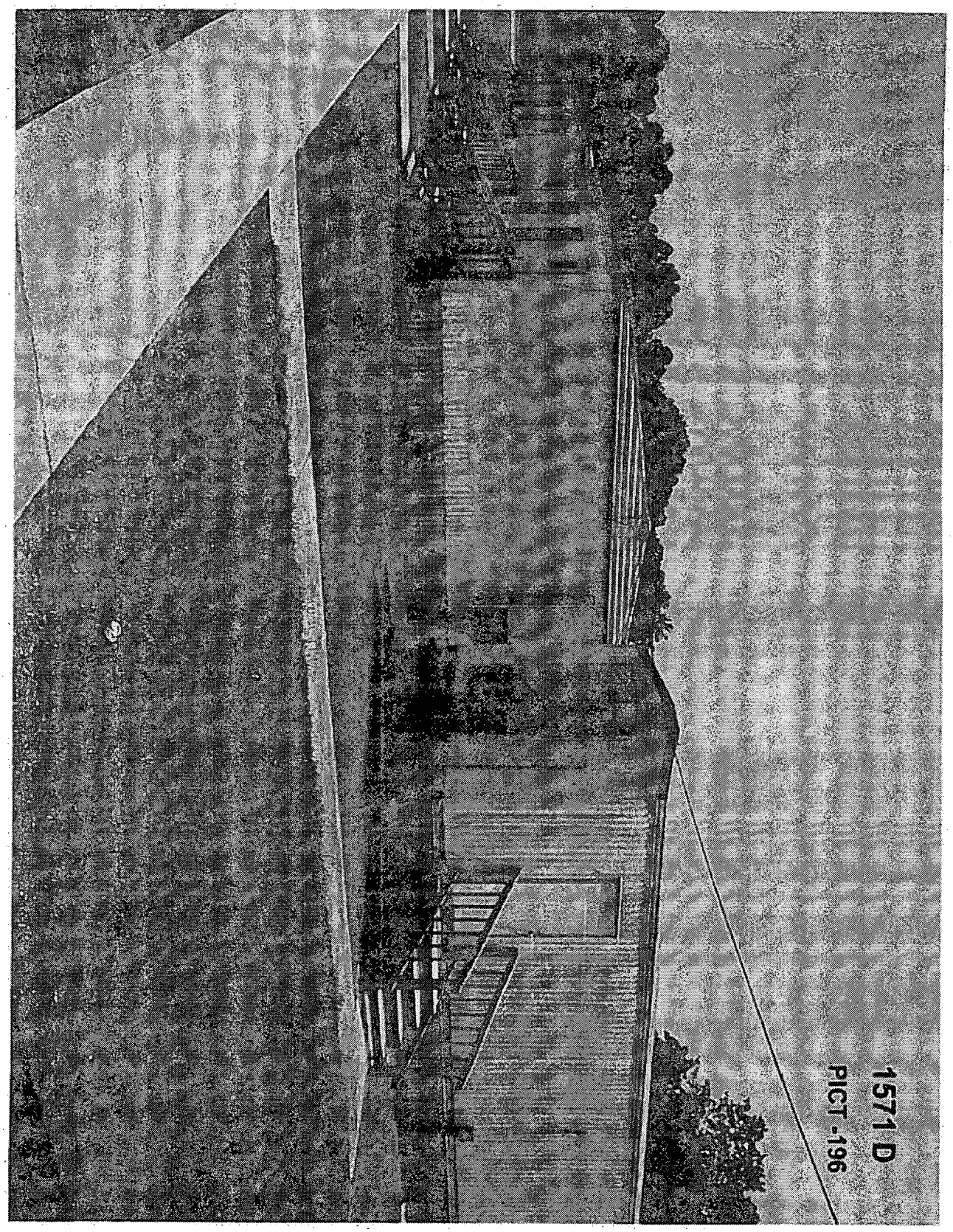



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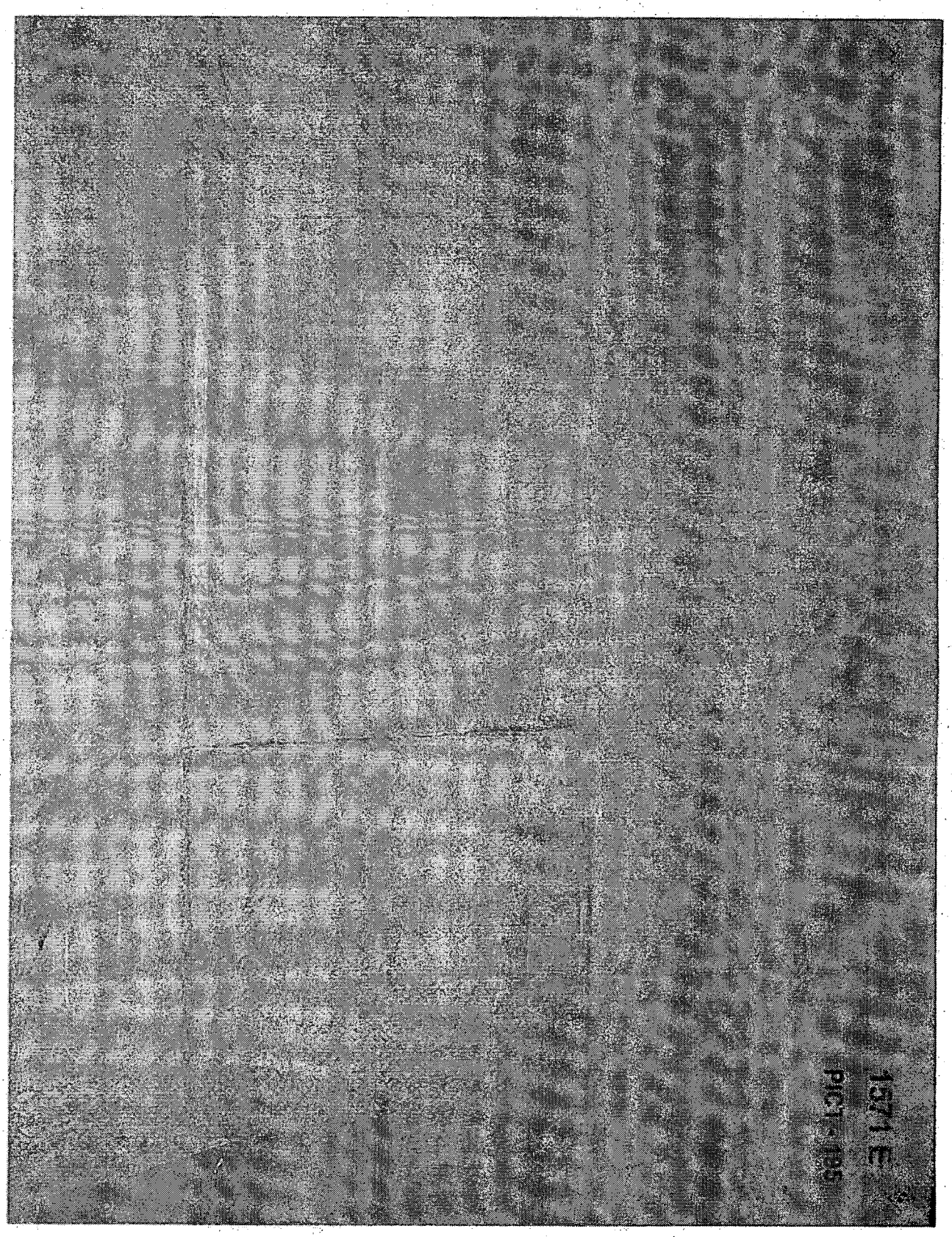



