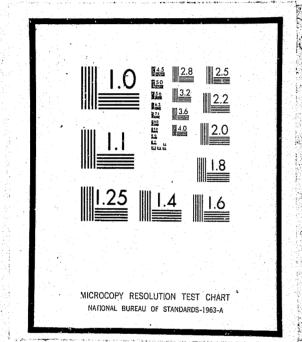
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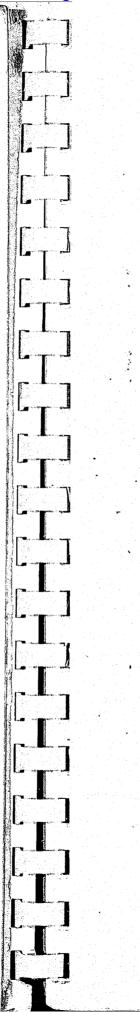


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Date filmed





March 17, 1975 FINAL REPORT · · ·

Court Facilities

in

Bristol County (MA)

The preparation of these materials was funded by grants from the Massachusetts Committee on Criminal Justice (LEAA) and the Committee of the Permanent Charity Fund, Incorporated (The Greater Boston Community Foundation).

National Center for State Courts

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As you are aware, individual reports on the individual court facilities have already been sent. If you have any questions on this report or would like additional copies, please call upon us.

NORTHEASTERN REGIONAL OFFICE 209 Bay State Road Boston, Massachusetts 02215 (617) 247-2102

> Edward B. McConnell Director

March 17, 1975

Arne L, Schoeller Associate Director

Samuel D. Conti **Regional** Director

Mr. John A. Fiske Executive Secretary 302 New Court House Boston, Massachusetts 02108

Dear Mr. Fiske:

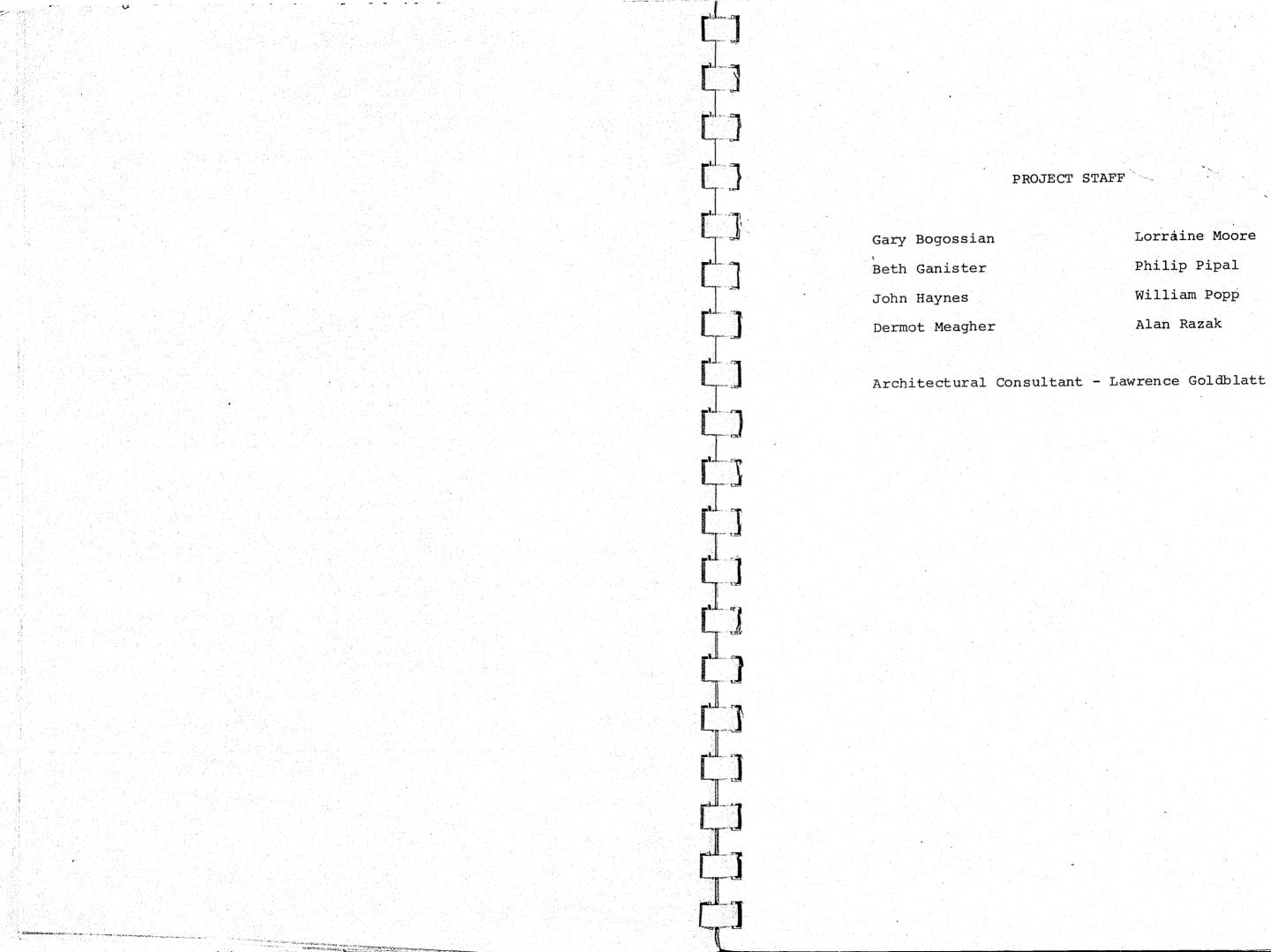
We are pleased to send you our study of the facilities for all courts in Bristol County with special attention paid to the Superior Court and the Probate Court facilities in that county. This study was undertaken as the result of your request to us last summer to investigate the status of court facilities in Bristol County at the present time and since the December 23, 1969, decision in the case of John W. McIntyre & Others v. County Commissioners of the County of Bristol & Others, which decision has not been implemented.

Copies of this report are being sent to members of the Judicial Conference, Superior Court Judges Ponte and McGuire, Bristol County Probate Judge Rotenberg, Bristol County Juvenile Court Judge Harper, Frank Orfanello at the Superior Court, Arnold Rosenfeld of the Massachusetts Committee on Criminal Justice, Fred Glimp of the Boston Permanent Charity Fund and Julia Kaufmann of the Governor's Judicial Selection Committee.

Very truly yours,

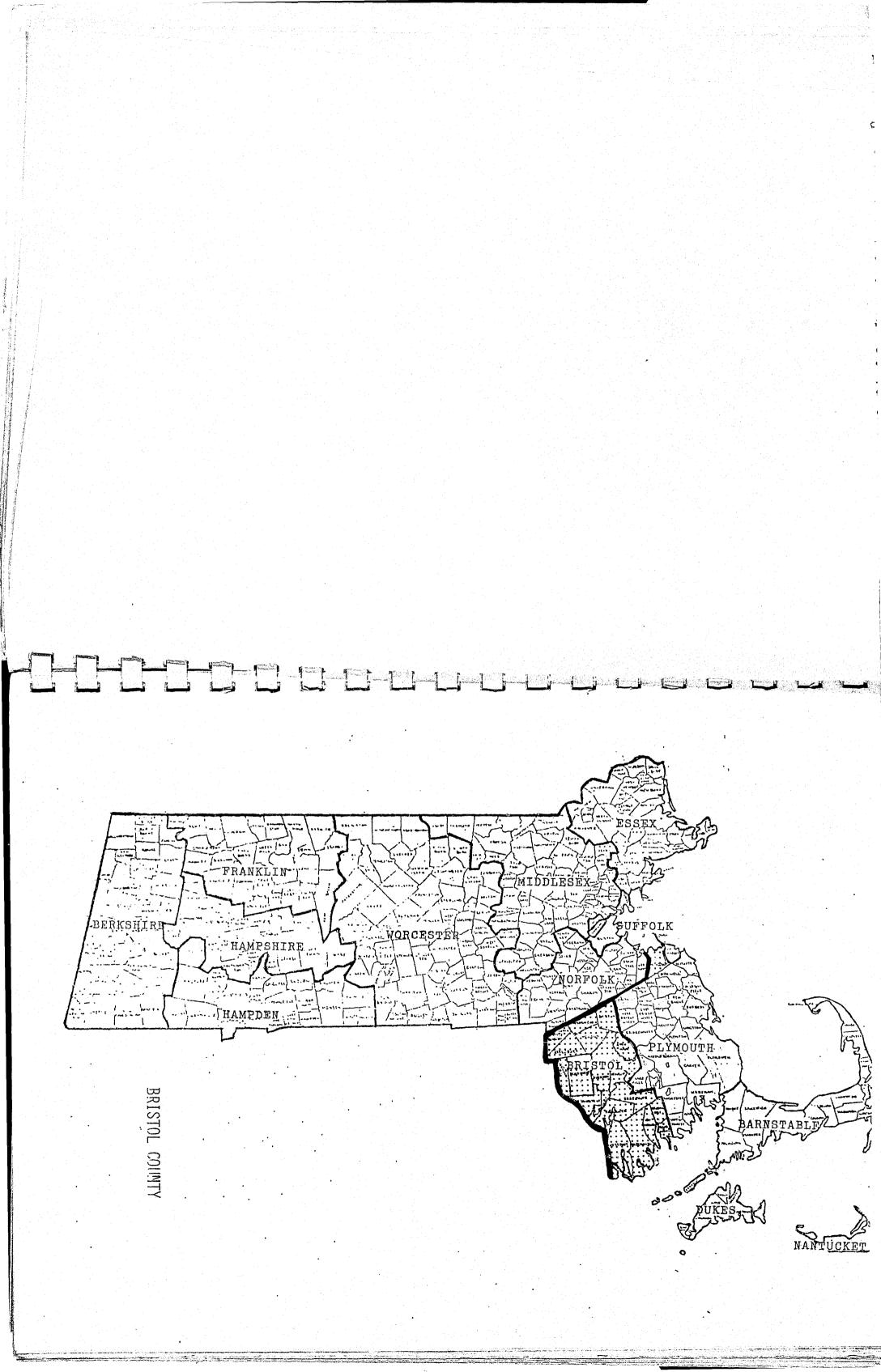
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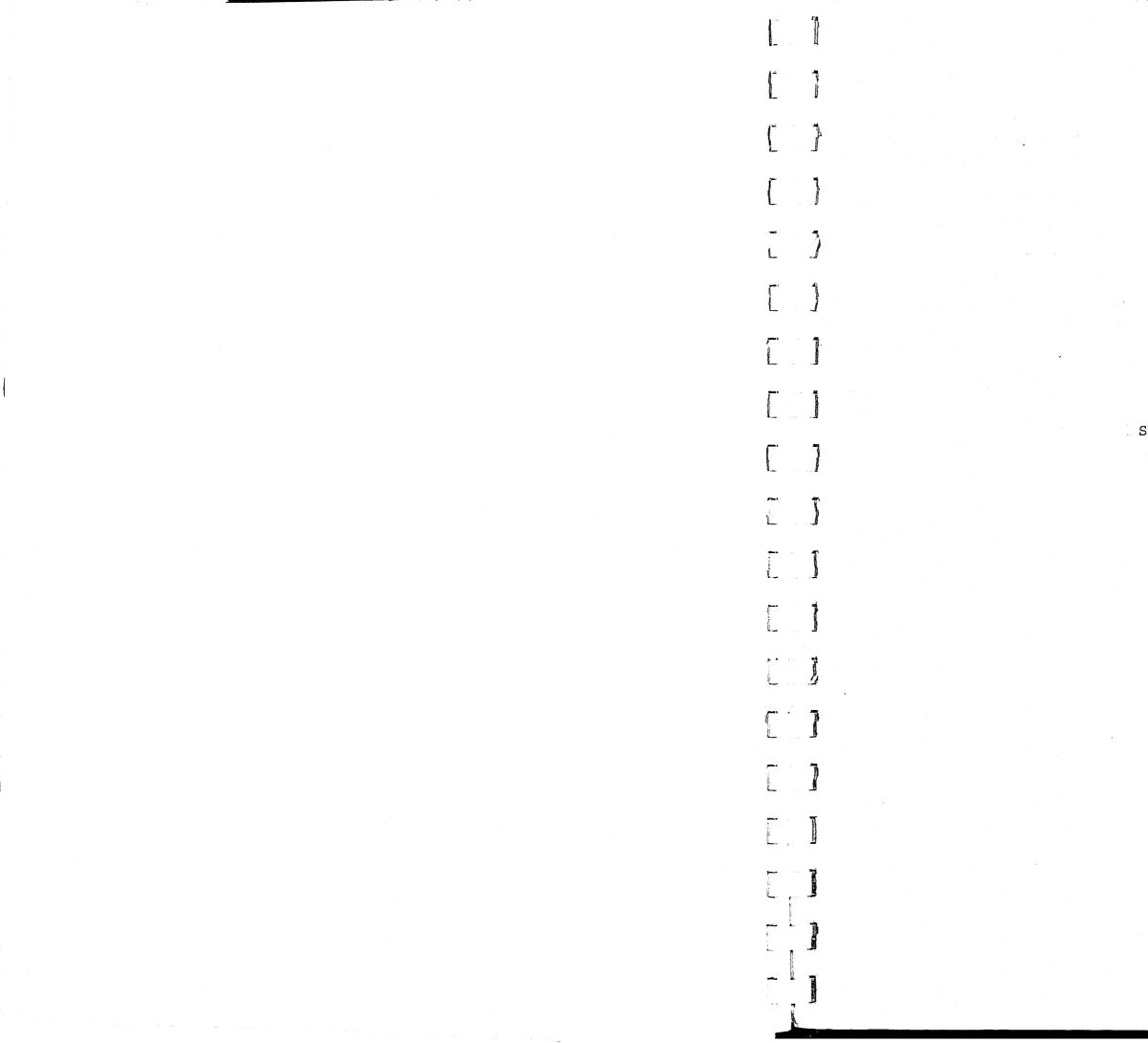
Lorraine Moore Philip Pipal William Popp Alan Razak



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Facility problems of the Superior Court in Bristol County and the Bristol County . . 1 TABLE I: Listing and characteristics of all courtrooms in Bristol County V STUDIES OF THE SUPERIOR AND PROBATE COURT FACILITIES NEW BEDFORD: The Superior and Probate Courts. . . A 1 FALL RIVER: The Superior and Probate Courts . . . B 1 TAUNTON: The Probate Court. D 1 STUDY OF THE BRISTOL COUNTY JUVENILE COURT FACILITIES. . E 1 STUDIES OF THE BRISTOL COUNTY DISTRICT COURT FACILITIES ATTLEBORO: The Fourth District Court of Bristol . . F 1 FALL RIVER: The Second District Court of Bristol. . G 1 NEW BEDFORD : The Third District Court of Bristol . H 1 TAUNTON: The First District Court of Bristol. . . I 1

An annotated bibliography: acoustics, color,



SPECIAL REMARKS

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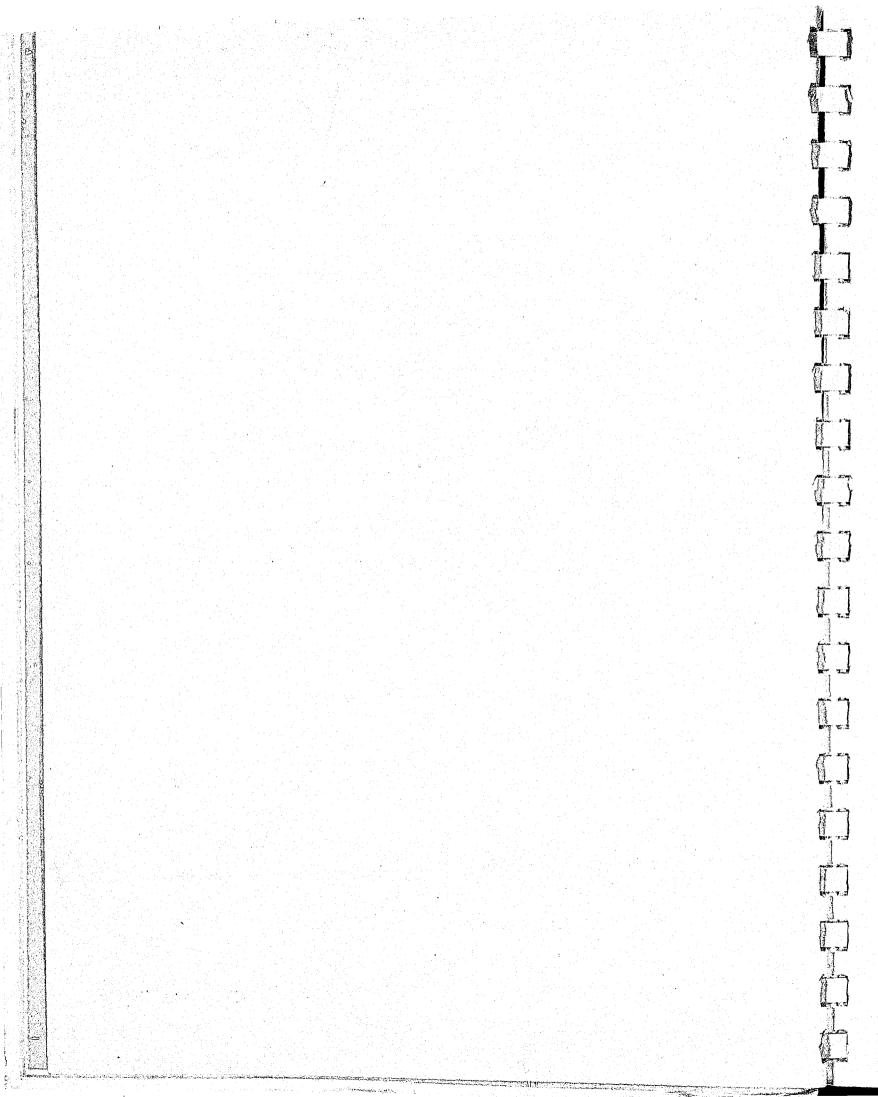
FACILITY PROBLEMS OF THE SUPERIOR COURT IN BRISTOL COUNTY AND THE BRISTOL COUNTY PROBATE COURT

Contraction .

The principal problem with the Bristol County Probate and Superior Courthouses is the inefficiency caused by the triplication of facilities. Although each of them is more or less in adequate condition itself, all of them together are ill-suited for their purpose - the effective administration of justice in the Superior and Probate Courts. In none of the courthouses except New Bedford has an adequate room been provided for more than one jury session although other smaller rooms are of necessity but inconveniently used. In New Bedford the new second large courtroom is used primarily by the Probate Court. The original courthouses were designed and built $\frac{2}{2}$ for one jury session.

For a very interesting discussion of the space allocations created by the building of the second courtroom in New Bedford, see <u>County Commissioners of Bristol County v.</u> <u>The Judges of Probate of Bristol County</u>, 338 Mass. 738 (1958). This is the so called "Considine Case" and discusses what has come to be called in New Bedford the "Considine Courtroom" after the now retired second Judge of Probate of Bristol County for whom it was built. We note that much of the furniture in the lobby of that courtroom still belongs to the retired Judge Considine even though he no longer sits. We note further that in the view of Judge Ponte much of it is unusable, decrepit and otherwise inadequate.

i

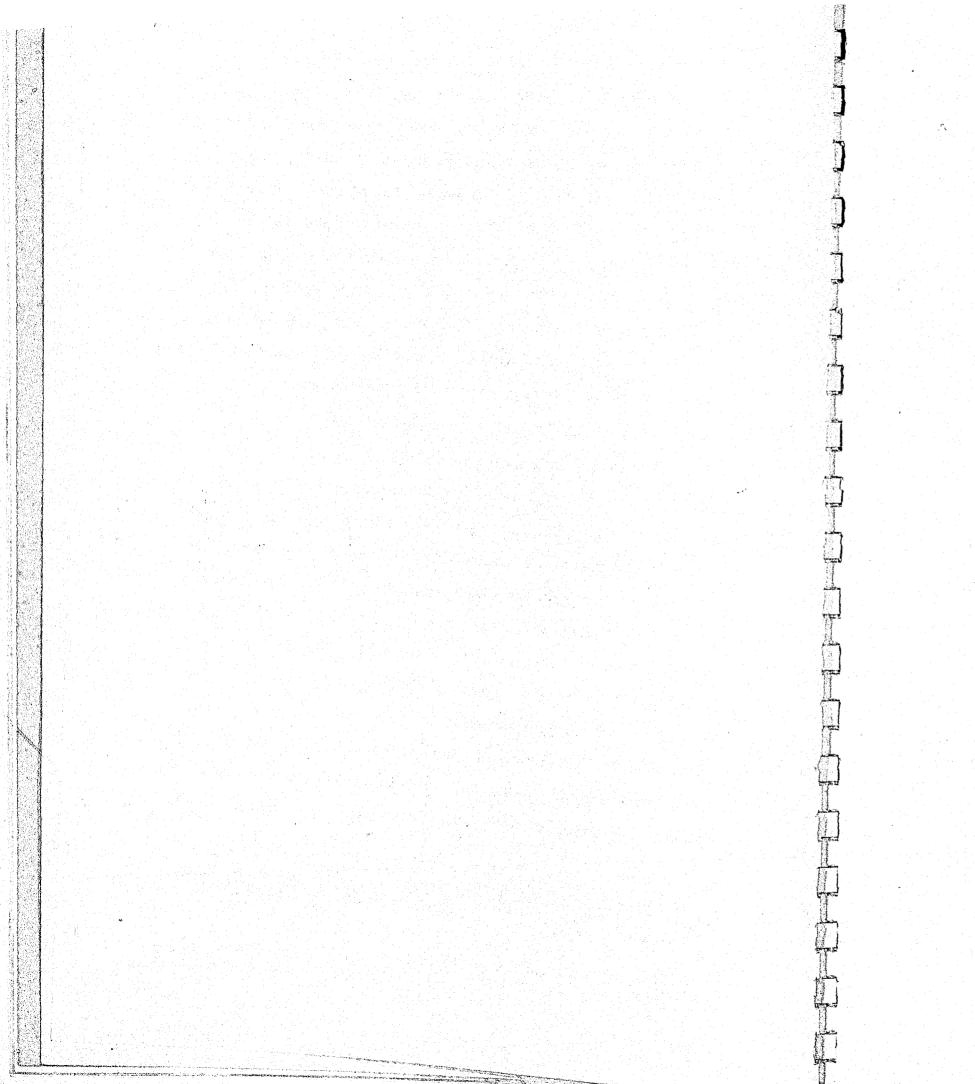


The demands of modern litigation and efficient case movement by courts demand, at the least, two jury sessions. One session can be tied up too easily by a jury trial which stops all other business. For example, it has long been well known, although only recently acknowledged, that one of the chief causes for delay in criminal cases is the defense attorneys' desire for delay, particularly on behalf of defendants who are out on bail (or, more usually, in Massachusetts, personal recognizance). For such defendants there is no reason to face "judgment day". The Bristol County Courthouses are perfect forums for such tactics.