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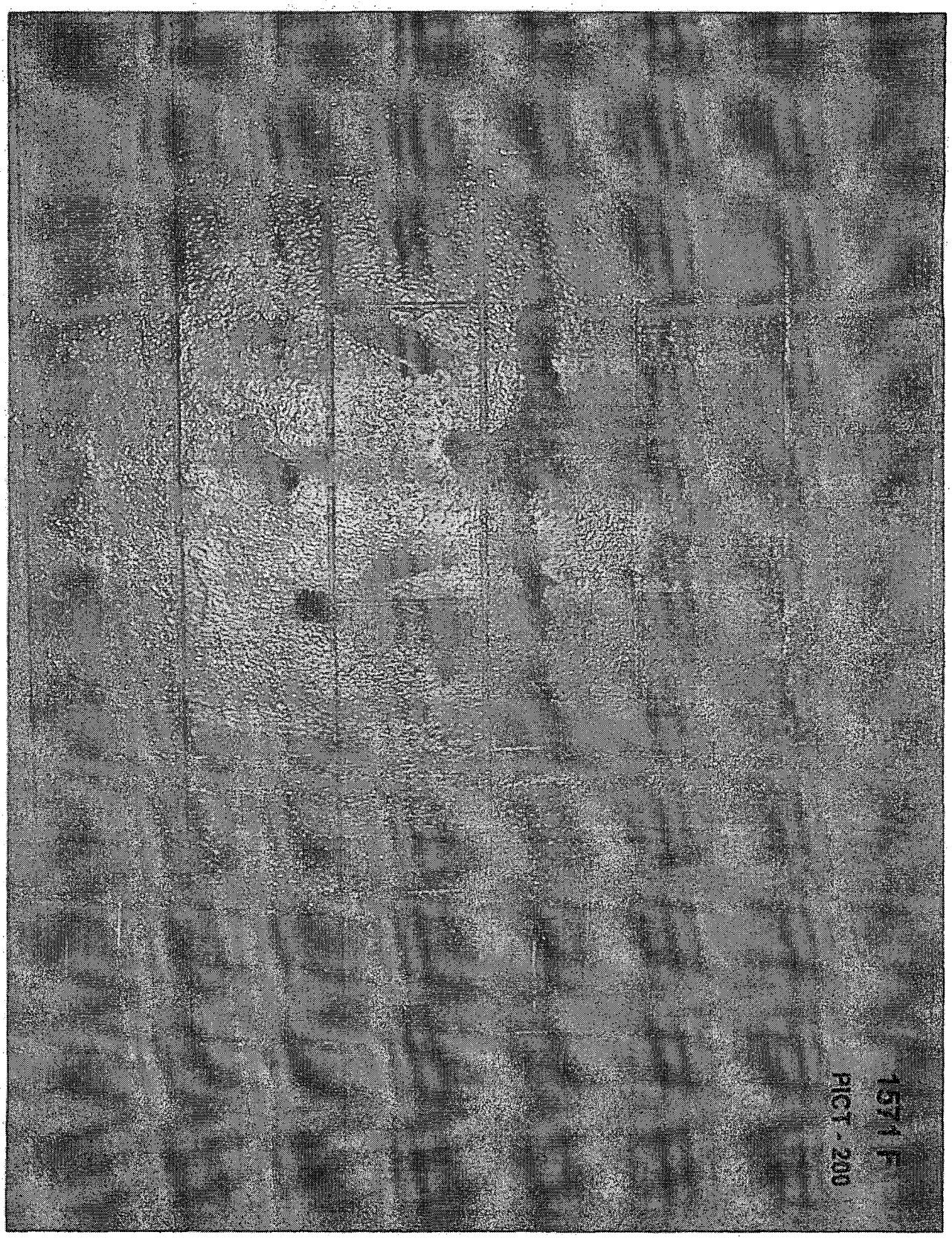
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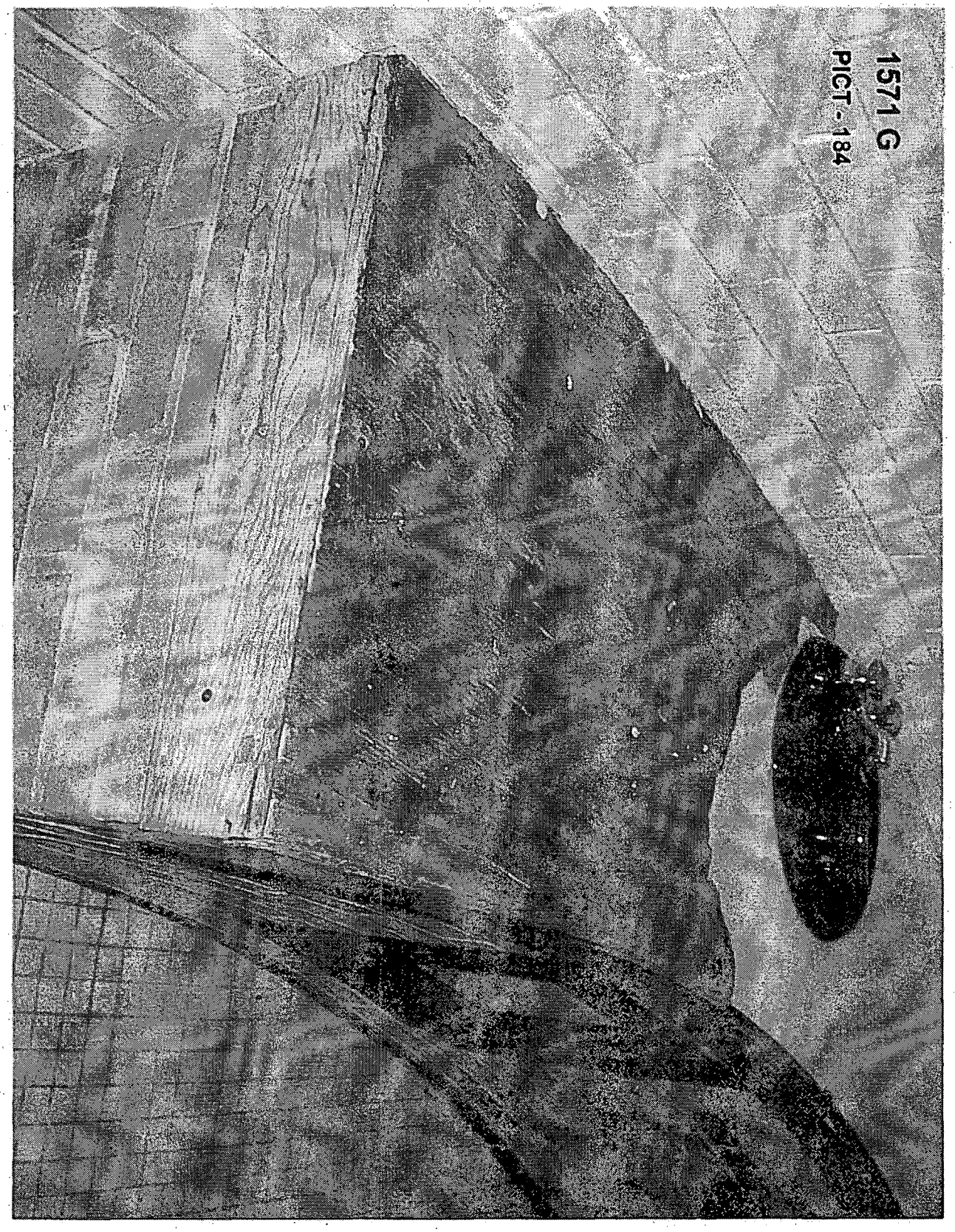