However, the worst problem in the Bristol County Courthouses is duplication or triplication of the use of space. For example, the Clerk has space in each court house, the District Attorney has space in each court house, the County Treasurer (whose purpose in each court house is only to pay jurors and witnesses) has space in each court house and the Sheriff has space in each court house. Even though some of these spaces are encroached upon and used temporarily by the permanent personnel there, the occupancy of the permanent personnel is at sufferance, in space not designed for them, and in space which cannot be altered to meet the needs of their duties. Furthermore, there are three separate janitorial staffs, one for each court house.

See Justice is the Crime, Pretrial Delay in Criminal Cases, Lewis R. Katz, Case Western Reserve University Press, Cleveland and London, 1972.

In New Bedford, the State Police detectives for the District Attorney's office occupy two large offices in the old courthouse.



Hardest to justify is the triplication of Law Libraries. Each of the three Superior Court locations has its own library and librarian. For the essential library materials, each library duplicates the others. Each has different characteristics but none justifies their separation.

For example, the library in New Bedford is charming, but small and heavily concerned with historical materials, according to Superior Court Judge Ponte,while the library in Fall River looks like a warehouse and lacks privacy although it is generally conceded to be the most complete of the three. Superior Court Judge McGuire uses the Fall River library as his working lobby; but neither he nor his papers are separated from other library users. He has no locked files and cannot leave any court or working papers there overnight.

There is no need for three law libraries today. Even though the "law business" in Massachusetts is "off" for a number of reasons, most attorneys who are in Eristol County could easily go to one central library as they do in other counties in Massachusetts. During our visit to each of these courts (which was in the summer, albeit a "slow time" in the "law business") we noticed that the libraries were empty or at most used by only one or two lawyers (and one judge) for limited periods of time or as conference space.

iii

Regarding record storage there is no triplication. However, because there are multiple facilities the records for both courts must be taken from their central storage in Taunton by private car to each facility when the court is in session in order for the court to function. Sometimes some papers are left behind. Others are lost or misplaced during this transit.

Because New Bedford is a comparatively small city and Bristol County a comparatively small county with few lawyers specializing in any one area of the law, the disadvantages to any of the courts of having to track down lawyers at one of the three Superior Courts, or one of four Probate Courts, or one of the four locations of the Juvenile Court, or at the New Bedford Public Library, or in adjacent counties, or even nearby Rhode Island (where many Bristol County lawyers also practice), should be apparent.

Included in this report are our studies of the four District Courts in Bristol County and the facilities of the Bristol County Juvenile Court. These are included to give a complete description and analysis of facilities for all courts in the County.

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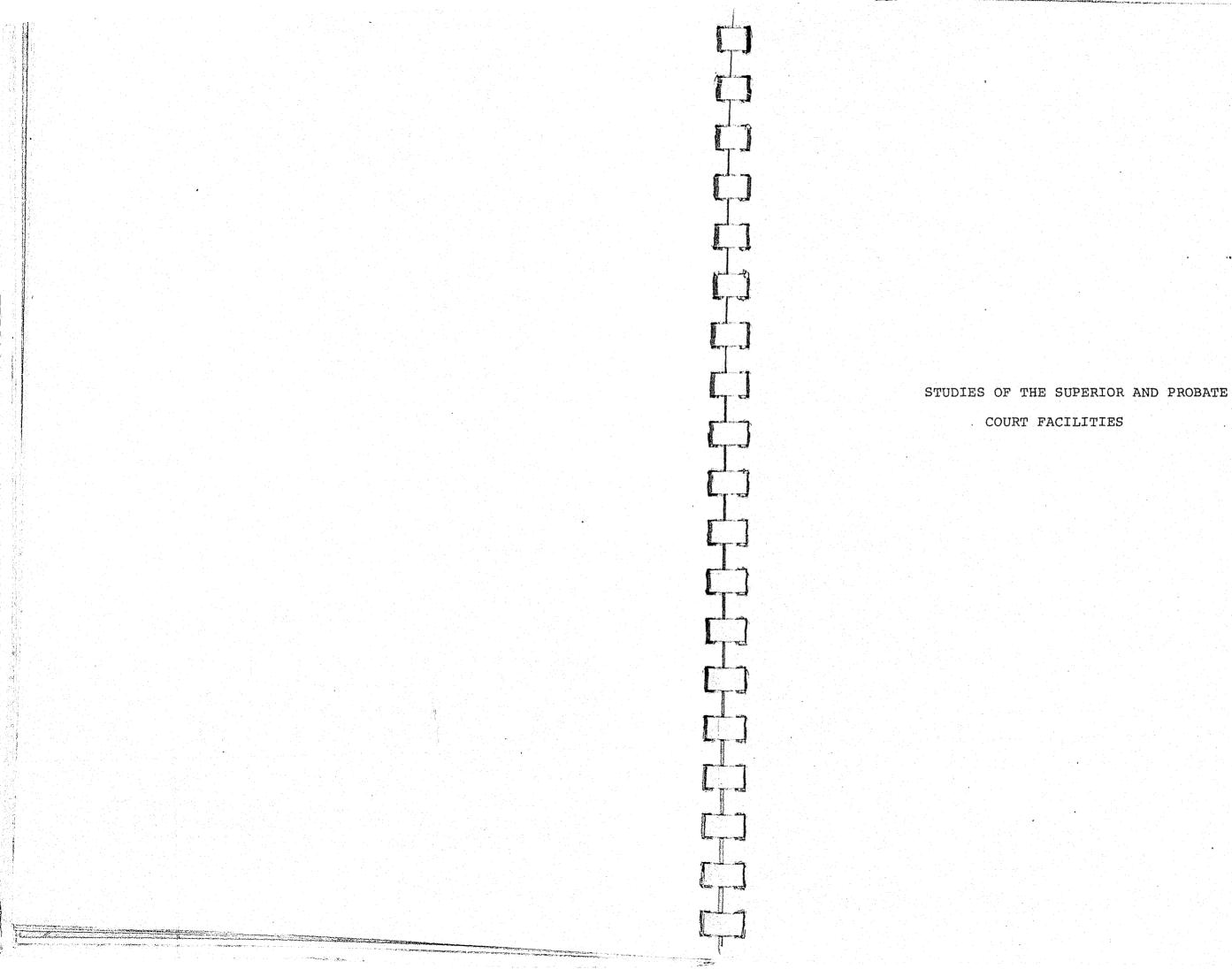
The District Courts in Bristol County do not have jury deliberation rooms.
 However, space now used for conference and other functions might be used for jury deliberations, if needed.

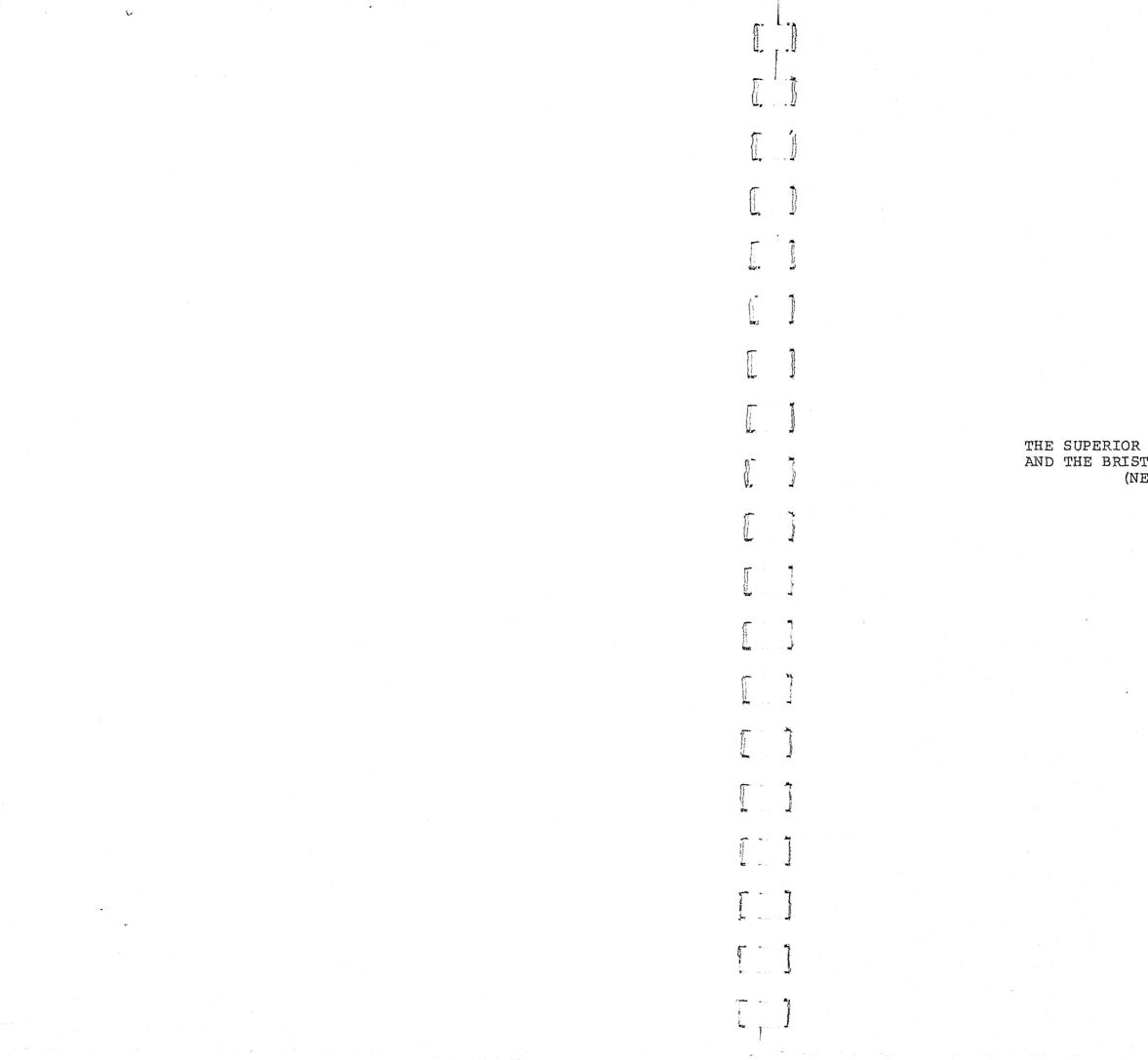
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THE SUPERIOR COURT IN BRISTOL COUNTY AND THE BRISTOL COUNTY PROBATE COURT (NEW BEDFORD)

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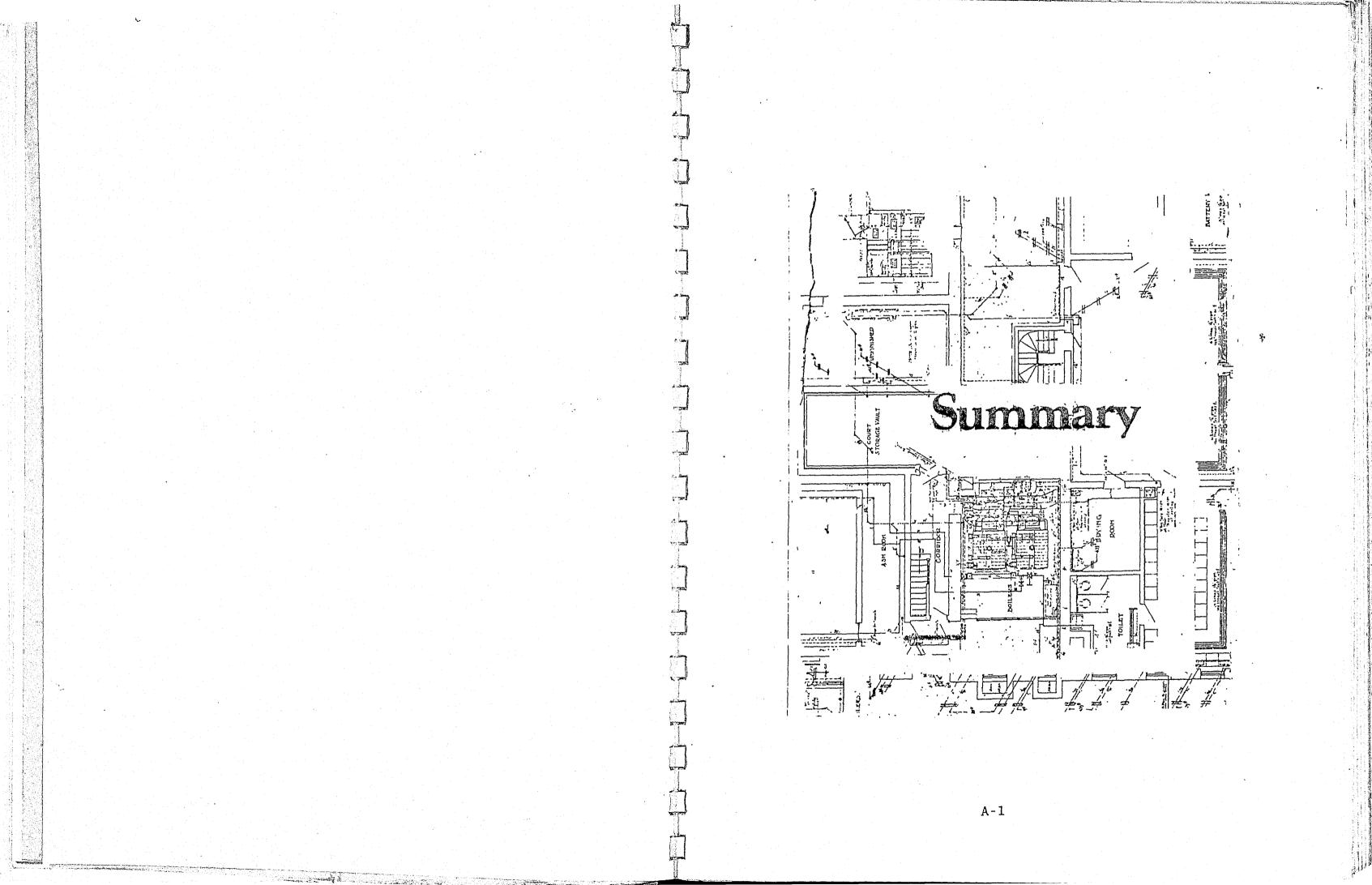
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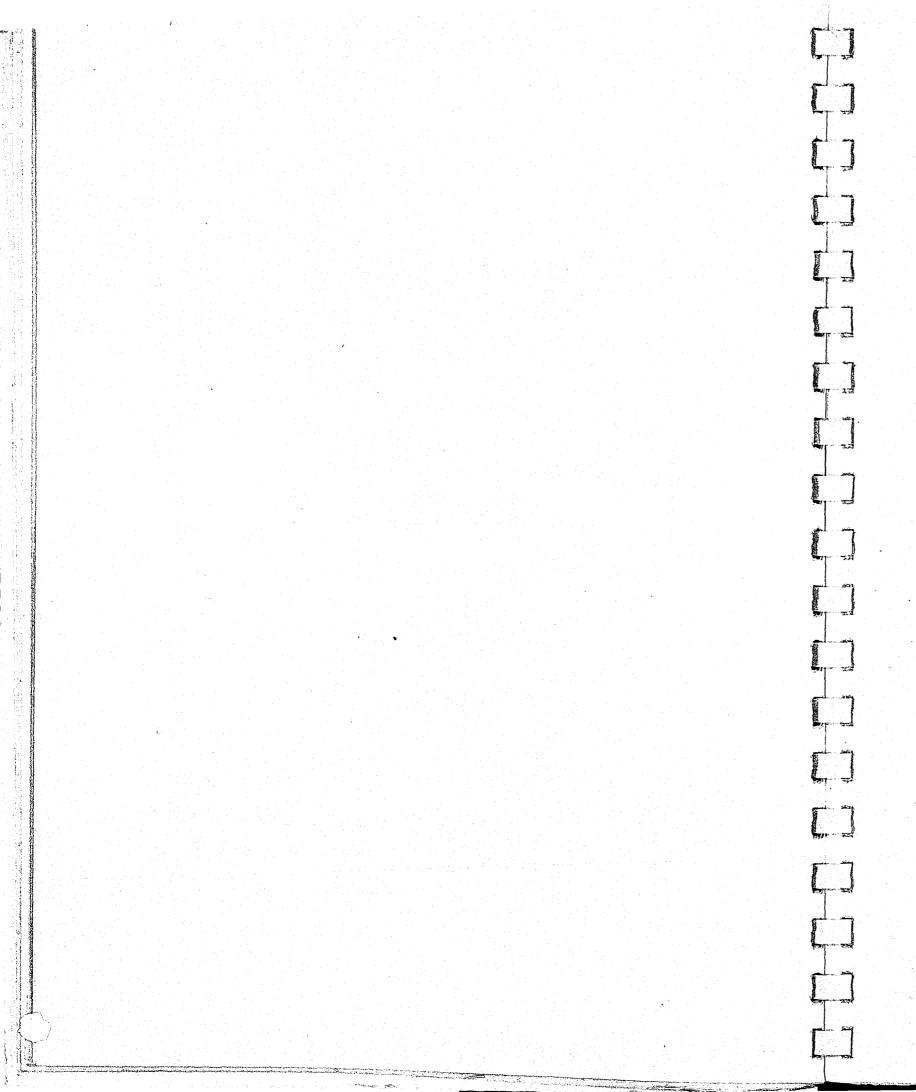
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The Superior Court sits in three locations in Bristol County: Taunton, Fall River and New Bedford. In New Bedford the Superior Court shares a two-story red brick structure with the Probate Court. The building was originally constructed in 1830 with additions made in 1900 and again in 1953. The Probate Court in New Bedford sits in the 1953 addition to the Superior Court building. The Probate Court sits in three other locations in Bristol County: Taunton, Fall River and Attleboro.

The structure, although quite old, is apparently sound and the building systems are generally adequate, although there is some inadequacy in electrical capacity. The building was being repainted at the time of our survey. This improvement should at least make the building look . better although it is only a cosmetic improvement. The lighting levels in the building are generally substandard, with the exception of the new Superior Court Judge's lobby in the old building and the District Attorney's secretarial area in the new building. The Judge's lobby in the old building, although completed over a year ago, was not furnished at the time of our visit (21 August 1974) except for a desk and two chairs.

Interview with Mr. Lionell Soussa, Head Custodian, New Bedford Superior Court

ARCHITECTURE

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<u>Description</u> The New Bedford Superior and Probate Courts are housed in a colonial red brick building, originally constructed in 1830. In 1900 and 1953, additions were made to the side and rear of the building. The 1953 addition includes a second courtroom and houses the Probate Court and an office for the District Attorney. The old building is styled in Greek revival style, which was popular in the 1830's. The red brick is contrasted by four white woodem columns, which support a white pediment. Capping the structure is a gable roof with a white cupola and a weathervane. <u>Distinguishing Architectural Characteristics</u> The basement of the addition is a designated fallout shelter.

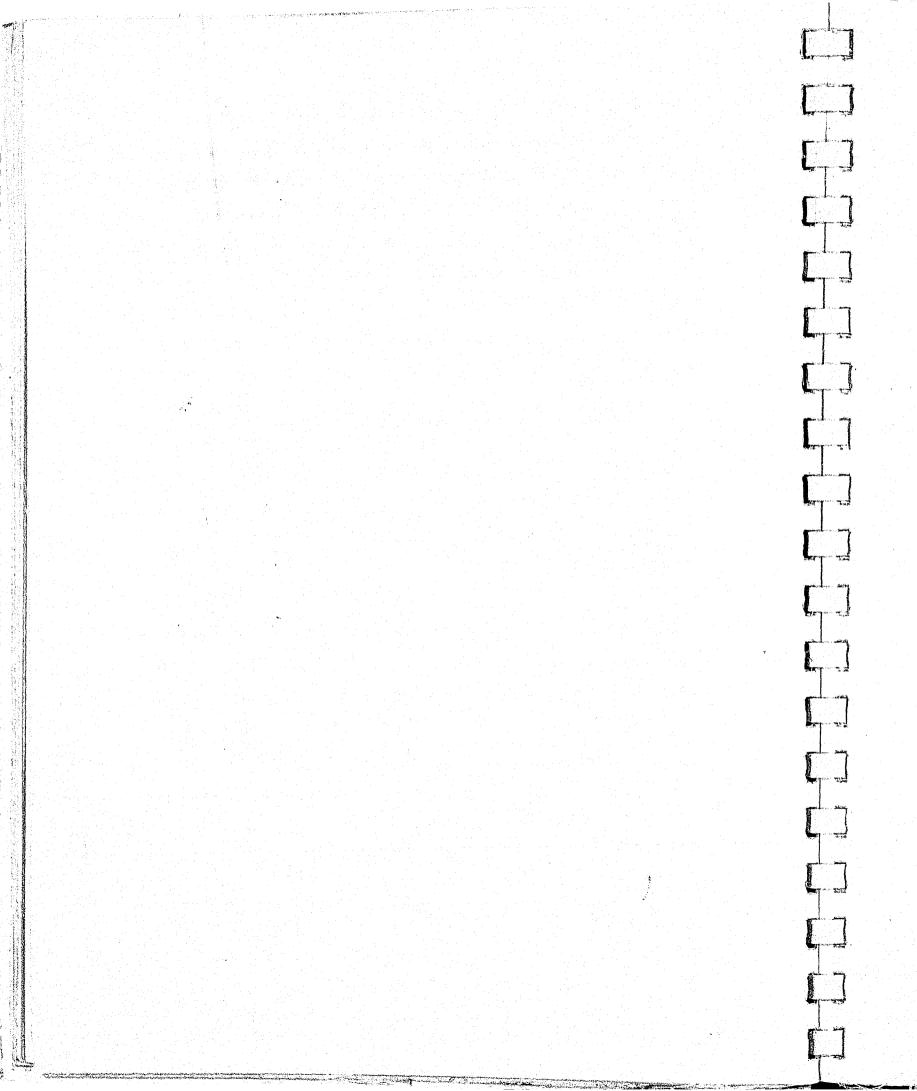
COMMUNITY SERVED, NEIGHBORHOOD, TRANSPORTATION <u>Population</u> The Superior and Probate Courts in New Bedford serve all communities in Bristol County, the population of which is 444,301 (U.S. 1970 census). <u>Neighborhood</u> The courthouse is located in an urban municipal area of New Bedford. Adjacent to the court are a high school and the Masonic Temple. <u>Public Transportation</u> Local bus lines serve the court, with a bus stop four blocks away. There is no intercity bus service at the present time. <u>Parking</u> There are 24 parking spaces designated for court personnel; two spaces are reserved. There are no provisions for public parking.

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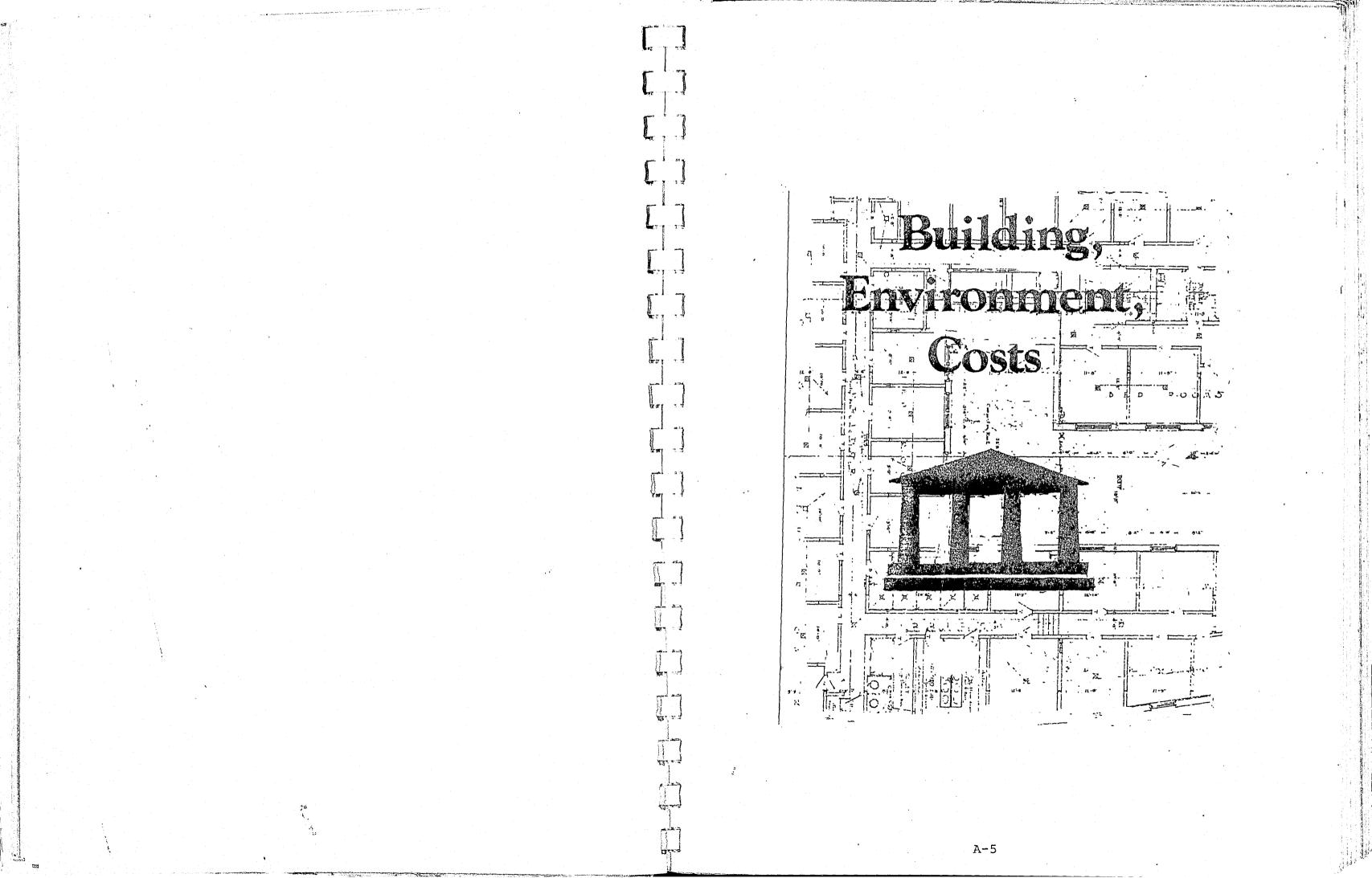
The acoustics in many offices and other rooms are unacceptable due to excessive noise levels. Some readings, however, were affected by noise from outside construction equipment on the street outside the court. Otherwise, attempting to discount the construction noise, the courtroom acoustics seemed to be acceptable. However, in our interview with Judge Ponte, who sits in New Bedford often, he noted that it is difficult for him to hear and to be heard clearly in the courtrooms.

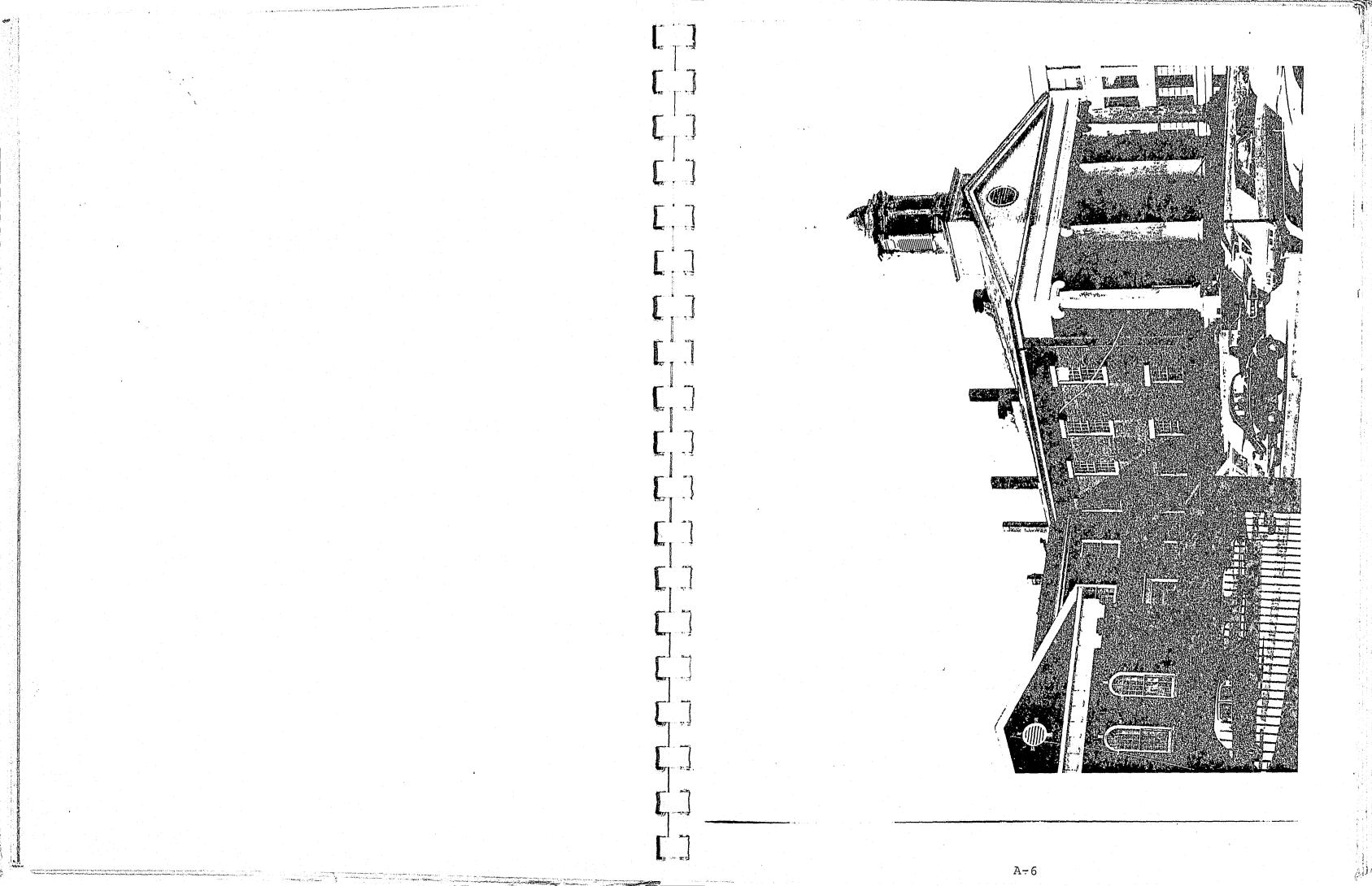
Two other deficiencies of importance were noted: there is inadequate public parking; and there are not enough rooms in the court for lawyer conferences or private conversations. In New Bedford since 1953 the only alteration to the facilities provided for the Superior Court has been a new lobby for the Superior Court judge across from the main courtroom. This lobby is not even a working lobby. Even though it was built over a year ago most of the furniture for it has not been delivered and there are no books in it. Moreover, it is separated from the courtroom by the main public corridor into the courtroom so there is no security for the judge in going to and from the courtroom.

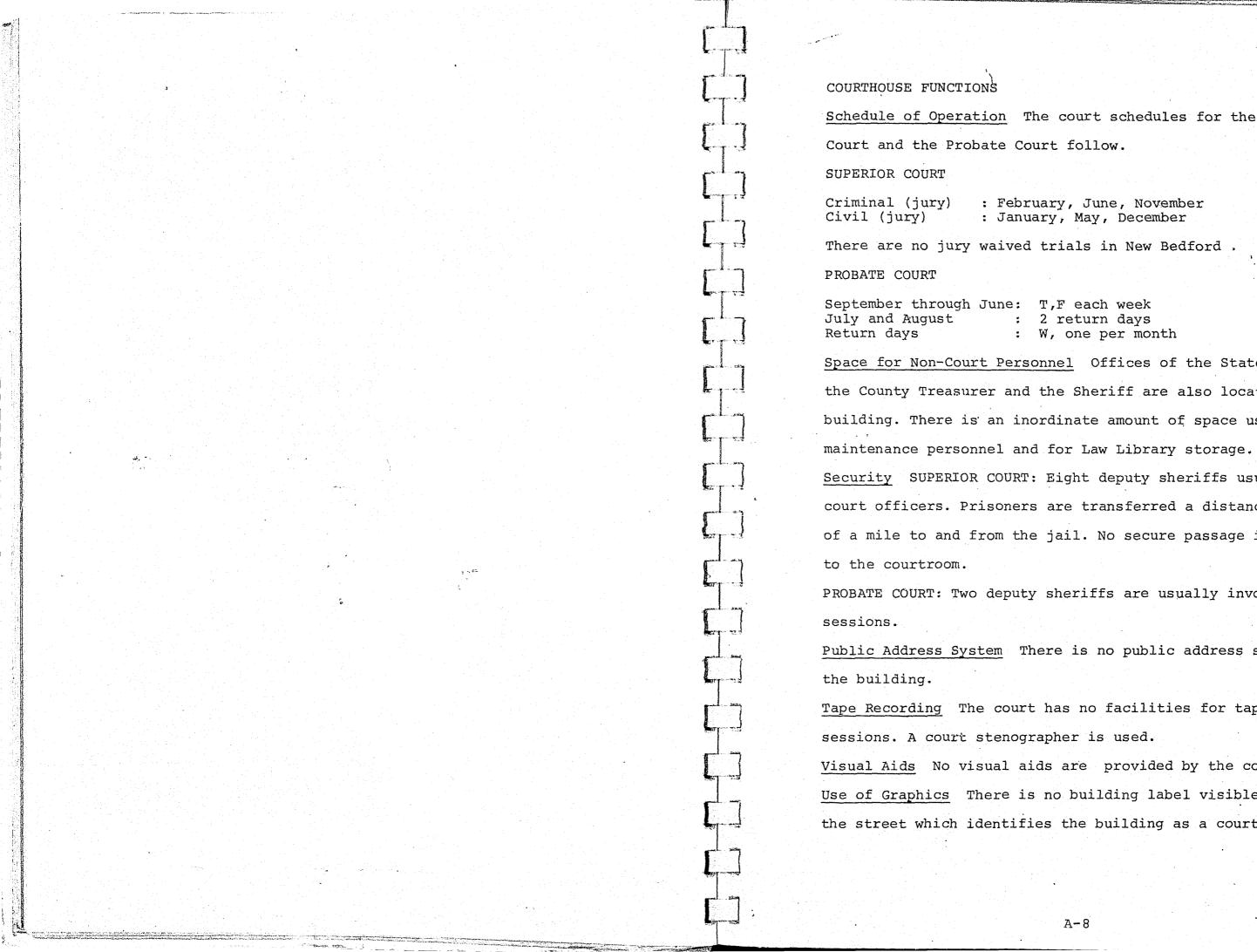
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Also in New Bedford there are no specific hearing rooms for masters or auditors. They use any space available. During our visit an auditor was conferring in the hall with the attorneys for two parties. The Industrial Accident Board, which in other counties uses court facilities, has long since abandoned the New Eedford Courthouse and meets in a reading room in the Public Library.







Schedule of Operation The court schedules for the Superior

: February, June, November : January, May, December

: 2 return days : W, one per month

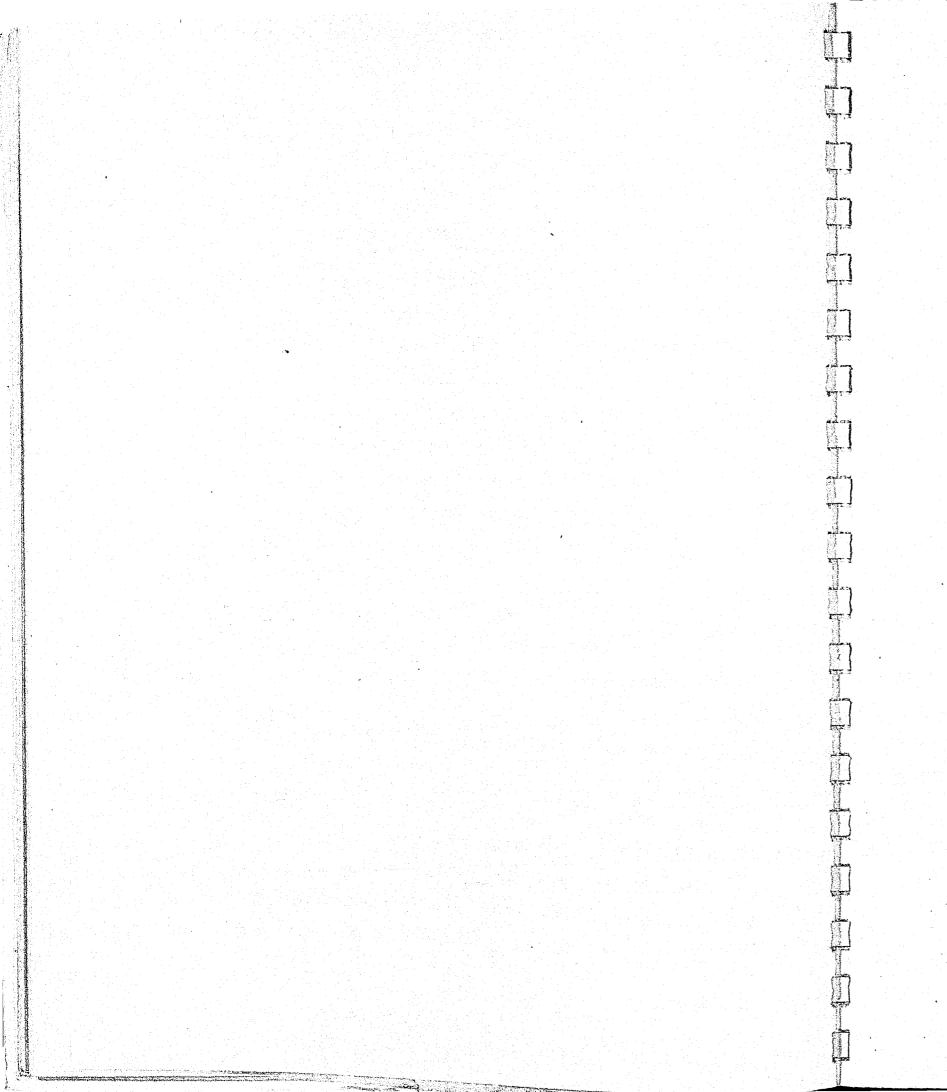
Space for Non-Court Personnel Offices of the State Police, the County Treasurer and the Sheriff are also located in the building. There is an inordinate amount of space used by Security SUPERIOR COURT: Eight deputy sheriffs usually serve as court officers. Prisoners are transferred a distance of 1/10 of a mile to and from the jail. No secure passage is available

PROBATE COURT: Two deputy sheriffs are usually involved in all

Public Address System There is no public address system in

Tape Recording The court has no facilities for tape recording

Visual Aids No visual aids are provided by the court. Use of Graphics There is no building label visible from the street which identifies the building as a courthouse.