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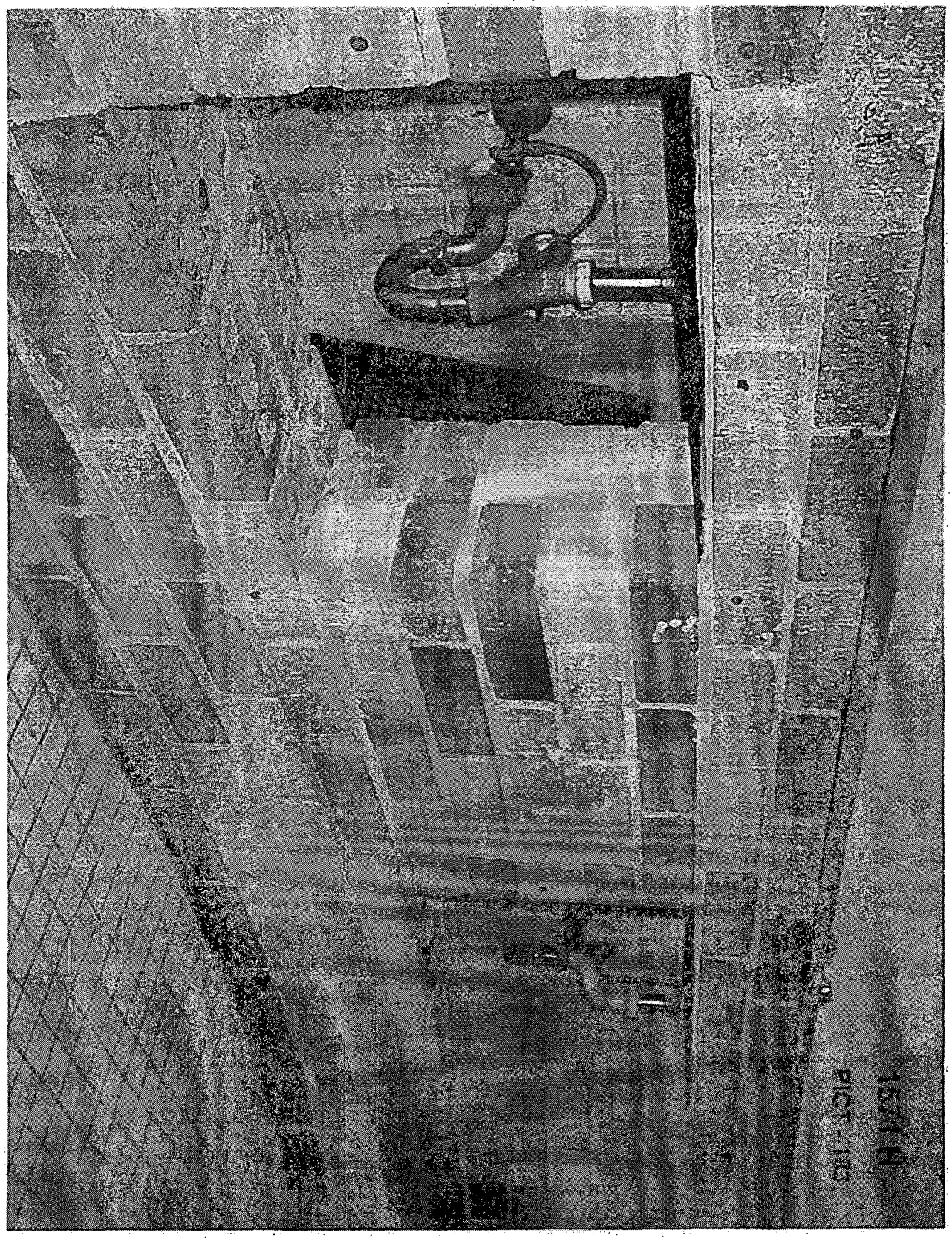
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PLT_1571-00F