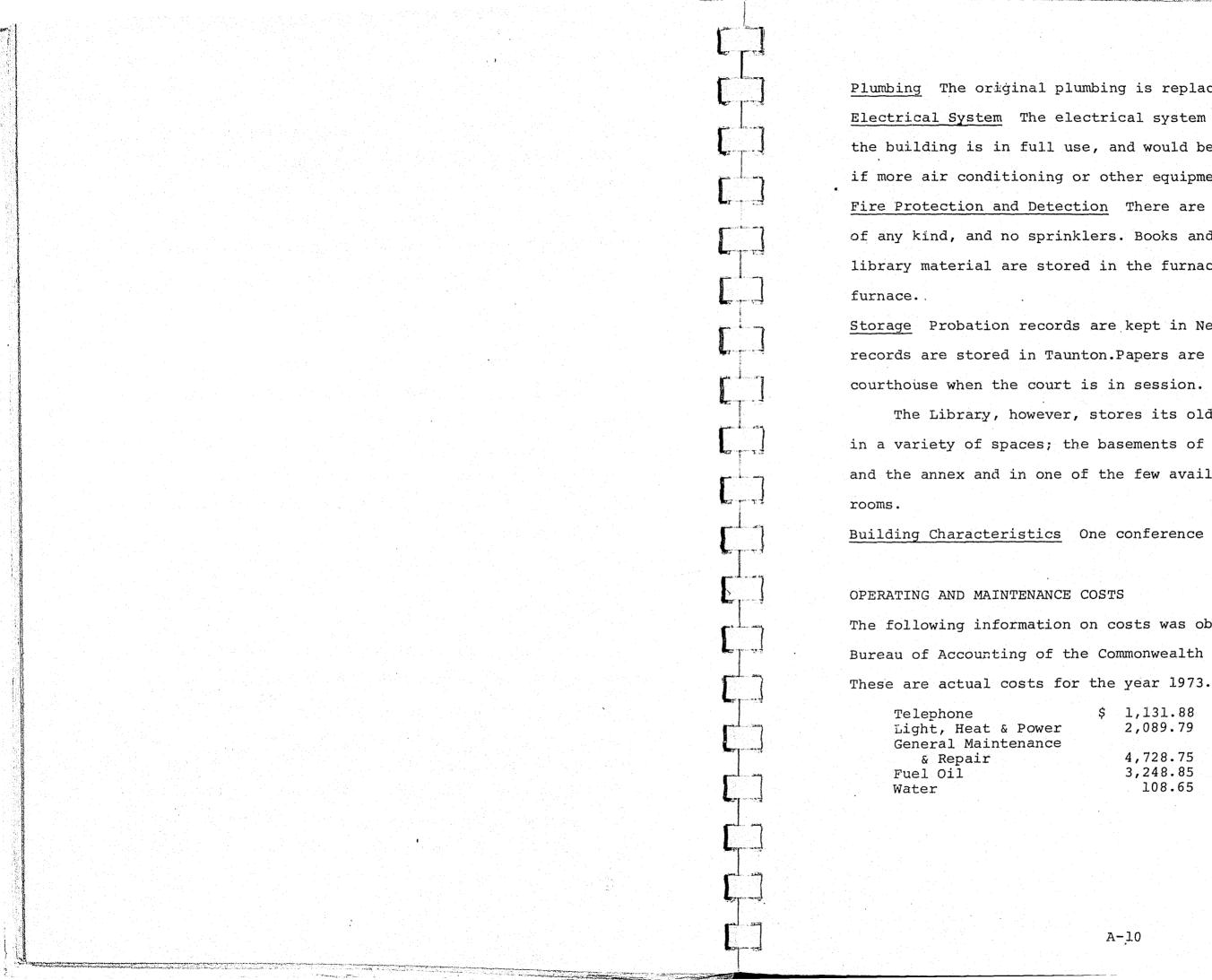
There is no building directory inside the building; many rooms are either mislabeled or lack labels. Those labels that do exist are painted on the window glass of the door. <u>Rest Rooms</u> There are rest rooms on the first floor for the public, but none on the seocnd. There are staff facilities in the judge's lobbies and in some office areas.

STRUCTURE

Qualitative comments included in this section, except where noted otherwise, were obtained from Mr. Lionell Soussa, Head Custodian. <u>Structural System</u> The structure of the old section of the building is composed of a granite pier foundation, masonry bearing walls, and wood floor framing. The second floor is supplemented by brick vaulting. The new section of the building is of reinforced concrete and brick veneer. The structure of both is adequate and in good condition.

<u>Air Conditioning</u> Air conditioning is provided by window units in some areas (the judge's lobby, the Clerk's area, the Sheriff's and District Attorney's offices); however, there is no central air conditioning system. <u>Heating</u> Heating is provided by an oil burning, hot water radiant system, now operational and in good condition. A new furnace was installed three years ago. There are individual temperature controls for the old building, the jury rooms and the Probate Court.

. A-9



Plumbing The original plumbing is replaced as leaks occur. Electrical System The electrical system is inadequate when the building is in full use, and would be even less adequate if more air conditioning or other equipment were added. Fire Protection and Detection There are no detection devices of any kind, and no sprinklers. Books and other combustible library material are stored in the furnace room, close to the

Storage Probation records are kept in New Bedford; the court records are stored in Taunton.Papers are brought to this

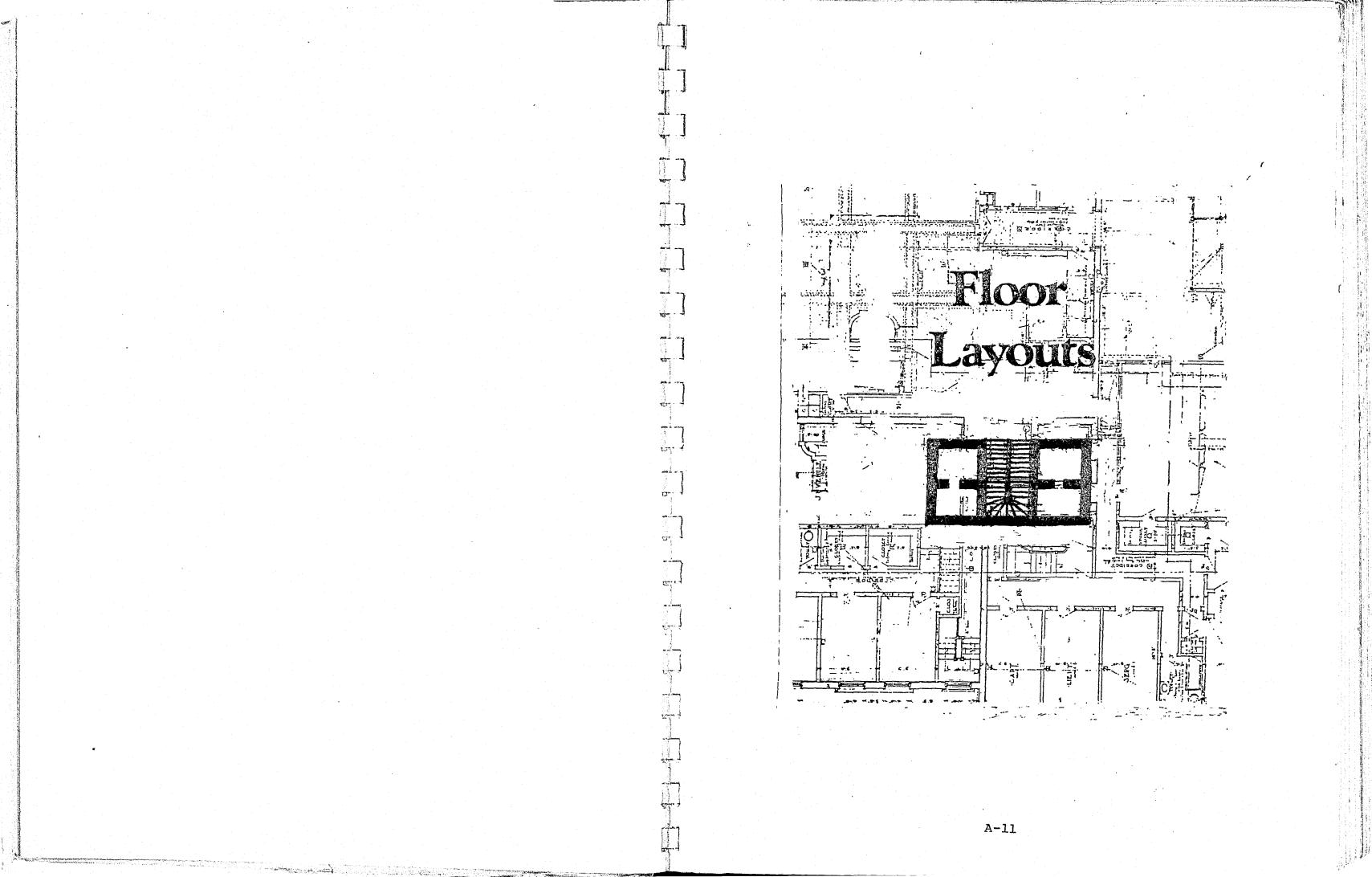
The Library, however, stores its old and unused books in a variety of spaces; the basements of the old building and the annex and in one of the few available conference

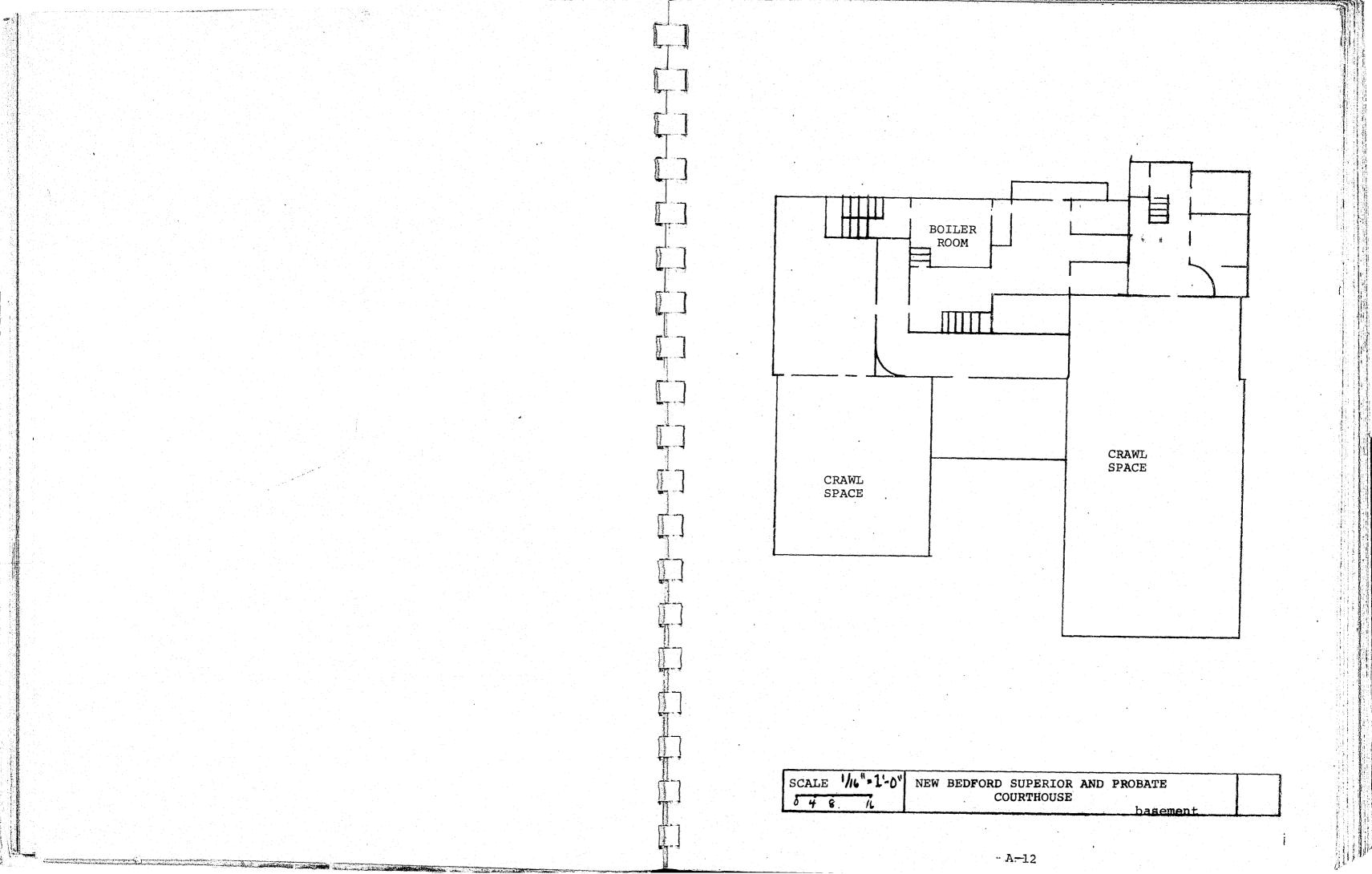
Building Characteristics One conference room is provided.

The following information on costs was obtained from the Bureau of Accounting of the Commonwealth of Massachusetts.

> \$ 1,131.88 2,089.79 4,728.75 3,248.85 108.65

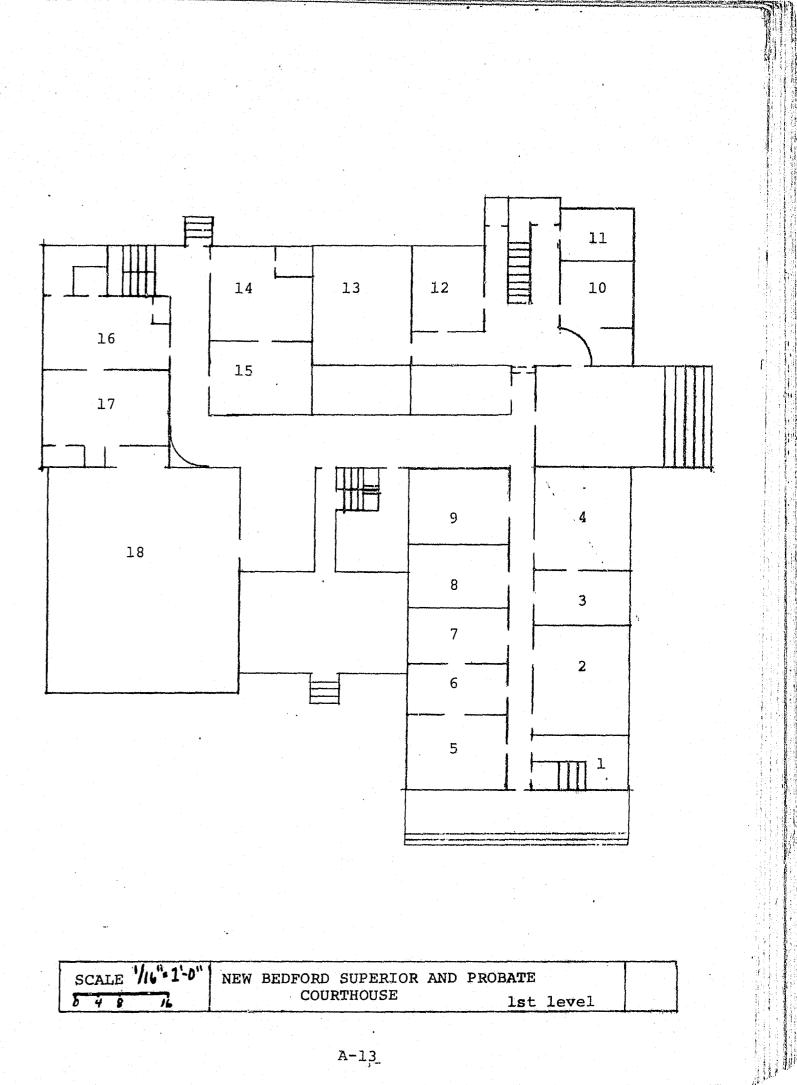
A-10





KEY : FIRST LEVEL

1. Janitors' Room 2. State Police State Police
 Janitors' Room
 County Treasurer
 Superior Probate Officer (Secretary)
 Probation Office #1
 Probation Office #2
 Library and Conference
 Supply Room 9. Supply Room 10.Sheriff (Secretary) 11.Sheriff's Office 11.Sner111'S Office 12.Lawyer's Lobby 13.Grand Jury and Hearing Room 14.District Attorney (Secretary) 15.District Attorney's Office 16.Probate Court Probation Officer 17.Probate Judge's Lobby 18.Probate Courtroom

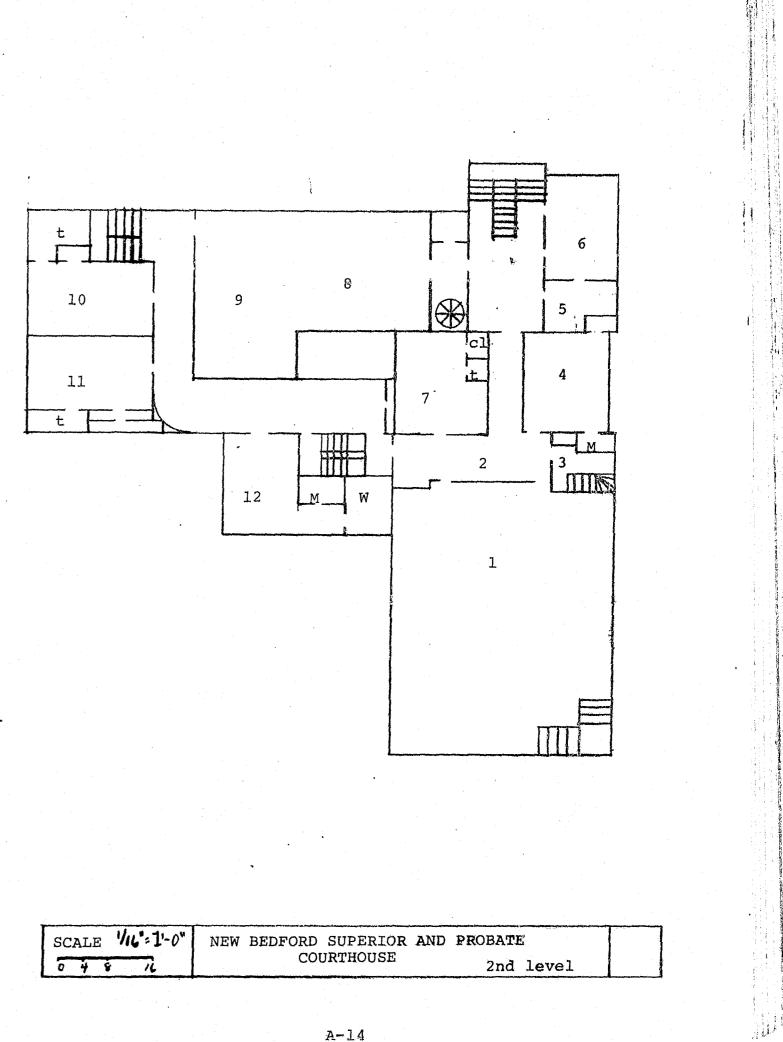


| | SCALE 1/16" 1'-0" | NEW | BED |
|---|-------------------|-----|-----|
| l | 548 16 | | |

KEY : SECOND LEVEL

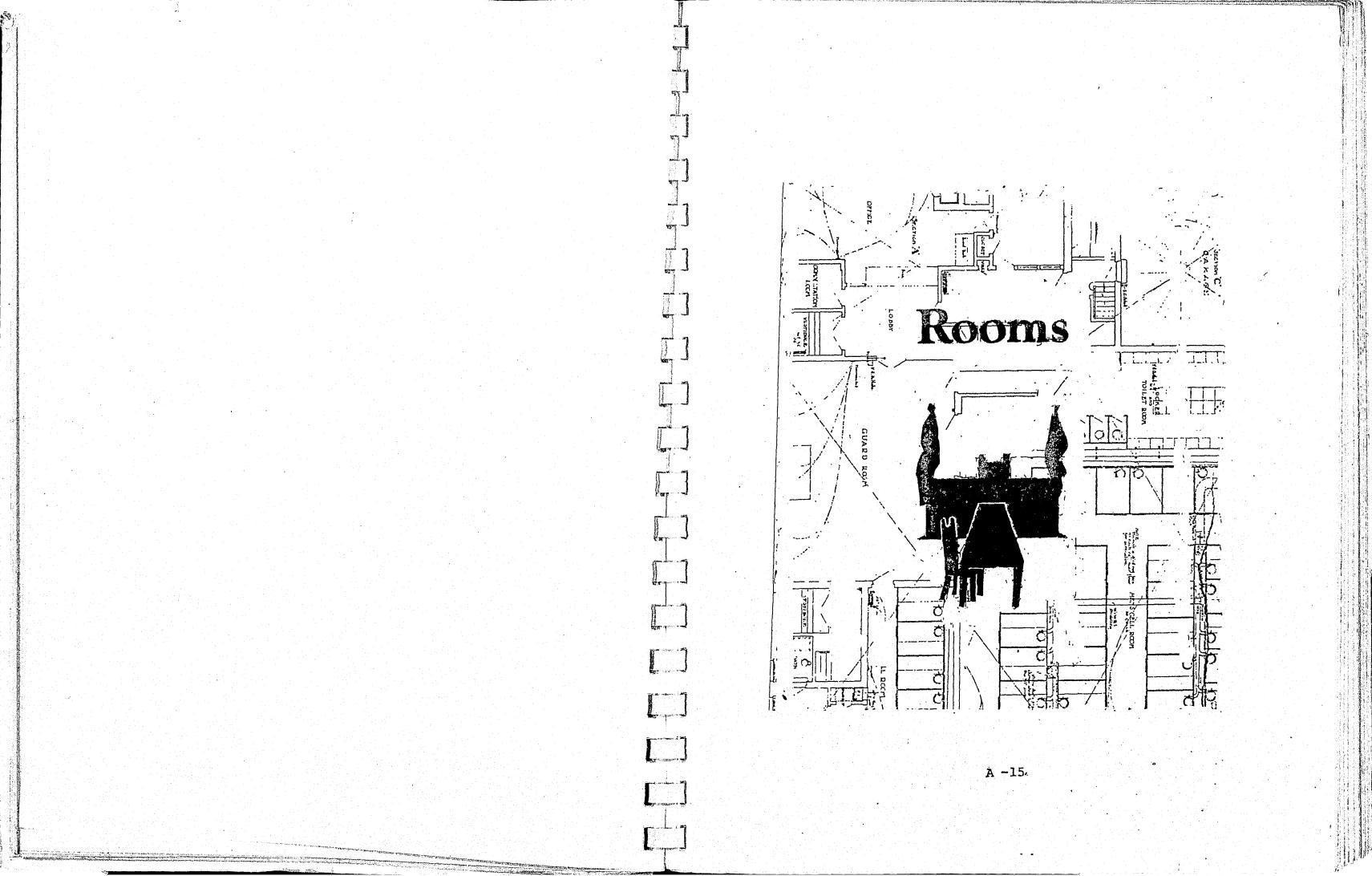
 Superior Courtroom
 Lobby 3. Public Defenders (presently Jurors) Public Defenders (presently
 Detention Area
 Clerk of Courts Office
 Clerk of Courts (Secretary)
 Judge's Lobby
 Law Library
 Law Library Annex
 Women Jurors
 Men Jurors
 Jury Deliberating Room

12.Jury Deliberating Room









Criteria

Courtrooms, offices, hearing rooms, sccretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page, (square footage, type of access, finish, acoustics, etc.)

Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage.

Other areas such as closets, restrooms, elevators and stairways are not surveyed at all.

Definitions

•

AREA Total floor area including work space, circulation space, and storage in square feet.

ACCESS The degree to which public entry into a room is restricted.

| Symbol | Explanation |
|--------|---|
| Рир | Public: Access is unrestricted to general public. |
| Prv | Private: Access is partially restricted by means of doors, counters, or graphics. |
| Sec | Secure: Access is restricted by guard, receptionist, or locked doors. |

NUMBER OF USERS The estimated seating capacity of a room for usors and spectators, based upon current furnishing.

FINISH Materials (Mat):

Frejixee Coles

Poor

A-16

| BT - Asbestos | m 1 7 | | | | |
|---|---|---|---|--|---|
| P - Acoustic T - Acoustic - Brick C - Bookcase - Carpet | Plaster Tile | CRT - CT - G - M - P - | Glass Metal Plaster | SA - T - V - W - | Stone Sound Absorbing Terrazzo Vinyl Wood Wood |
| | | | | | Paneling |
| | T - Acoustic - Brick C - Bookcase - Carpet | <pre>T - Acoustic Tile - Brick C - Bookcase - Carpet B - Concrete Block din):</pre> | T - Acoustic Tile CT - - Brick G - C - Bookcase M - - Carpet P - B - Concrete Block PR - din): | T - Acoustic Tile CT - Concrete - Brick G - Glass C - Bookcase M - Metal - Carpet P - Plaster B - Concrete Block PR - Paper dtn): | T - Acoustic Tile CT - Concrete - Brick G - Glass T - C - Bookcase M - Metal V - - Carpet P - Plaster W - B - Concrete Block PR - Paper WP - dtn): |

Condition of surface shows no sign of damage. Continued Good preventive maintenance is sufficient to maintain this condition.

Fair Condition of surface indicates some damage. Small scals repairs and corrective maintenance are necessary to retard deterioration of condition.

Condition of surface indicates severe damage. Large complete loss of the finish.

Bright and Cheerful 3 2 Parcent (X) of Windows: The approximate percentage of the total wall area of the room which is composed of glass. Height: The floor to ceiling height. ACOUSTICS The acceptability of the acoustics of each room is based upon measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter echo and reverberation time). Rating Explanation Acceptable: Noise level and reverberation time are Acc within standards for each room function; flutter echo is absent or slight. Un N Unacceptable: Noise level exceeds standard or interferes with room function. Un R Unacceptable: Noticeable flutter echo or excessive reverberation time. Unacceptable: Both Un N and Un R Un NR LIGHTING Type: Refers to type of light fixtures in the room. I - Incandescent F - Fluorescent I/F - Combination incandescent/ fluorescent Level: Ratings of the acceptability of light in the room are based upon comparisons between the measured light levels (in footcandles) and the accepted standards of light requirements for the functions performed in the room.* Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Light levels for some functions are standard; others are substandard. Fair Light levels for all functions are substandard. Poor AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. Symbol Explanation N No air conditioning present. C Central air conditioning. ĸ Window air conditioning units. Room alz-conditioning units R (n).W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W.

Tone: A subjective evaluation of the color tone of the room based on the following rating scale;

Drab and Austere

* Refer to technical information section for further explanation

| | | | | | | | | FINI | SH | | · | | | | · · · | |
|------------------------------|----------------|-------------|------------|------------|--------|------|--------------|------|--------|------------------------|--------|-----|----------------|---------|--------|--------|
| | AREA . (sq. | 1 | # of | | WALL | S | | FI | OORS | | CEILIN | GS | | LIG | HTING | |
| ROOM | | ACC- ESS | US- ERS | Mat | Condtn | Tone | % of Wind | Mat | Condtn | Mat | Condtn | Ht | ACOU- STICS | Type | Level | AI |
| FIRST FLOOR | | | | | | | | | - | | | | | | | |
| Janitors' Room | 100 | PRV | 3 | pP/ pW | FAIR | 2 | 5 | C/W | FAIR | АТ | FAIR | .9' | ACC | I | POOR | N |
| State Police | 290 | PUB | 9 | pР | FAIR | 2 | 5 | v | POOR | рМ | POOR | 9' | UnN | · F' | | N |
| Janitors' Room | 145 | PUB | 2 | pP | FAIR | 2 | 5 | v | POOR | pP | POOR | 10' | UnN | I | | N |
| County Treasurer | ¥ 270 | PUB/ PRV | 3 | pP | FAIR | 2 | 5 | v | FAIR | Wq | FAIR | 10' | UnNR | ਸ | FAIR | NT |
| Sup. Probate Off. (sec'y) | 190 | PUB | 4 | pP | FAIR | 2 | 10 | С | POOR | | GOOD | 10' | UnN | F | | N. |
| P.O.#1 | 130 | PRV | 3 | pP | FAIR | 2 | 5 | v | GOOD | · pAT | | 9' | UnN | F | | N |
| P.O.#2 | 145 | SEC | 4 | BR | GOOD | 2 | 5 | gBR | GOOD | BR | GOOD | 8' | ACC | 1 | POOR . | N |
| Library & Conference | 160 | PRV | 7 | BC/ pBR | GOOD . | 2 | 5 | gBR | FAIR | pBR | GOOD | 8' | ACC | I | FAIR | N |
| Supply Room | 190 | SEC | | | | | | | | | | | | | | |
| Sheriff (sec'y) | 130 | PUB | 5 | pP | GOOD | 4 | 10' | C | GOOD | AT | FAIR | 13' | ACC | F | FAIR | lW |
| Sheriff's Office | 95 | SEC | 4 | pP | GOOD | •4 | 15 | С | GOOD | AT | GOOD | 13' | ACC | I | FAIR | N |
| Lawyer's Lobby | 170 | PUB | 5 | pP | GOOD | 2 | 10 | v | FAIR | pP | GOOD | 13' | UnN | F | POOR | N |
| Grand Jury & Hearing Room | 305 | PUB | 34 | -T.T. / | GOOD | | 15 | v | | pP | | 13' | UnN | | | N. |
| District Att. (sec'y) | 255 | PUB | 8 | p P | GOOD | 4 | 10 | v | GOOD | pP | GOOD | 10' | ACC | F | GOOD | IW |
| D.A. Office | 205 | SEC | 6 | , p中, | GOOD | 4 | 5 · | v | GOOD | $\mathbf{p}\mathbf{P}$ | GOOD | 10' | UnN | F | FAIR | IW |
| Prob.Ct. ProbationOff | 240 | PUB | 7 | pP | GOOD | 3 | 10 | v | GOOD | pP | GOOD | 10' | UnN | I | POOR | I N |

| Criteria | . Tone: A subjective evaluation of the color tone of the room based on the following rating scale: |
|---|--|
| Courtrooms, offices, hearing rooms, secretarial areas, conference. rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page. (square footage, type of access, finish, acoustics, etc.) | Eright and Cheerful Drab and Austrate 5 4 3 7 1 Percent (I) of Windows: The approximate percentage of the total wall area of the room which is considered of glaps. |
| Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage. | Height: The floor to ceiling height. |
| Other areas such as closets, restrooms, elevators and stairways are not surveyed at all. | ACOUSTICS The acceptability of the acoustics of each room is based under measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter acho and reverberation time). |
| Definitions | Rating Explanation |
| AREA Total floor area including work space, circulation space, and storage in square feet. | Acceptable: Noise Level and reverberation time are within standards for each room function; flutter echo is absent or slight. |
| ACCESS The degree to which public entry into a room is restricted. | Un N Unacceptable: Noise level exceeds standard or inter- fores with room function. |
| Symbol Explanation Pub Public: Access is unrestricted to general public. | Un R Unacceptable: Noticeable flutter echo or excessive reverberation time. |
| Prv Private: Access is partially restricted by means of | Un NR Unacceptable: Both Un N and Un R |
| doors, counters, or graphics. Sec Secure: Access is restricted by guard, receptionist, or locked doors. | LIGHTING <i>Type:</i> Rofers to type of light fixtures in the zoom. |
| NUMBER OF USERS The estimated seating capacity of a room for users and spectators, based upon current furnishing. | I - Incandescent Z/F - Combination incandescent/ F - Fluorescent fluorescent |
| FINISH <u>Materials (Mat)</u> : | Level: Ratings of the acceptability of light in the room are • based upon comparisons between the measured light levels (in footcandles) and the accepted standards of light requirements for the functions performed in the room.* |
| Prejized Coles p - painted ABT - Asbestos Tile CK - Cork § - Stone | Rating Explanation Good Light levels for all functions of the root second |
| g - glazed AP - Accustic Plaster CRT - Ceramic Tile SA - Sound t - textured AT - Accustic Tile CT - Concept Absorbing | cr equal accepted standards. Fair Light levels for gene functions are standard; |
| BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster M - Wood | others are substandard. Poor Light levels for all functions are substandard. |
| CB - Concrete Block PR - Paper WD - Wood Paneling Condition (Condta): | AIR CONDITIONING The symbols indicate the type of air conditioning, if present, is the room. |
| Rating Explanation | Symbol Explanation N No air conditioning present. |
| Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition. | C Central air conditioning units. |
| Fair Condition of surface indicates some damage. Small scale repairs and corrective maintenance are necessary | R Room air-conditioning units |
| to retard deterioration of condition. Poor Condition of surface indicates severe damage. Large scale corrective maintanance is pacessary to prevent | (n)W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W. |
| complete loss of the finish. | |
| * Refer to technical information section for further explanation | |
| | |
| | |
| Name land land land land land land land | anna theorem the second theorem theorem theorem theorem theorem the second the second the second the second the |
| | |
| | FINISH |
| AREA # of WALLS | FLOORS CEILINGS LIGHTING |
| ROOM (sq. ACC- US- ft.) ESS ERS MatCondtn T | LIGHTING DIGHTING |
| Probate Judge's Lobby 240 SEC 9 WP GOOD | 3 10 C GOOD pP GOOD 10' ACC I FAIR N |
| | |

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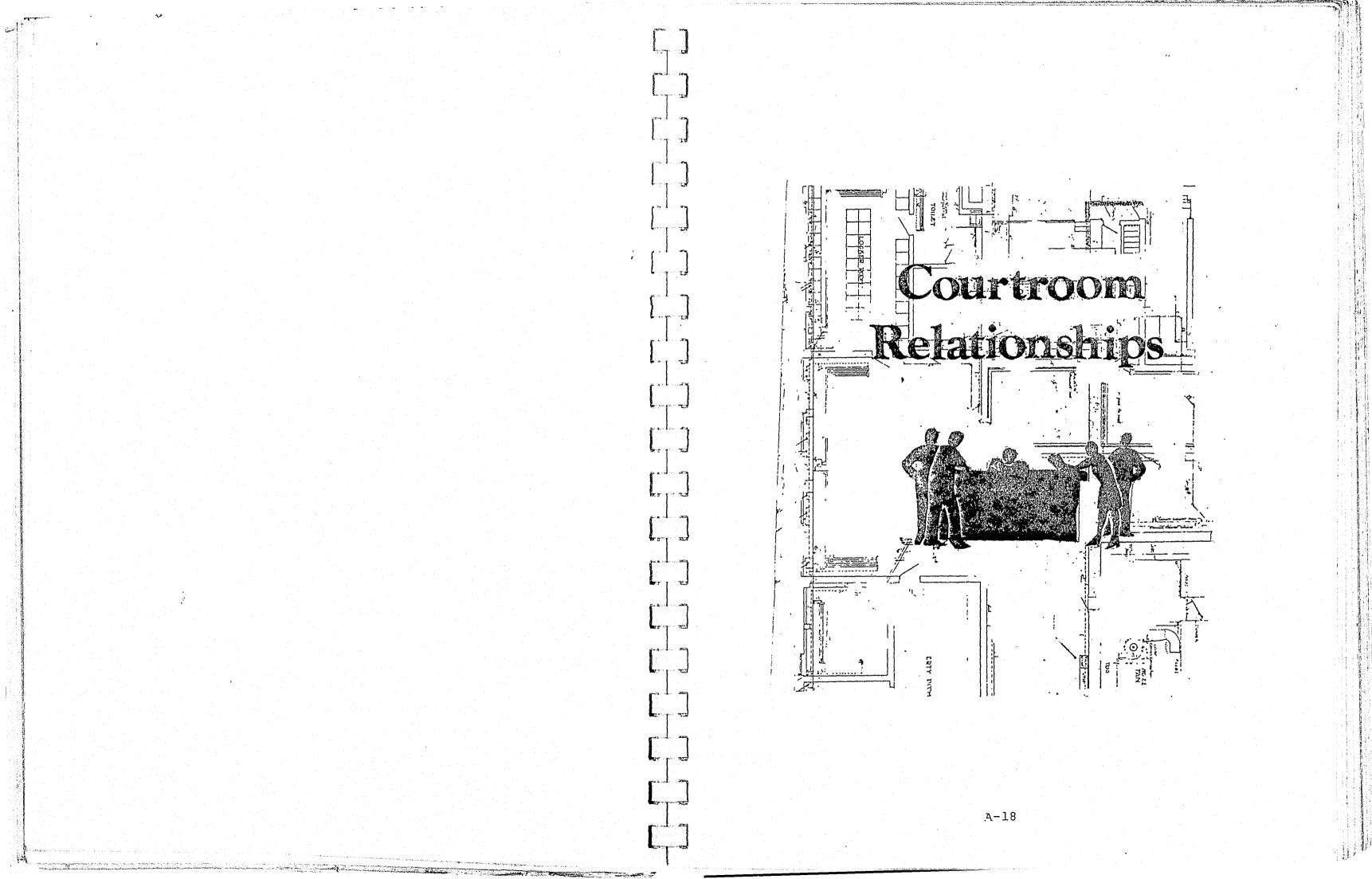
جيجك والمرجوع والمرجوع

PP/ WP GOOD 1115 PUB 77 Probate Courtroom

1460

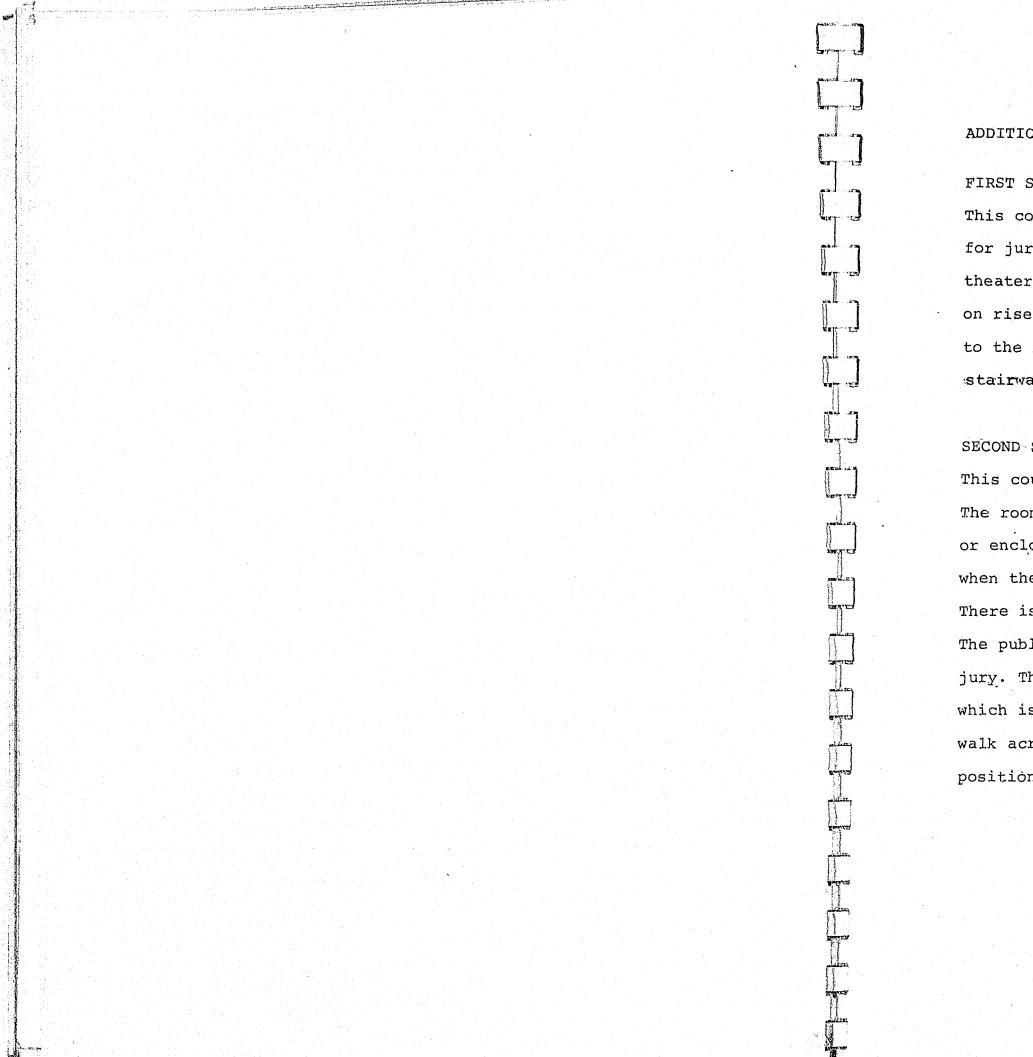
3 10 C GOOD pP GOOD 15' ACC I FAIR N • SECOND FLOOR p₽/ WP PUB 189 Superior Courtroom C/W GOOD Ι 3 20 FAIR 20' ACC POOR N GOOD pP

| | Lobby | 195 | PUB | 1 | pP | GOOD | 3 | 0 | с | FAIR | pP | GOOD | 9'- 13' | ACC | F | POOR | N |
|-----------------------------|--|-----|-----|-----------------|--|------|---|----------|---|------|----------|---|-------------|---------|---|-------|-----|
| | Public Defenders (presently Janitors) | 55 | PUB | 3 | pP | GOOD | 2 | 10 | v | GOOD | pP | FAIR | 14' | UnN | I | FAIR | N |
| 17 | Detention Area | 225 | SEC | 20 | pP/ PW | FATR | 2 | 10 | v | FAIR | pP | POOR | 14' | ACC | I | FAIR | N |
| | Clerk of Cts. Office | 95 | SEC | 4 | pP | GOOD | 2 | 5 | v | GOOD | pР | GOOD. | 14' | UnN | F | POOR | 1W |
| • • | Clerk of Cts.(sec'y) | 205 | PRV | 7 | pP | GOOD | 2 | 15 | V | GOOD | pP | GOOD | 14' | ACC | F | FAIR | lw |
| 7. | Judge's Lobby | 255 | PRV | 4 | pP/ WP | GOOD | 4 | 5 | C | GOOD | рР | GOOD | 10'- 13' | 1 · · · | F | GOOD | 1.W |
| | Law Library | 420 | PUB | 10 ^P | P/pW BC | GOOD | 2 | 15 | v | GOOD | pP/ G | GOOD | 23' | ACC | I | | N |
| | Law Library Annex | 460 | PUB | 2 | ₿P/ BC | FAIR | 2 | 5 | v | GOOD | pP | GOOD | 10' | ACC | I | FAIR | N |
| • | Women Jurors | 240 | PRV | 18 | pP | GOOD | 2 | 5 | v | GOQD | pP | GOOD | 12' | UnR | I | POOR | N. |
| | Men Jurors | 240 | PRV | 22 | pP | GOOD | 2 | 5 | v | GOOD | pP | GOOD | 12' | UnR | I | POOR' | N_ |
| • | Jury Deliberating Rm. | 230 | SEC | 18 | рÞ | GOOD | 3 | 5 | v | GOOD | oP | GOOD | 13' | UnR | I | FAIR | N |
| • Line Frank i series | | | | | | | | | | • | | | | | | | |
| | | | | <u></u> | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | <u>,</u> | | | | , <u>an an a</u> | <u>.</u> | ~ | | | |



| | | • | | • |
|---|--|----------------|-------|----------------------------------|
| | | | | |
| | | lst Session | | |
| | | | Prob. | |
| | JUDGE | | | |
| | Can the Judge see the entire courtroom? | Ýęs | Yes | |
| | Can the Judge hear the Witnesses clearly? | No | No | |
| | Can the Judge hear the Attorneys clearly?* | No | No | |
| | Is the Judge's lobby adjacent to the courtroom? | No | Yes | |
| | Is there a bathroom in the Judge's lobby? | Yes | Yes | |
| | | Yes | Yes | |
| | Is the Judge's lobby private? | <u></u> | | l h ylanyin nini i |
| | Is the Judge's lobby secure? | No | Nọ | |
| | JURY | | | |
| | What size jury can the courtroom accomodate? | 12 | 12 | |
| | Approximately how far are jurors from public? | 25' | 15' | |
| | Approximately how far are jurors from litigants? | 20' | 20' | |
| | Can the Jurors see Witnesses at full | No | Yes | |
| | face? Can the Jurors see the Judge at full face? | | -Yes | |
| | | | | |
| | Can the Jurors see the Prosecutor & Defense Attorney?* Are Jurors on same side of Judge as | Yes | Yes | |
| | Witnesses? | Yes | Yes | |
| | Can the Jurors hear Attorneys clearly?* | No | No | · . |
| | WITNESSES · | | | |
| | Can Witnesses see Judge & Attorneys? | Yes | Yes | |
| | Does the Witness Box have a microphone? | No | No | |
| | ATTORNEYS | | | |
| | | | 17 | * |
| n de la company de la comp La company de la company de | Can Attorneys see the Jury? | Yes | Yes | |
| | Can Attorneys hear the Judge clearly? | No | No | |
| | * When Attorneys are in their usual locati | ons | | |
| | | | | |
| an an an taona an taona ang ang ang ang ang ang ang ang ang a | A-19 | | | |