PLT_1571-00G

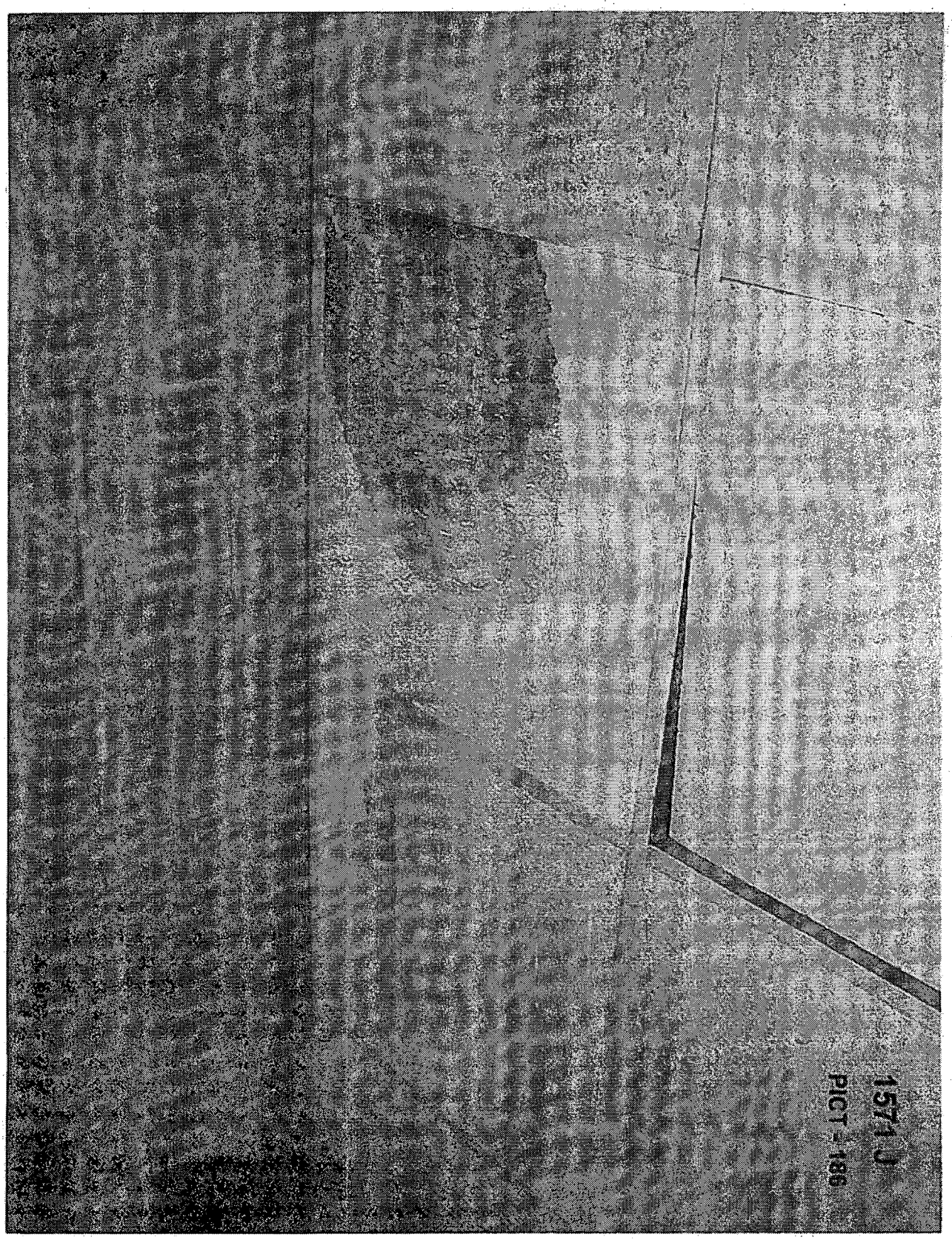


PLT_1571-00H




PLT_1571-001

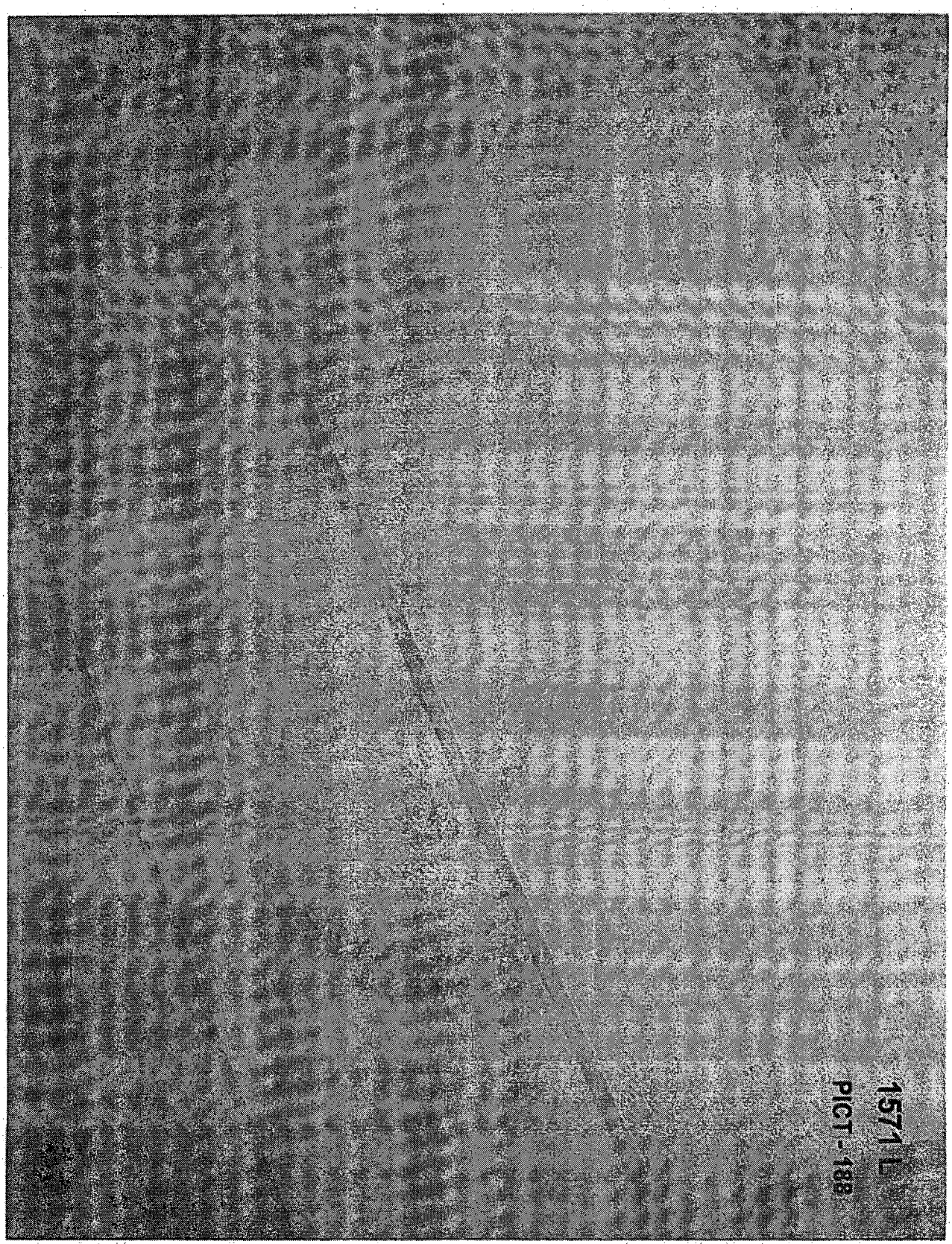
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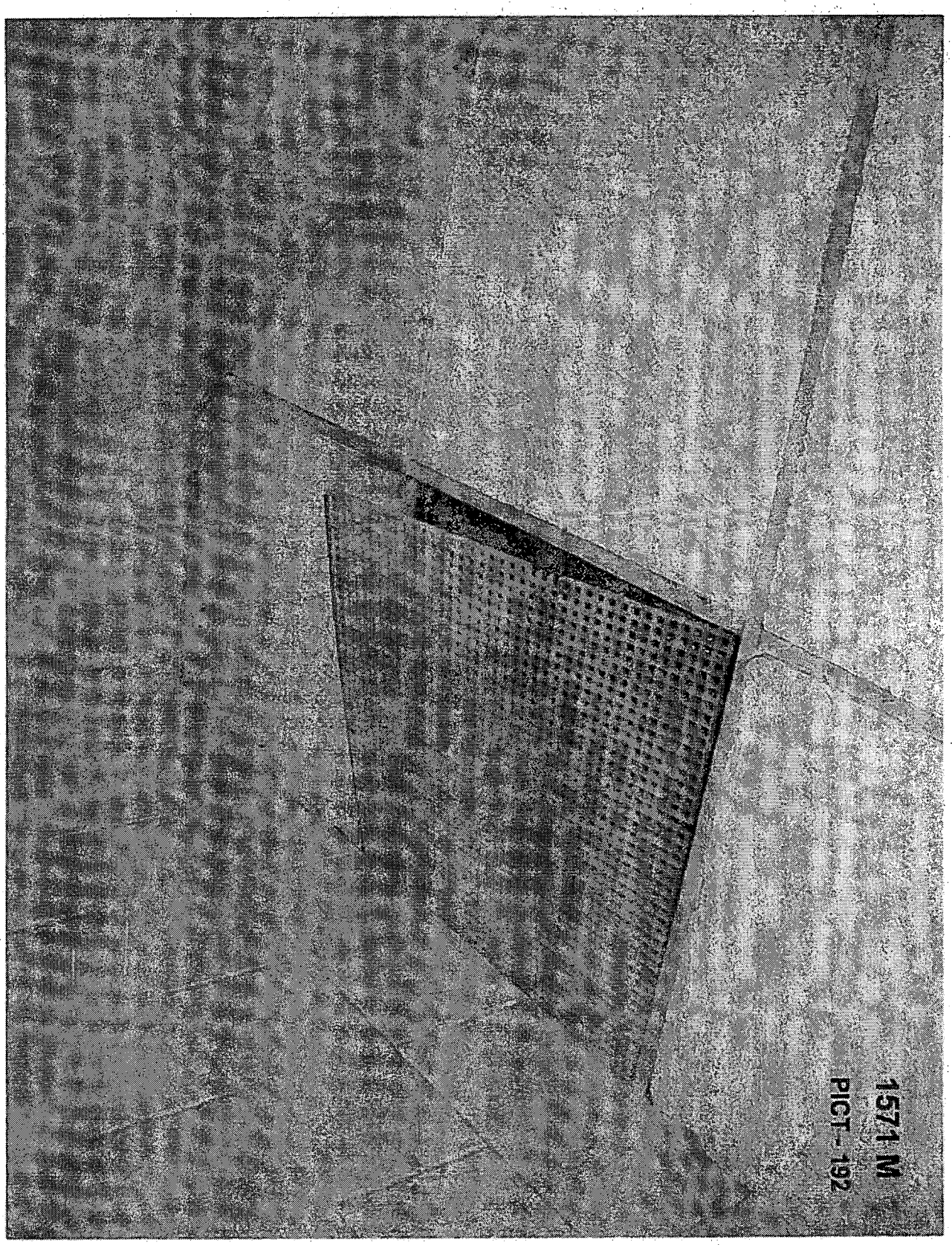