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|---|-----------|----------|
| | | |
| | | • |
| · · · · · | lst | 2nd |
| | | Sess. & |
| | | Prob. |
| ATTORNEYS (continued) | 1 | |
| Can Attorneys hear the Witnesses clearly? | No I | No |
| Approximately how far is the defendant from counsel? | | 10'-15 |
| Are Lawyer conference rooms conveniently | | |
| located? | No I | NO |
| COURT OFFICERS | | |
| Do Court Officers have a designated | | |
| place in courtroom? | Yes | Yes |
| Are they near enough to defendant to restrain him? | | Yes |
| Is there a Court Officer located between | Yes 1 | No |
| Jury & public? Is a Court Officer located so that he can | | |
| protect Judge? | No 1 | No |
| PROBATION OFFICERS | | |
| Is there a space for the Probation | | |
| Officer and his records? | Yes 🖓 | Yes |
| DEFENDANT | | |
| Can the Defendant hear the Judge clearly? | NO I | No |
| Can the Defendant hear the Attorneys | 1 | |
| clearly?* | No I | No |
| Can the Defendant hear the Witnesses clearly? | No | No |
| GENERAL | · · · · · | • |
| Is there an alarm system? | No 1 | No |
| Does the courtroom have a blackboard? | Yes | Yes |
| Can the courtroom be darkened for visual aids? | Yes | Yes |
| Is there a clock? | Yes | Yes |
| PUBLIC | | |
| Is the Public seating comfortable? | No I | No |
| Does the press sit in the public area? | | No |
| The subas the press sit in the public area? | | 1 |



and the second second

ADDITIONAL COMMENTS

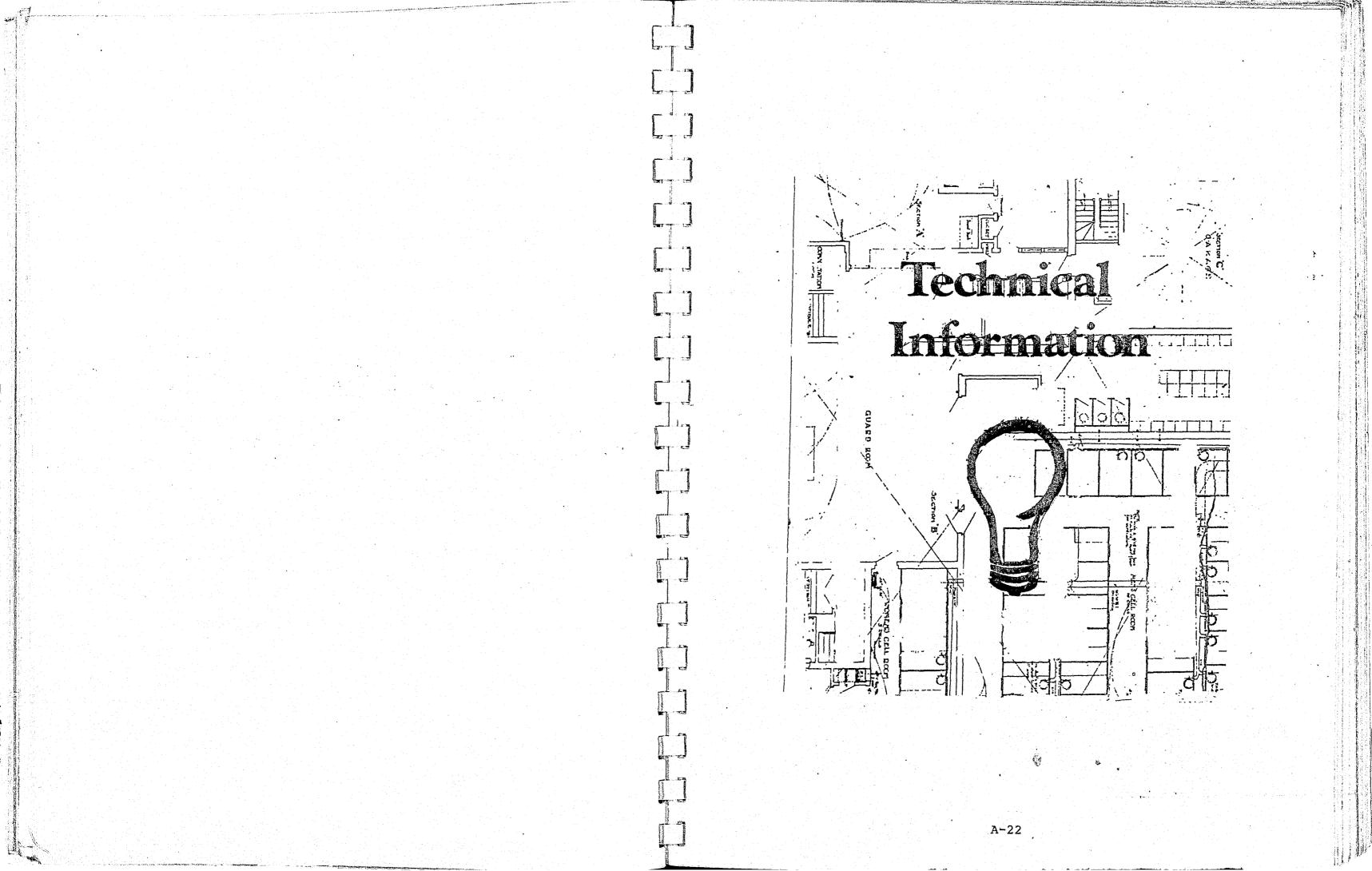
FIRST SESSION

This courtroom is used exclusively by the Superior Court for jury trials. The room is laid out in a semi-amphitheater manner, with the jury boxes and the public seating on risers above the bar enclosure. One public entrance to the room is made by a very steep and badly lighted stairway at the rear of the room.

SECOND SESSION/PROBATE

This courtroom is shared by the Superior and Probate Courts. The room is laid out as a Probate Courtroom with no dock or enclosed jury box. However, both functions are provided when the room is used by the Superior Court by adding chairs. There is some damage in the cornice work above the blackboard. The public entrance is also used for prisoners and by the jury. The judge has a separate entrance to the bench itself which is enclosed. If a court officer precedes him, he must walk across the bench area down to the bar area and to his position in the room. Judge Ponte finds this awkward.

A-21



ACOUSTICS

felliont Boiss is background noise; that is, an average noise level attributed to sources such as air rushing through ventilators, outside street traffic noise, flourescent balast hum, and others.

The noise level, for this study, was measured in decibels on an A-weighted scale (dBA units). The A-weighted scale compensates for human hearing defi-cienclus by adjusting the sound levels at each end of the audible fragmency spectrum. For a detailed evolution chencius by acjusting the sound levels at each end of the audible frequency spectrum. For a detailed explan-ation of acoustic measurement, please refer to Sound Control Construction*. For comparison, a table of typical noise levels and optimum buckground sound levels follows.**

| | Source/Room | Level (dBA) |
|---------|--|---|
| Typical | Aircraft (near plane) Person shouting Average conversation | 140 80 50 |
| Optimum | Conference room Private offices Large general offices Stenographic offices Courtroom | 35 35 - 45 45 50 - 60 35 - 45 |

Field measurements were made with either of two Bruel Field measurements were made with either of two Bruel & Kjaer sound level meters, models \$/203 or \$2206. These are equipped with microphones which are nearly omnidirectional. The frequency response for the \$2206 is 4Hz to 15KHz (* 2dB). The frequency response specifications for the \$2203 are quite lengthy. (Instruction manual has specifics).

Flutter Echo occurs when a sound wave bounces continually between two parallel, acoustically reflec-tive surfaces. The magnitude of the sound has to be at an audible level, and the time between bounces must be great enough to make the noises distinguishable as separate sounds. Flutter echo usually sounds like a series of short pings.

To estimate flutter echo, a researcher claps his hands, producing an impulse sound, and then listens for its presence.

Esverberation time is the duration of sound reflection in a space. It is defined as the time (in seconds) after a constant noise source ceases, that it takes for the original sound pressure level to decrease by one thousand (60 dB). The presence of flutter cha and reverberation times in this study were estimated

To estimate the reverberation time, a researcher coughs, producing a loud sound, and then listens for the rate of decay of the cough.

*Sound Control Construction, Second edition, prepared by the United States Gypsum Co., Chicago, Illinois 1972.

**Sound Control Construction, except for the courtroom data, which was obtained from Mr. Robert Newman, Professor of Architecture, Massachusetts Institute of Technology

•••illuminating Engineering Society, IEJ Lighting Handbook, New York: McGraw-Hill, 1964

LIGHTING

The ratings for lighting acceptability are based upon the accepted standards of light intensity as listed in IES (Illumination Engineering Society) Handbook**. These stondards provide a comprehensive listing of the levels of light required for a multitude of tasks.

The standards specify required light levels in foot candles. (One foot candle is defined as the intensity of the light produced by one candle at a distance of of the light produced by one candle at a distance of one foot). For a given light source, the intensity of the emitted light is inversely proportional to the square of the distance between the source and the point of measurement; for example, if the intensity of a light source was measured as being 406 footcandles at light source of one foot, at a distance of two feet, the intensity would drop to 100 footcandles. For this reason, the lighting standards refer to light intensity at the work surface. The following table of light requirements, which is representative of court activities, is an extract of a more exhaustive listing in the IES Handbook. Required

| Room | Function | Light Footcandles) |
|-------------------------|--|------------------------|
| Courtrooms | seating area court activity area | 30 70 |
| Library | reading printed material study and note taking | 30 70 |
| Conference Room | interviewing | 30 |
| Offices (Accounting) | auditing, tabulating, bookkeeping, business machine operation, compu operation | 150 iter |
| Offices , (General) | Reading poor reproduc- tions, business machine operation, computer operation | 150 |
| | Reading handwriting in hard pencil or on poor paper, reading fair repr ductions | 100 :0 - |
| | Reading high contrast or well printed materials | 30 |
| Police | Jail cells | 30 |
| | | |

Field measurements are made with GE 213 light meter. This meter, is color and cosine corrected to give a linear response (accuracy ±15).

Light intensity is not the only factor affecting the illumination of a room. Natural light (sunlight, shaded light and overcast conditions) has a marked affect on the lighting level of a room. Glare from harsh lighting can hinder the ability of the occupants of the room to read and record information. These conditions, as well as other factors affecting the lighting, such as special deficiencies or annoyances, are noted when pertinent.

ACOUSTICS

Echo

Reverb.

Notse

Flutter

ACC

ACC

Amblent

ABS

ABS

36

40

Area

Courtroom

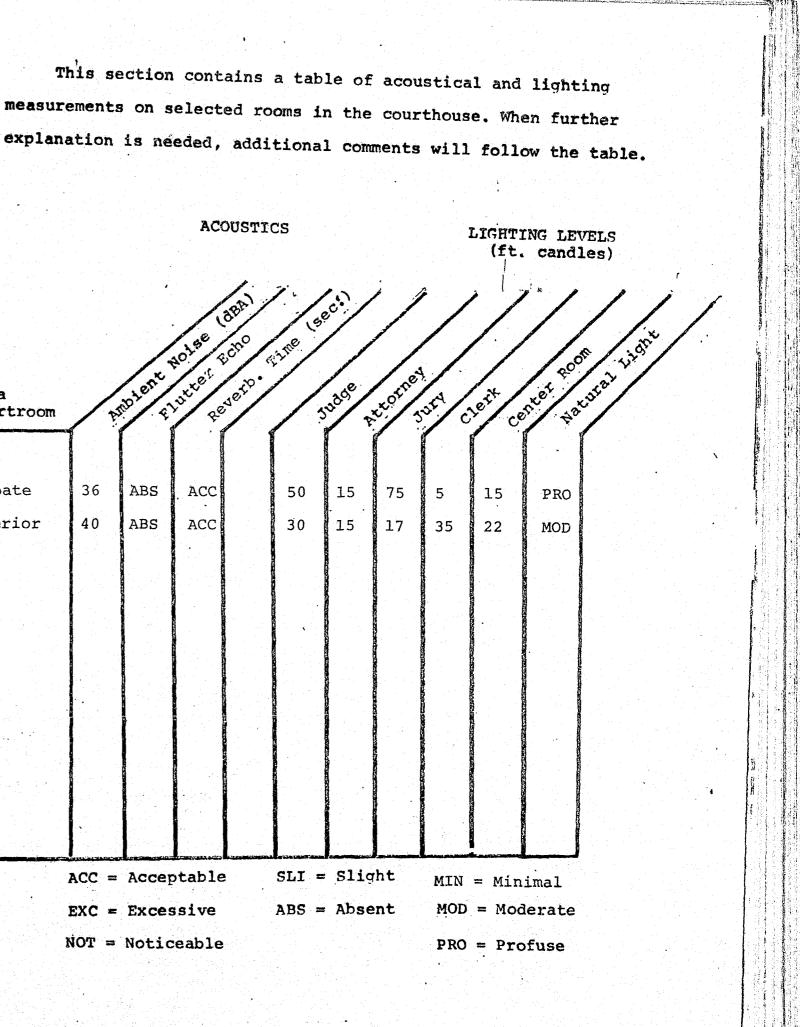
?robate

Superior

ACC = Acceptable

EXC = Excessive

NOT = Noticeable



ADDITIONAL COMMENTS

FIRST SESSION

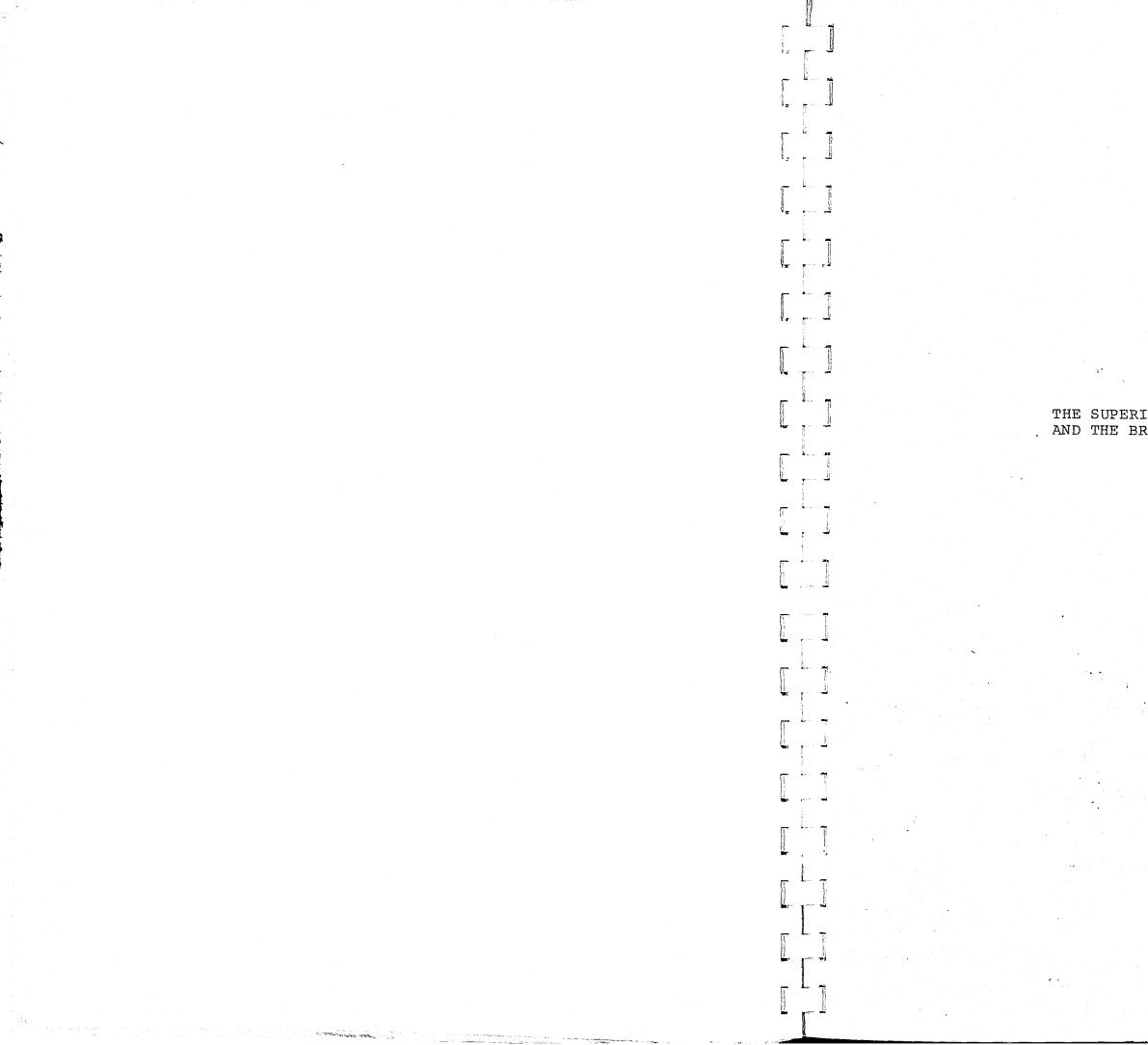
Harden of

Acoustics Ambient noise is due to traffic outside the building. This is a problem which grows worse in summer months when windows must be opened for ventilation. Room acoustics are generally good, although normal speech is sometimes difficult to understand due to the noise level. Lighting Lighting is provided by incandescent fixtures and natural light from windows in the walls of the room. The lighting levels are bad except at the judge's bench and at the clerk's station; at these areas, supplementary luminaires are used. Unconverted and unused gas lighting fixtures surround the courtroom.

equipment outside.

SECOND SESSION/PROBATE Acoustics As in the first session, ambient noise originates outside the courtroom. Street noise and lobby noise enter the courtroom, especially when windows are left open for ventilation. The room acoustics are acceptable, but not ideal, due to the almost excessive reverberation characteristics. Lighting Lighting is provided by incandescent fixtures and windows in two walls. The levels are inadequate, however, for courtroom use.