PLT_1571-00J

PLT_1571-00K

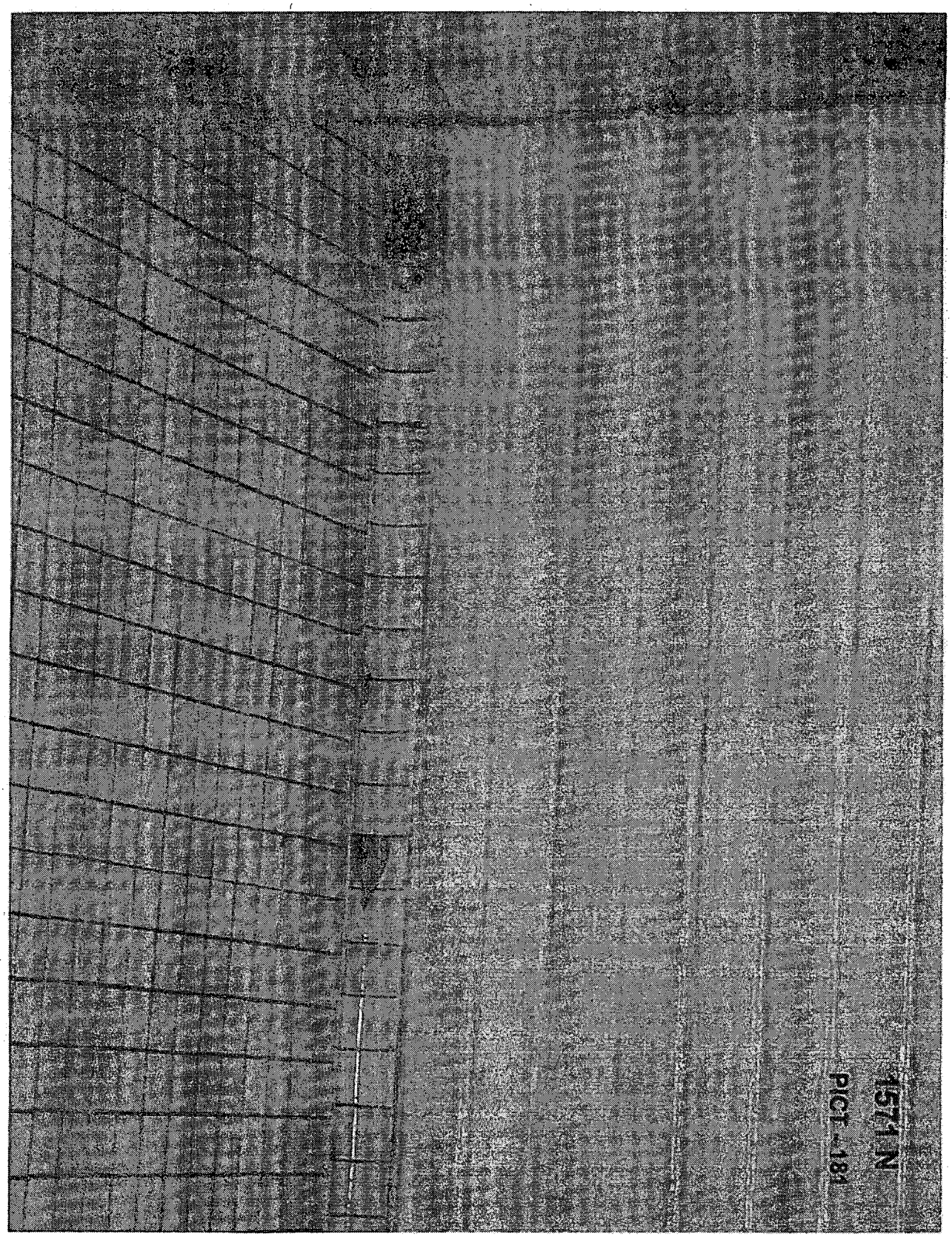
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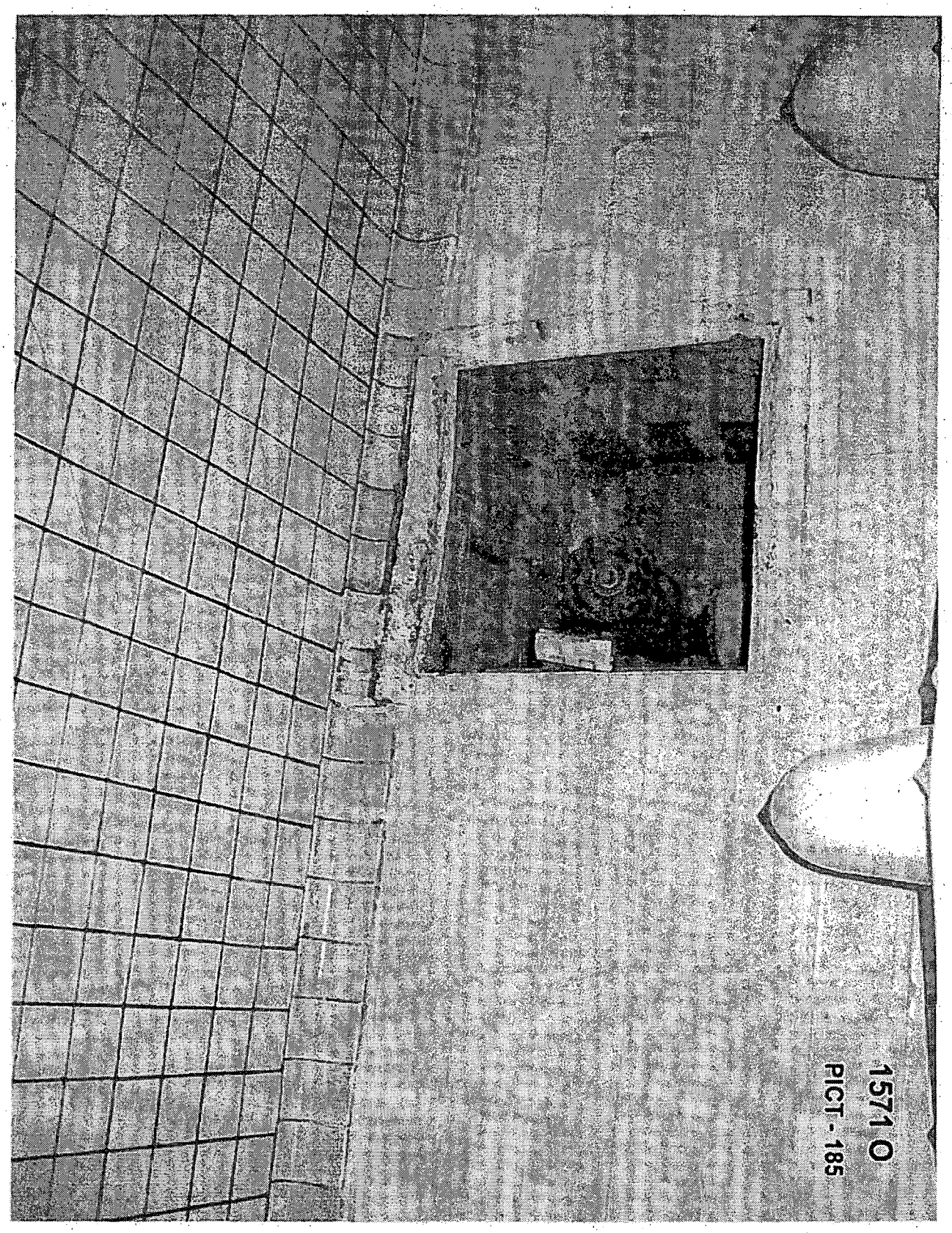

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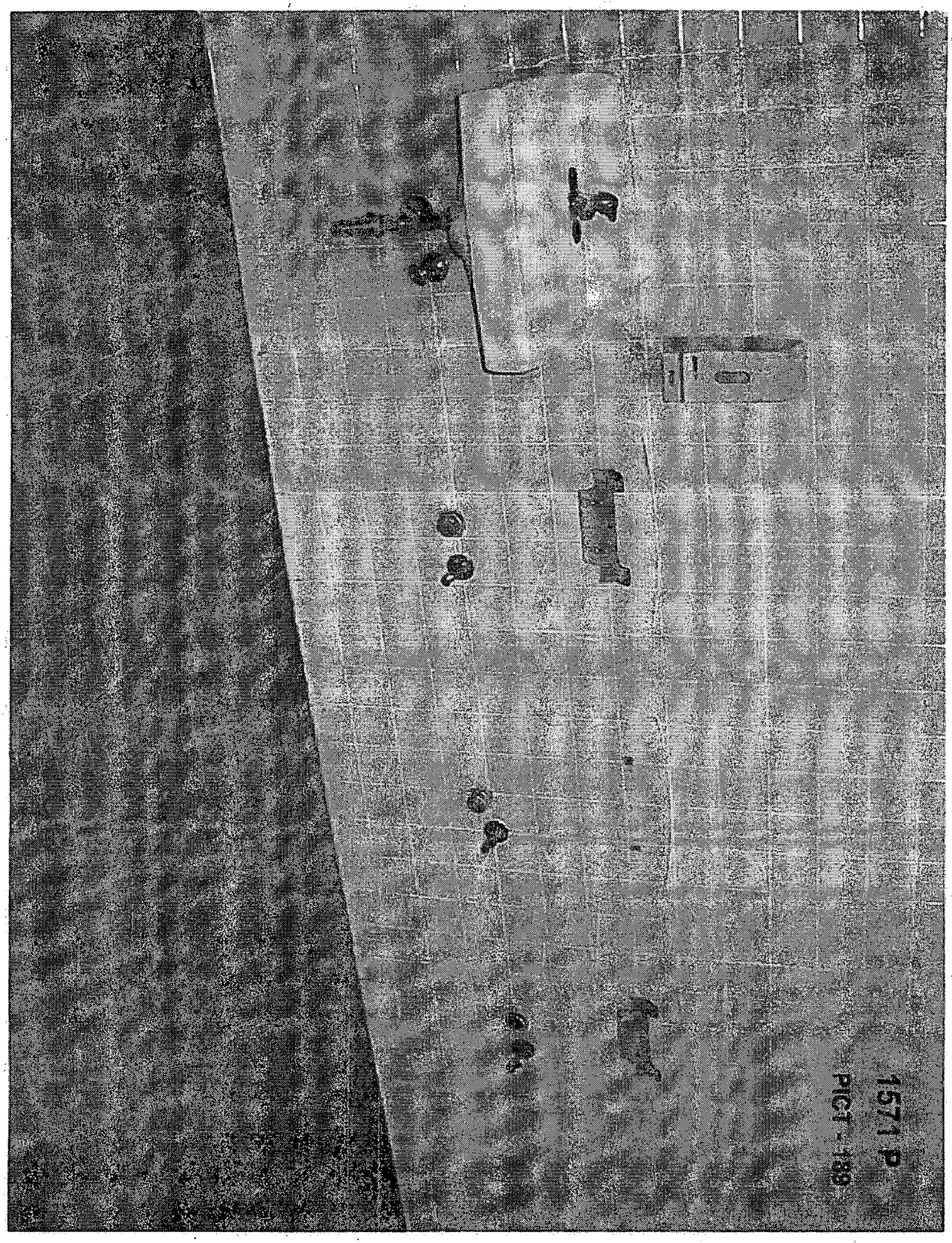



PLT_1571-00N




PLT_1571-00O

REC027916



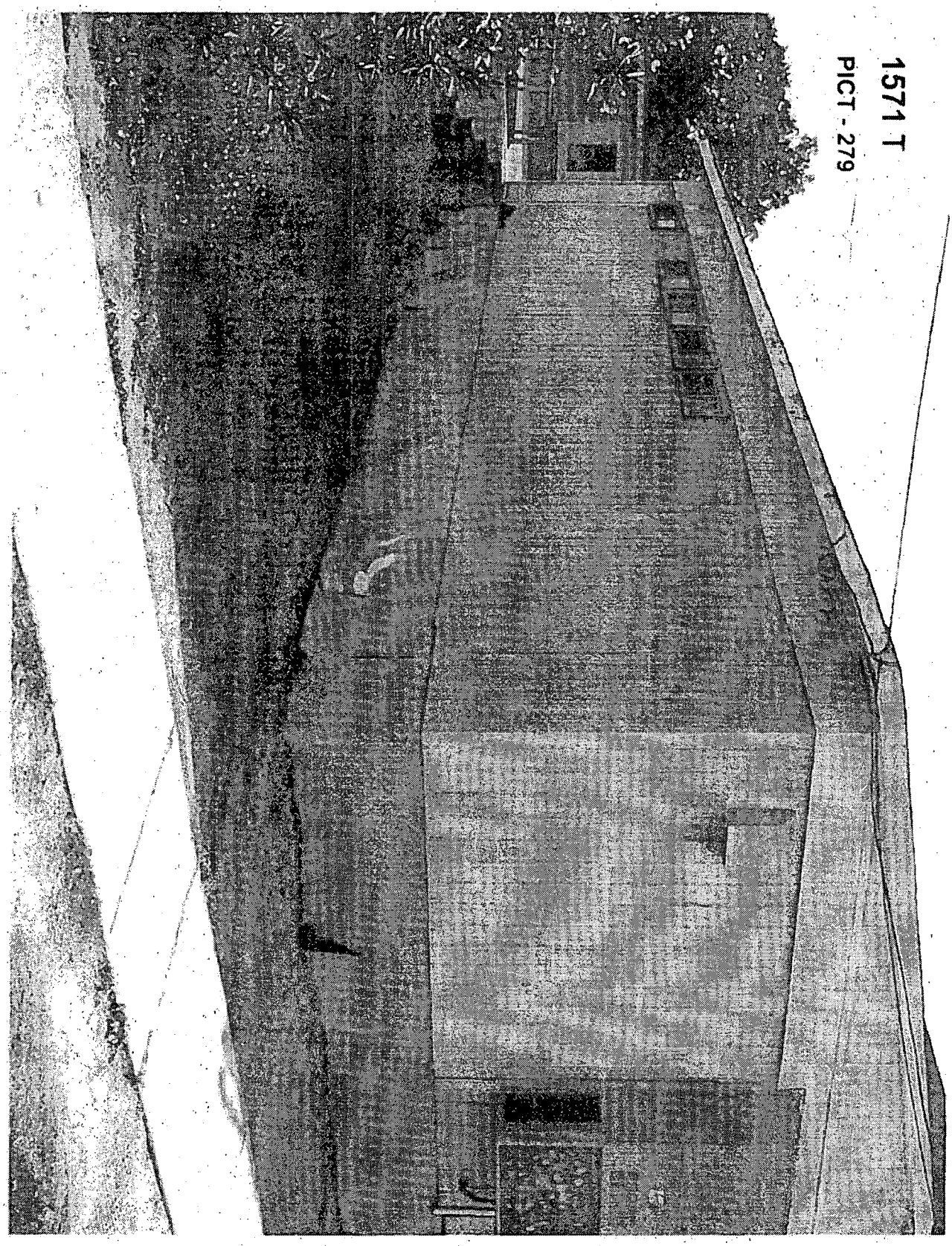

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PLT_1571-00Q