Some room noise levels (noted in the room data section of this report) were affected by temporary construction



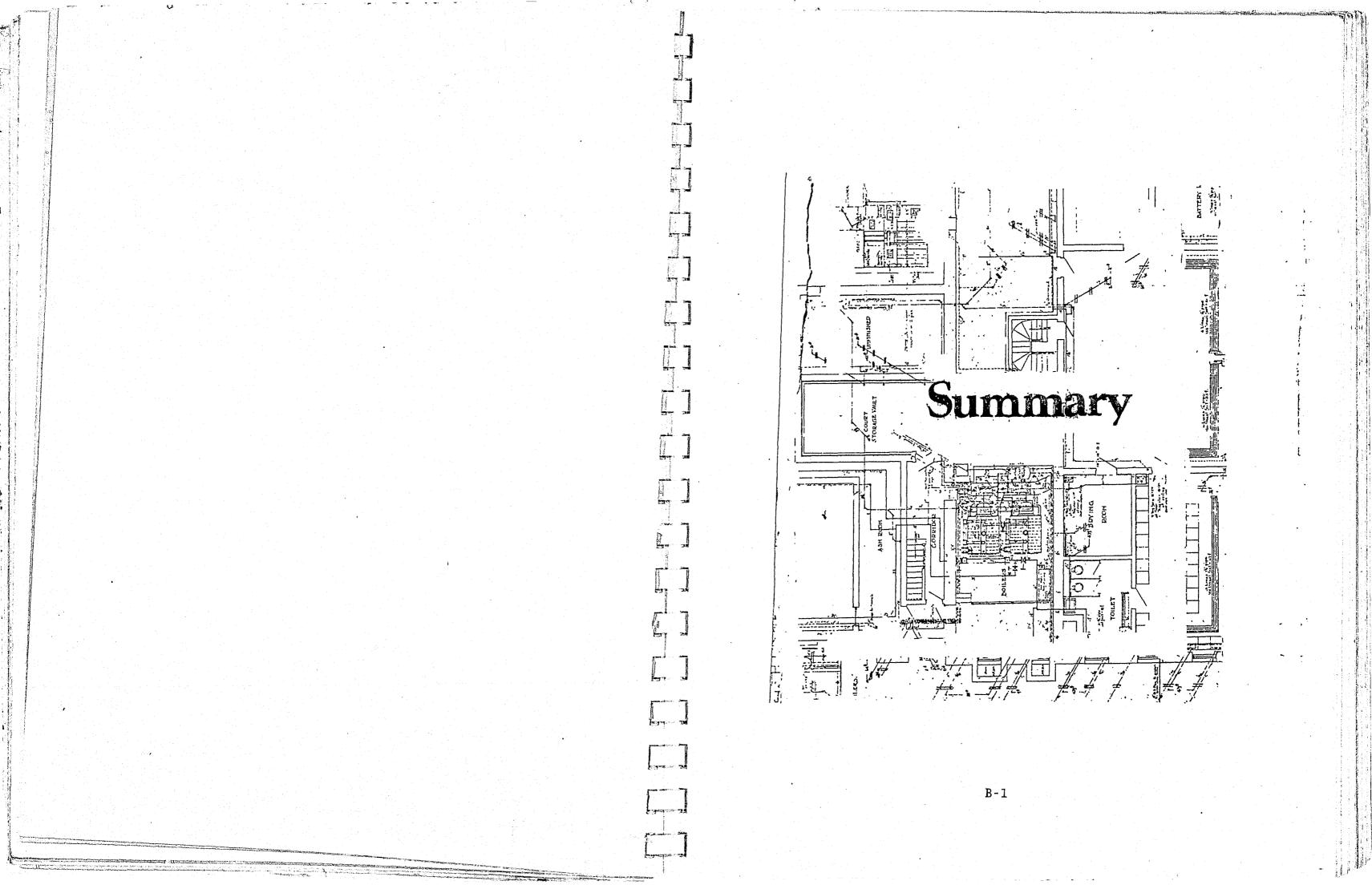
THE SUPERIOR COURT IN BRISTOL COUNTY AND THE BRISTOL COUNTY PROBATE COURT (FALL RIVER)

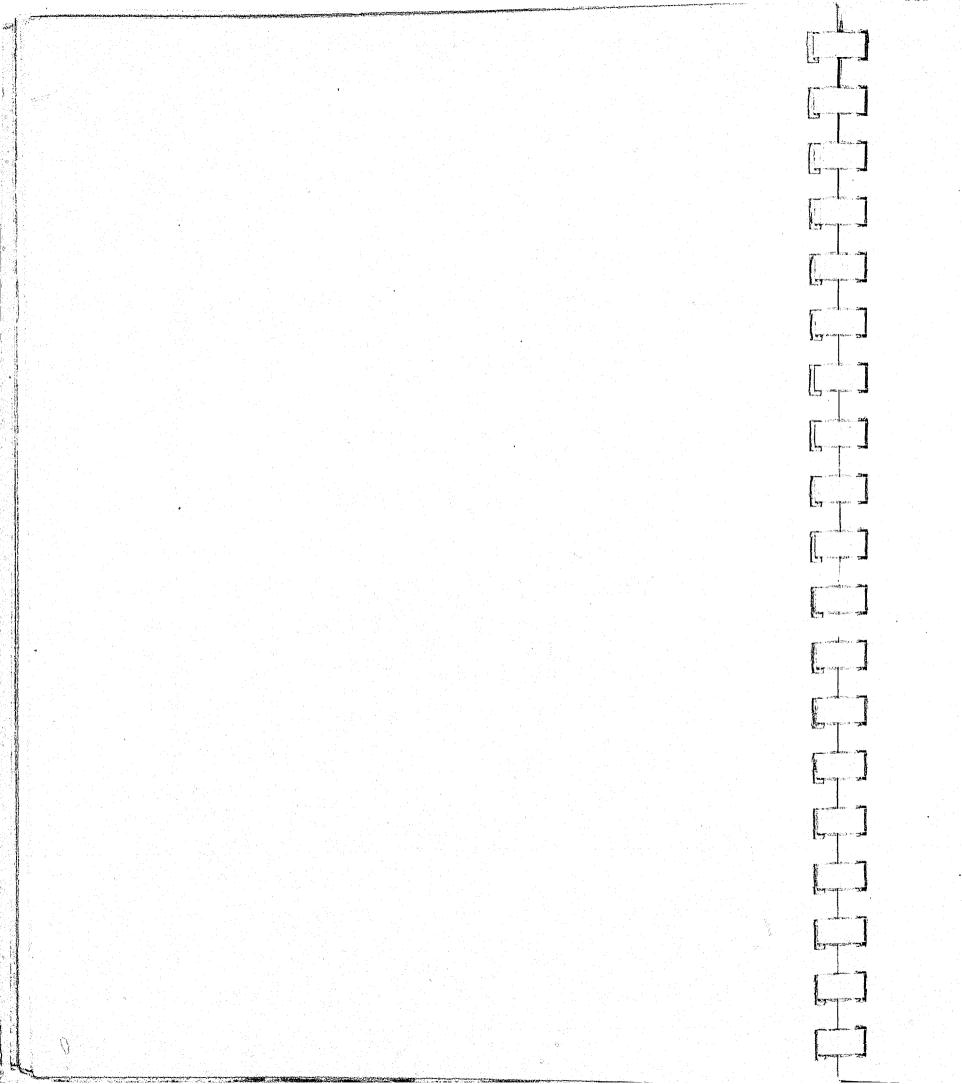
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| BUILDING, ENVIRONME |
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| COMMUNITY Serv |
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| Structure |
| Operating and |
| FLOOR LAYOUTS |
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| ROOMS |
| L COURTROOM RELATIONS |
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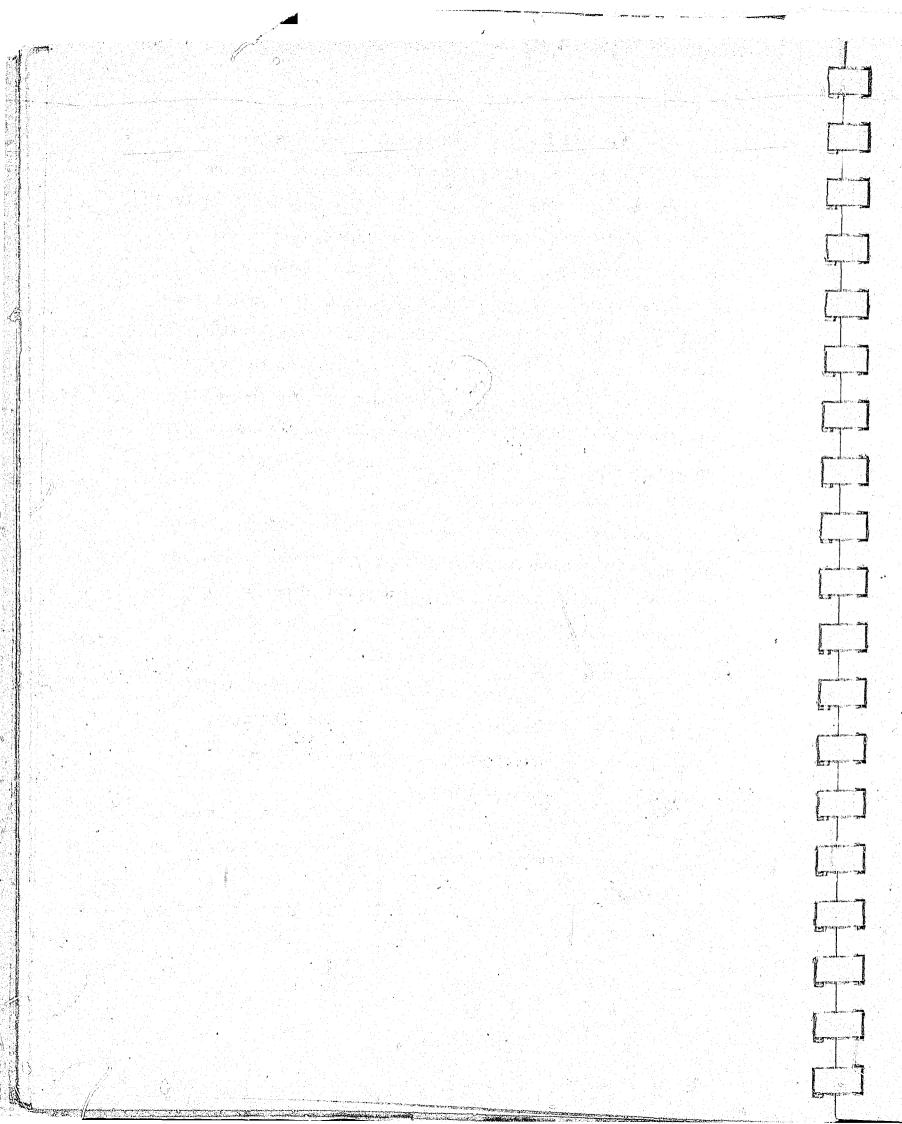




The Superior Court currently holds sessions in three facilities in Bristol County: Fall River, Taunton and New Bedford. The Fall River Courthouse was built in 1889 and currently houses sessions of both the Superior and Probate Courts. The courthouse is in poor condition. The structure is quite sound and is even a designated enlarging or combining spaces, and forces the staff to make

fallout shelter. The granite building is massive, with interior walls over two feet thick. The cost of renovations or repairs which would involve breaking through the walls or floors is prohibitive. This fact prevents the court from the best of the existing space. The court does have a good law library. However, there are not enough courtrooms and private conference areas. At present there is only one large courtroom. Other sessions are held in small hearing rooms. Lawyer conferences are held in rest rooms or in the public lobby. Most of the building is used by the Superior Court. Rooms used by the Probate Court include two courtrooms shared with the Superior Court, a Judge's lobby and an office for the Assistant Register. The lighting is generally inadequate. The courtroom and the hearing rooms have particularly poor lighting.

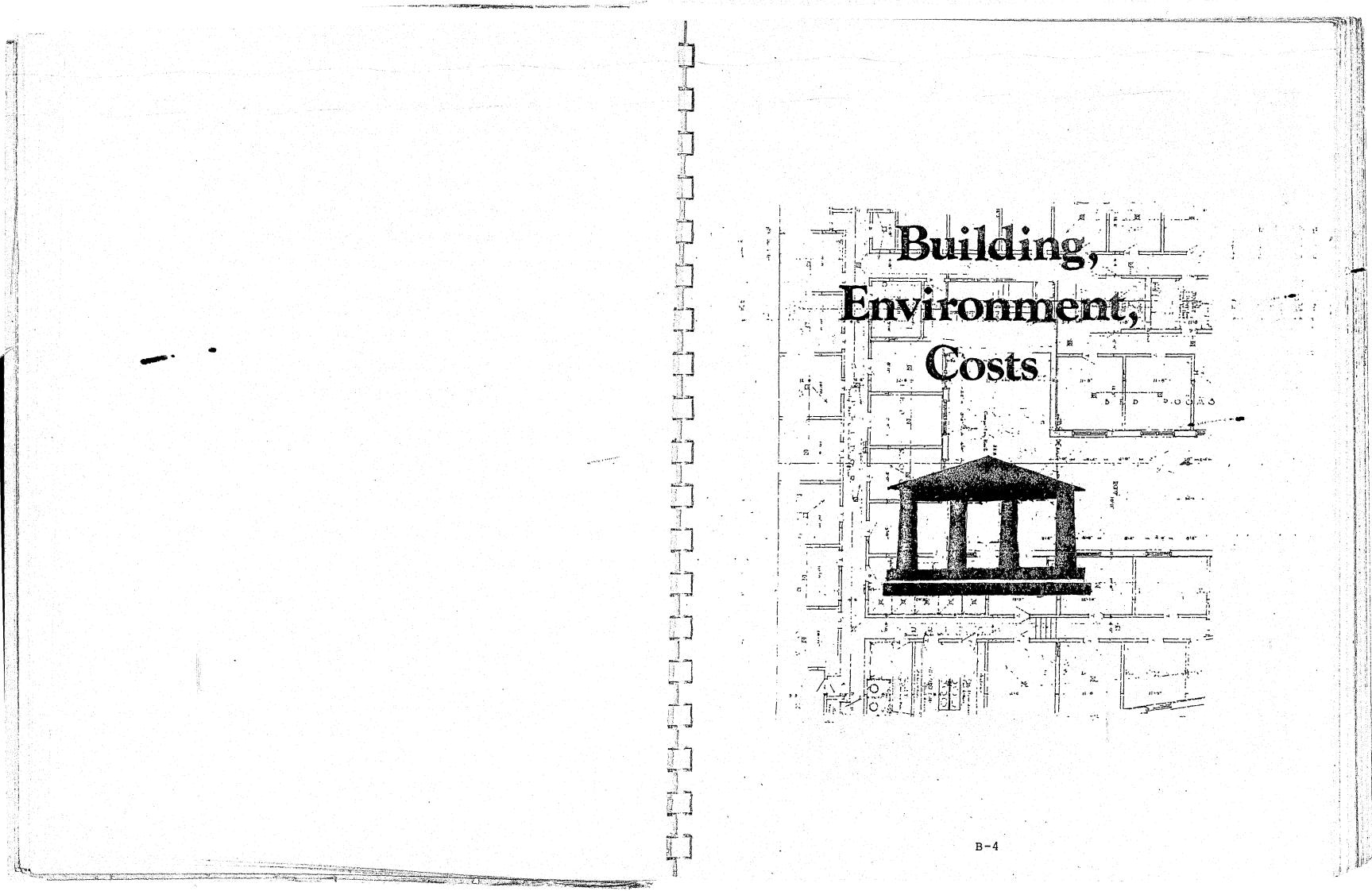
B-2

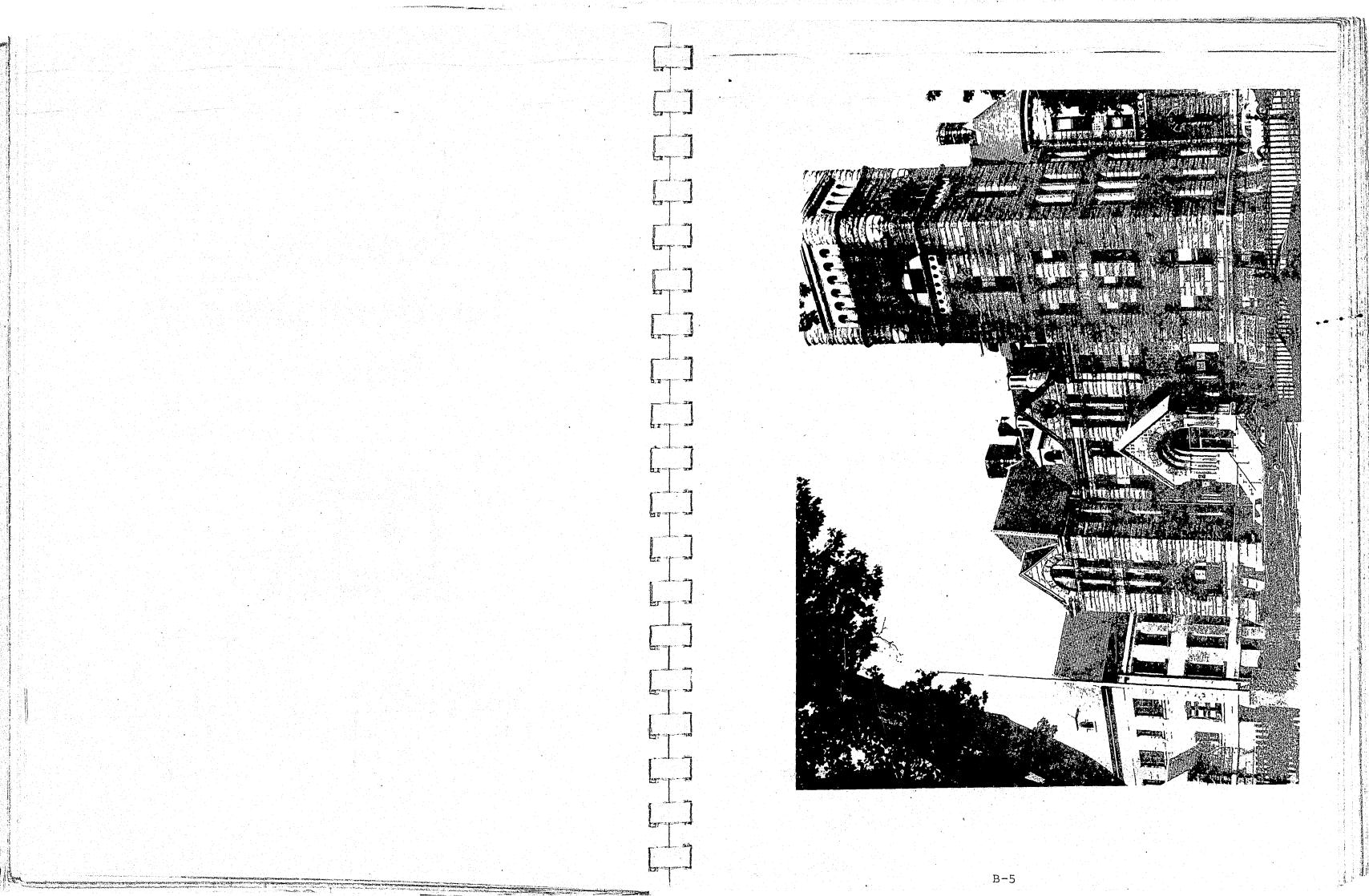


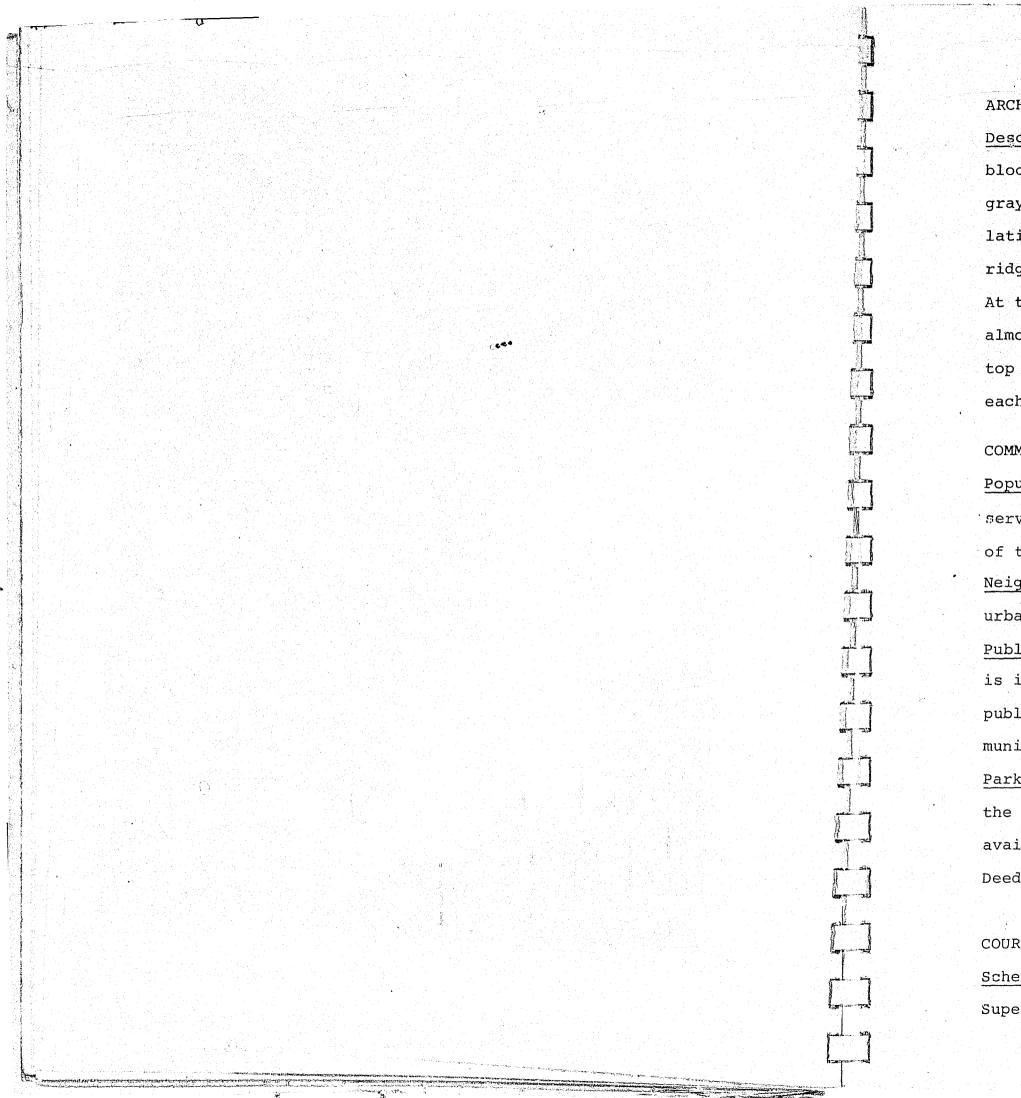
in the rooms.