REC027918

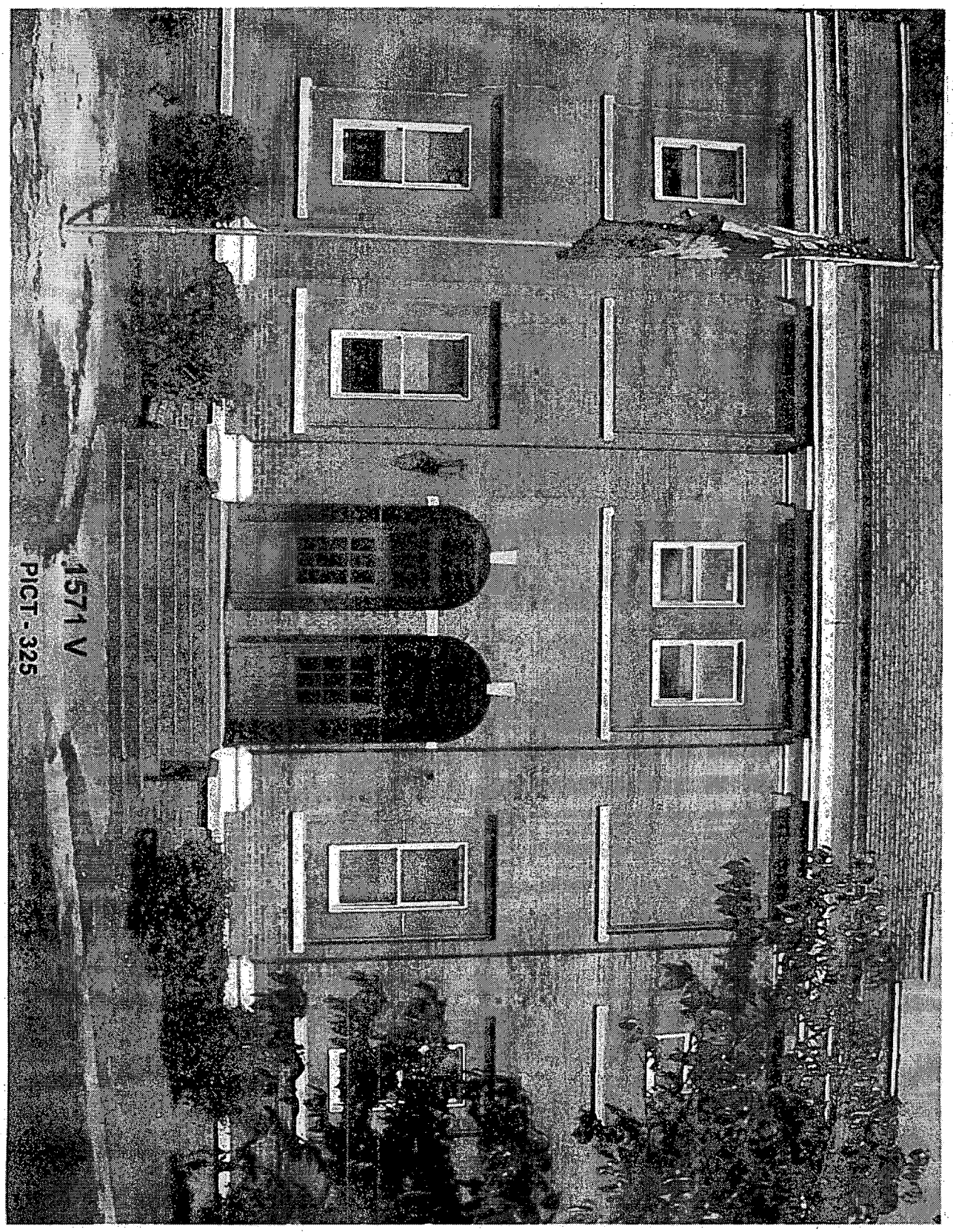
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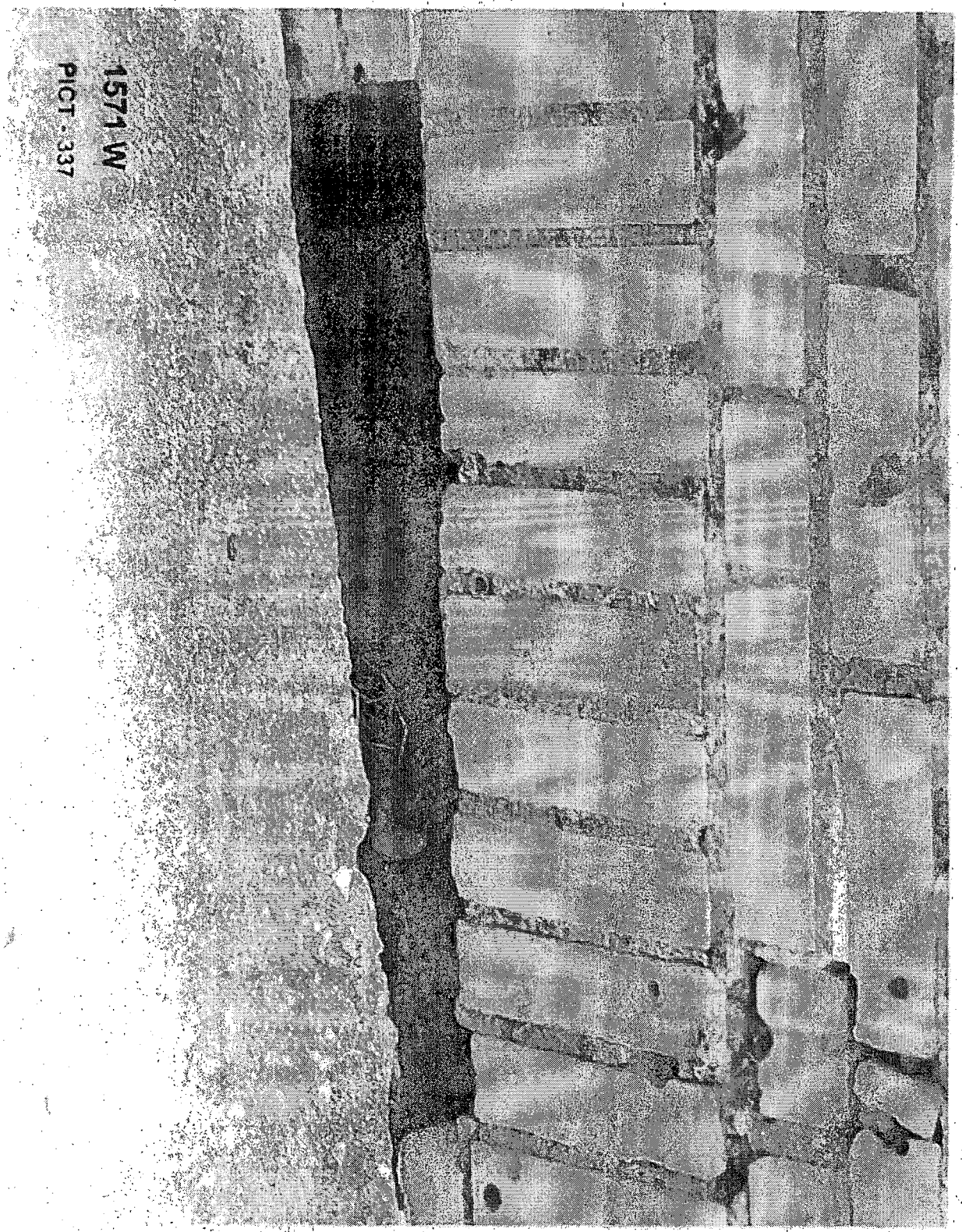



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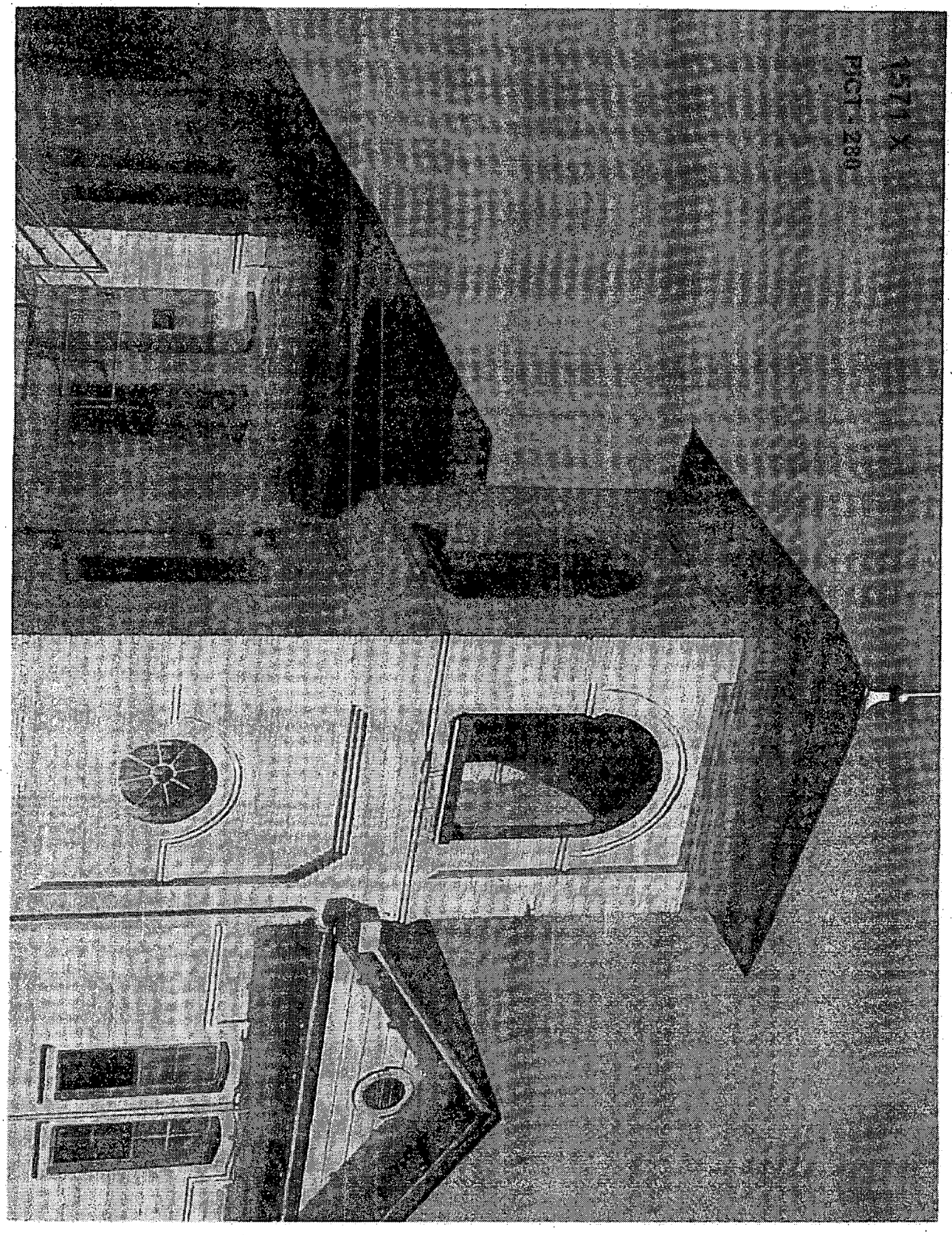
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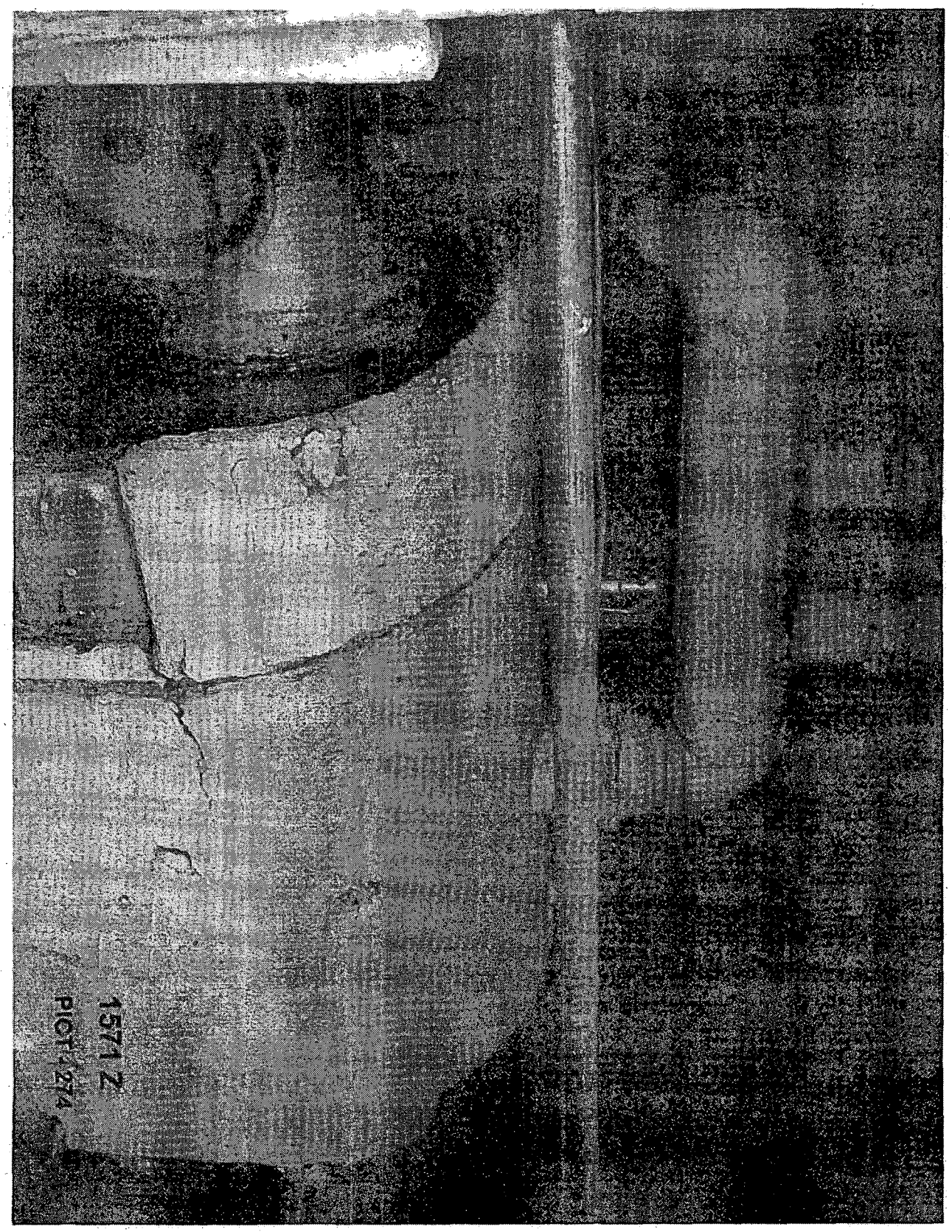



PLT_1571-00W


PLT_1571-00X

PLT_1571-00Y

REC027924

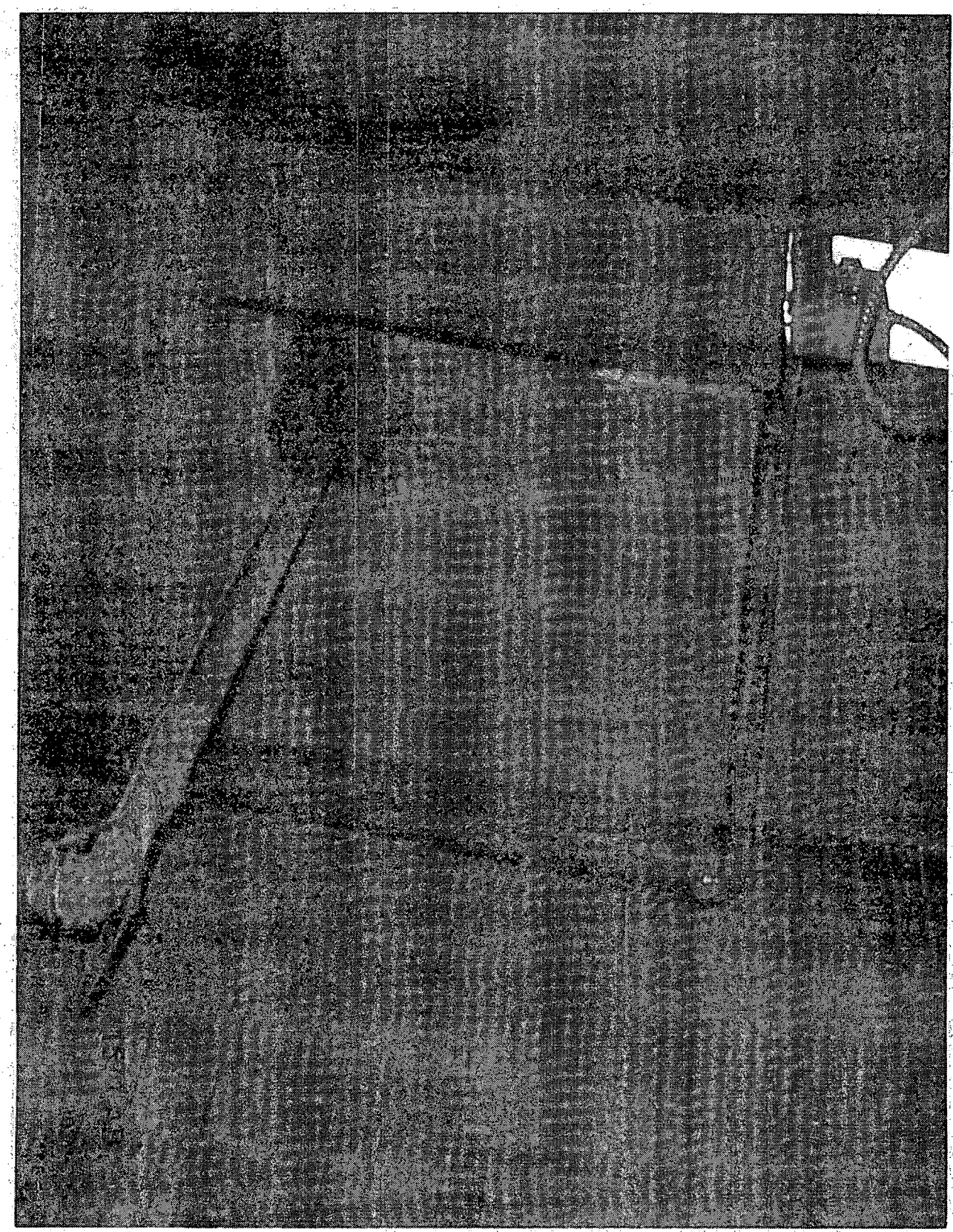



PLT_1571-00Z



PLT_1571-0AA

REC027926



PLT_1571-0AB