Two other deficiencies are notable: (1) parking facilities are inadequate for the public; (2) there is no central intercommunication service or paging system. In order to call someone in the court, one must call a variety of office numbers in different locations in the court house and ask a member of the staff to conduct a search. In fact, even the Judge does not have a private phone and while we were there he received a call on the pay phone in the public corridor on the first floor,

The acoustics are generally unacceptable due to the high ceilings and the lack of sound-absorbing material







ARCHITECTURE

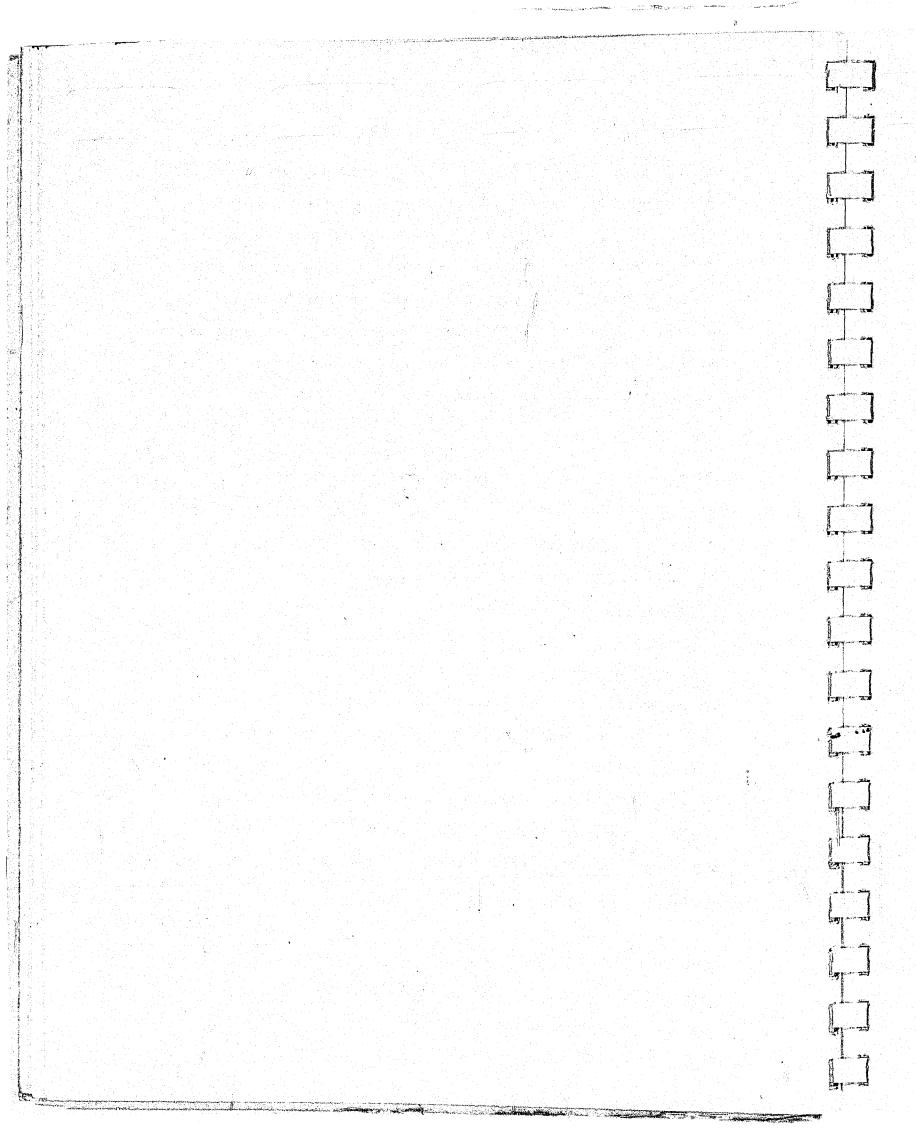
Description The courthouse is a three-story graniteblock Romanesque building. The predominant color is gray, while arches, columns, lintels, and other articulations are of pink granite. Dormers, cupolas, and roof ridges are all of copper, oxidized to a bright green. At the right corner of the front facade is a large tower, almost twice as tall as the rest of the structure. At its top is a steep hip roof, with four small minarets at each corner.

COMMUNITY SERVED, NEIGHBORHOOD, TRANSPORTATION <u>Population</u> The Superior and Probate Courts in Fall River serve the communities of Bristol County. The population of the county is 444,301 (U.S. 1970 Census). <u>Neighborhood</u> The Superior Courthouse is located in an urban municipal area, on a hillside overlooking Fall River. <u>Public Transportation</u> Local buses serve the area. There is infrequent bus service from New Bedford only. No public transportation exists to other Bristol County municipalities.

<u>Parking</u> There are reserved parking spaces for the Judges, the Clerk and the Sheriff. Approximately 76 spaces are available for the staff, the public and the Registry of Deeds.

COURTHOUSE FUNCTIONS Schedule of Operation The schedule of cases for the Superior and Probate Courts follows.

B-6



SUPERIOR COURT: Civil session (no jury) : 1st M of March Civil jury session Criminal PROBATE COURT: Return days are located in the building. here. in the building.

used. Several room signs are missing. are on the first.

: 1st M of January, April, October 2nd M of September : 1st M of June

: 1st W each month except August Space for Non-Court Personnel No non-court personnel

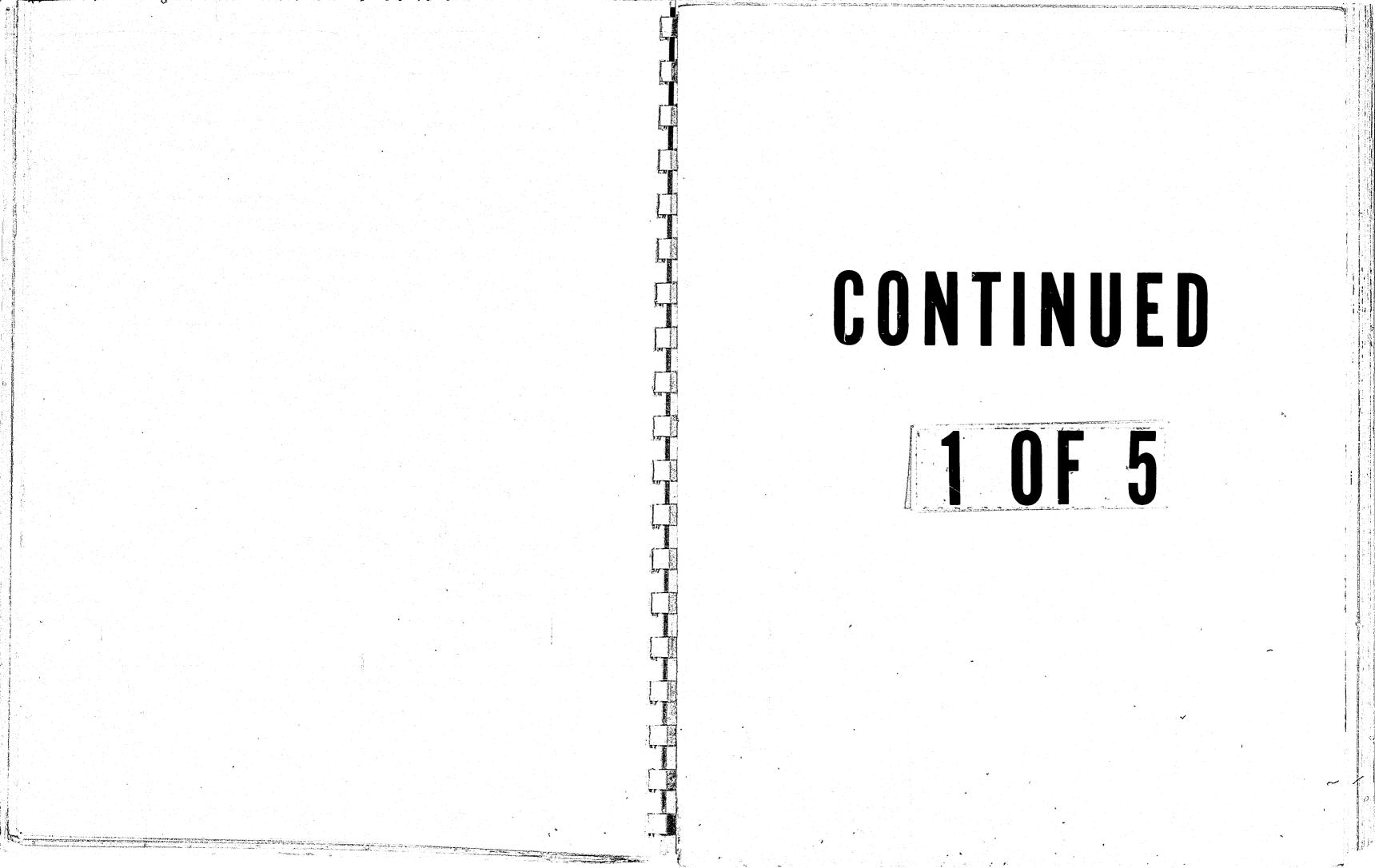
Security SUPERIOR COURT: Depending on need, deputy sheriffs serve in varying numbers. There are detention cells in the basement, but no criminal trials are currently held

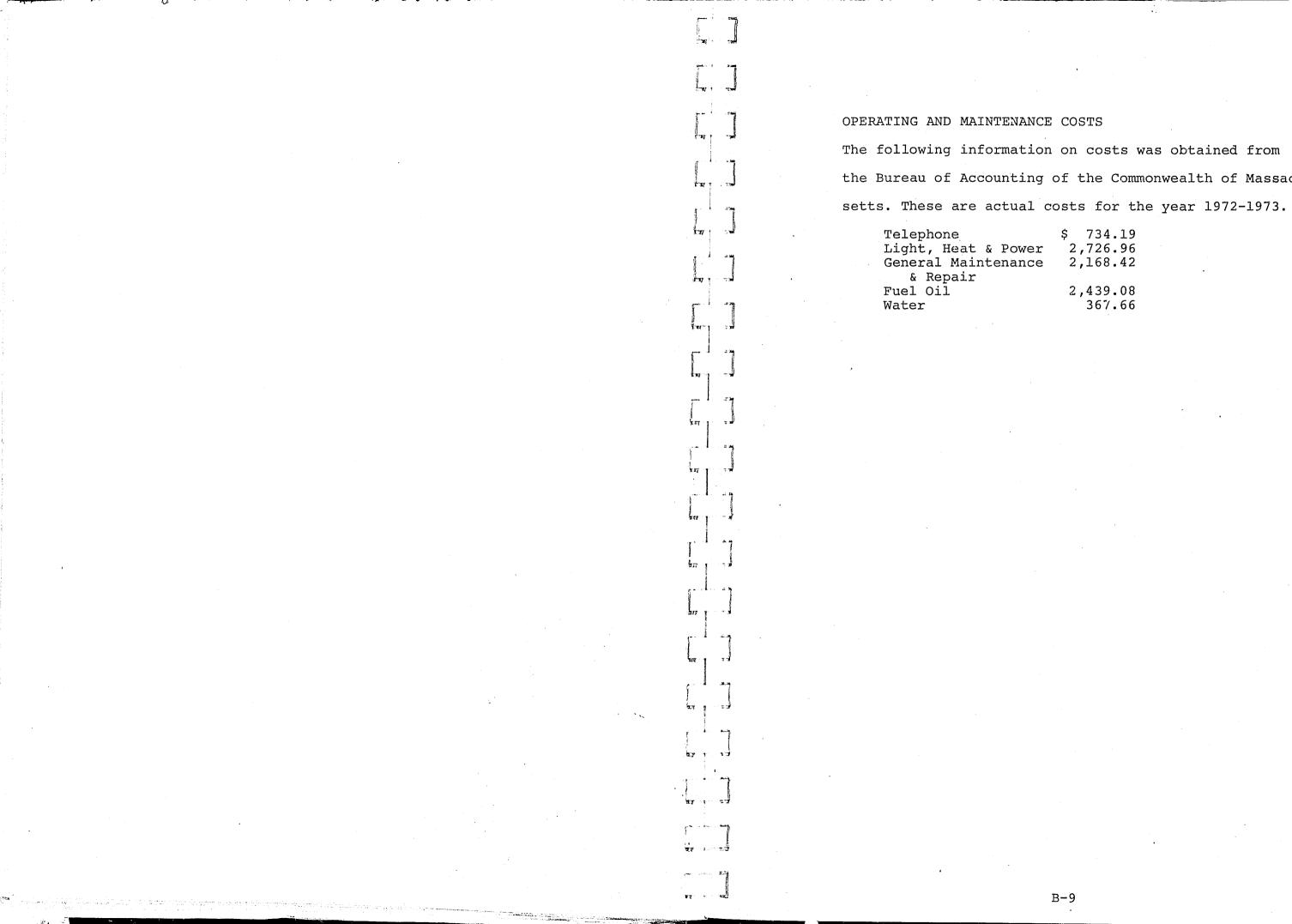
Public Address System There is no public address system

Tape Recording A court stenographer is used for court sessions. Visual Aids One x-ray shadow box is provided by the court. Use of Graphics There is no building directory. Room signs are painted on the doors; hanging signs are also

Rest Rooms Rest rooms are adequate for the judges and the jury but are inconvenient for the public. Men's rooms are on the basement and second floors, and the women's rooms

STRUCTURE Qualitative comments included in this section, except where noted otherwise, wate obtained from Mr. Thomas Canfield, Building Superintendent. Structural System The building is of masonry bearing wall construction, with steel beam and masonry vaulting floor support. The structure is in good condition. Air Conditioning There is no air conditioning in the building. Heating The heating is provided by a steam system, fueled by oil. The system is in good condition. Plumbing The plumbing is adequate and in good condition. Electrical System The electrical system is in good condition and of adequate capacity. Fire Protection and Detection No fire detection equipment is in use. There are fire extinguishers on each floor and in the two public stairwells. There are no exit signs. Storage There is no record storage in this building. Records are stored in Taunton and transported to Fall River for sessions by private car. 1.

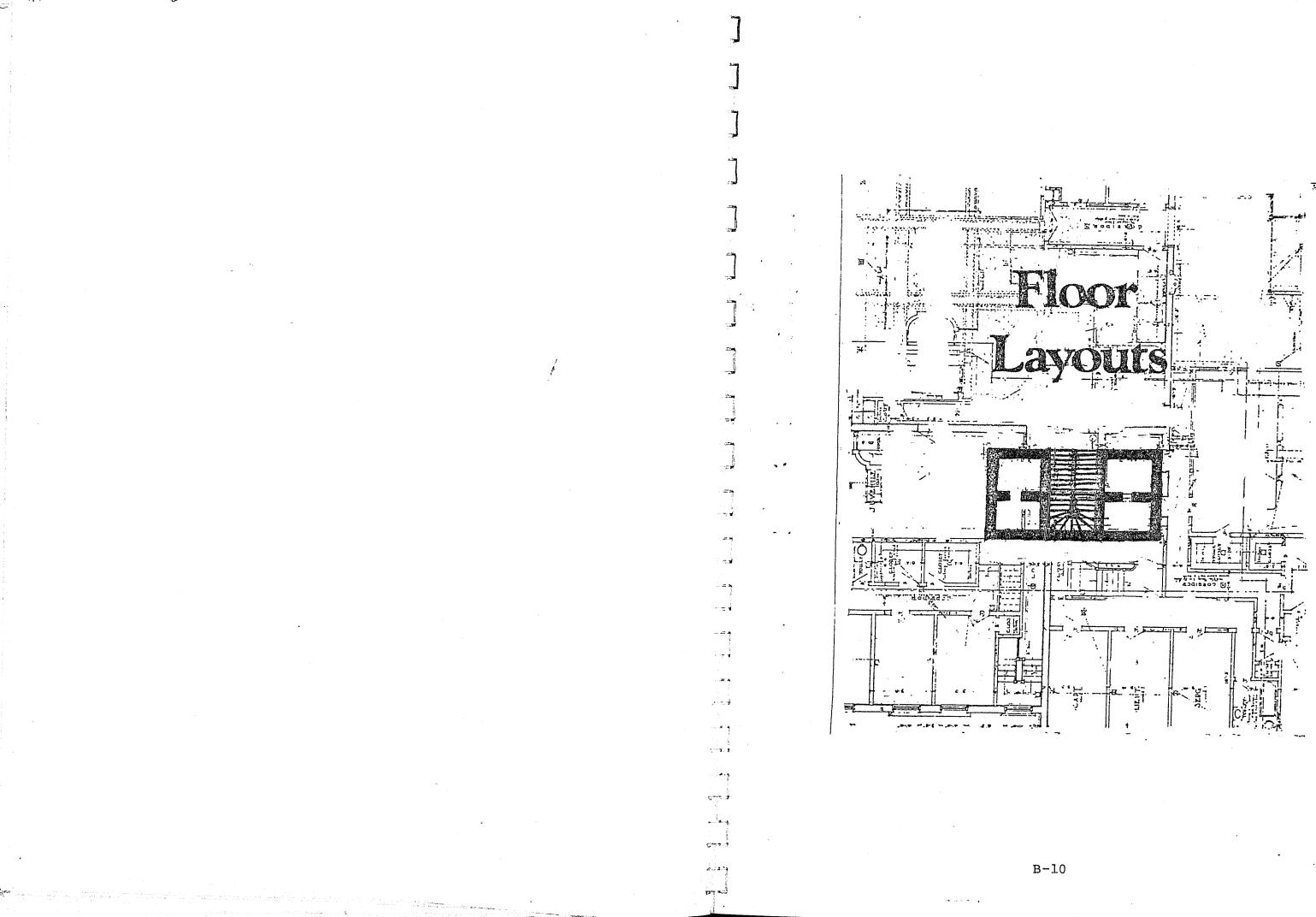


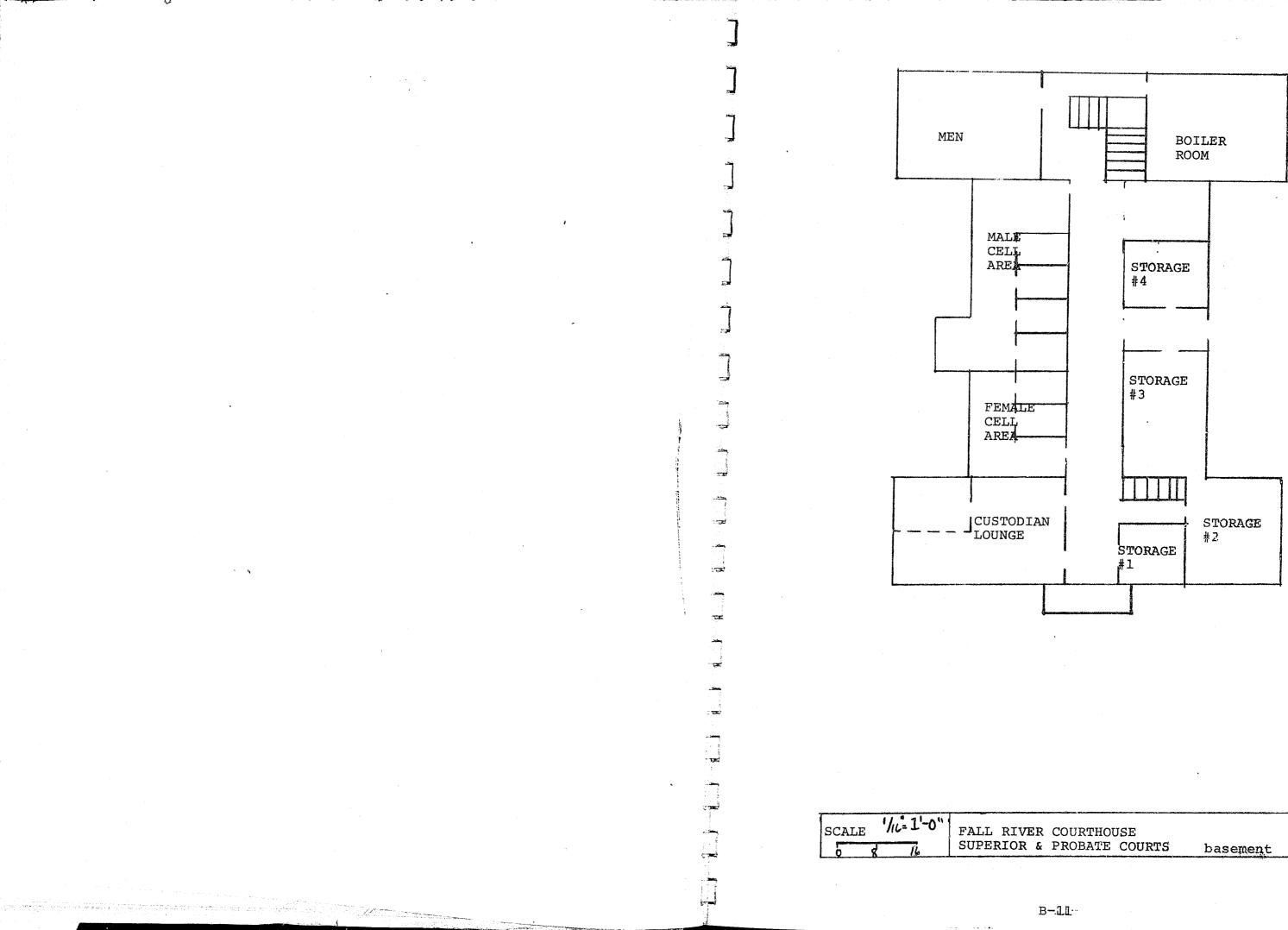


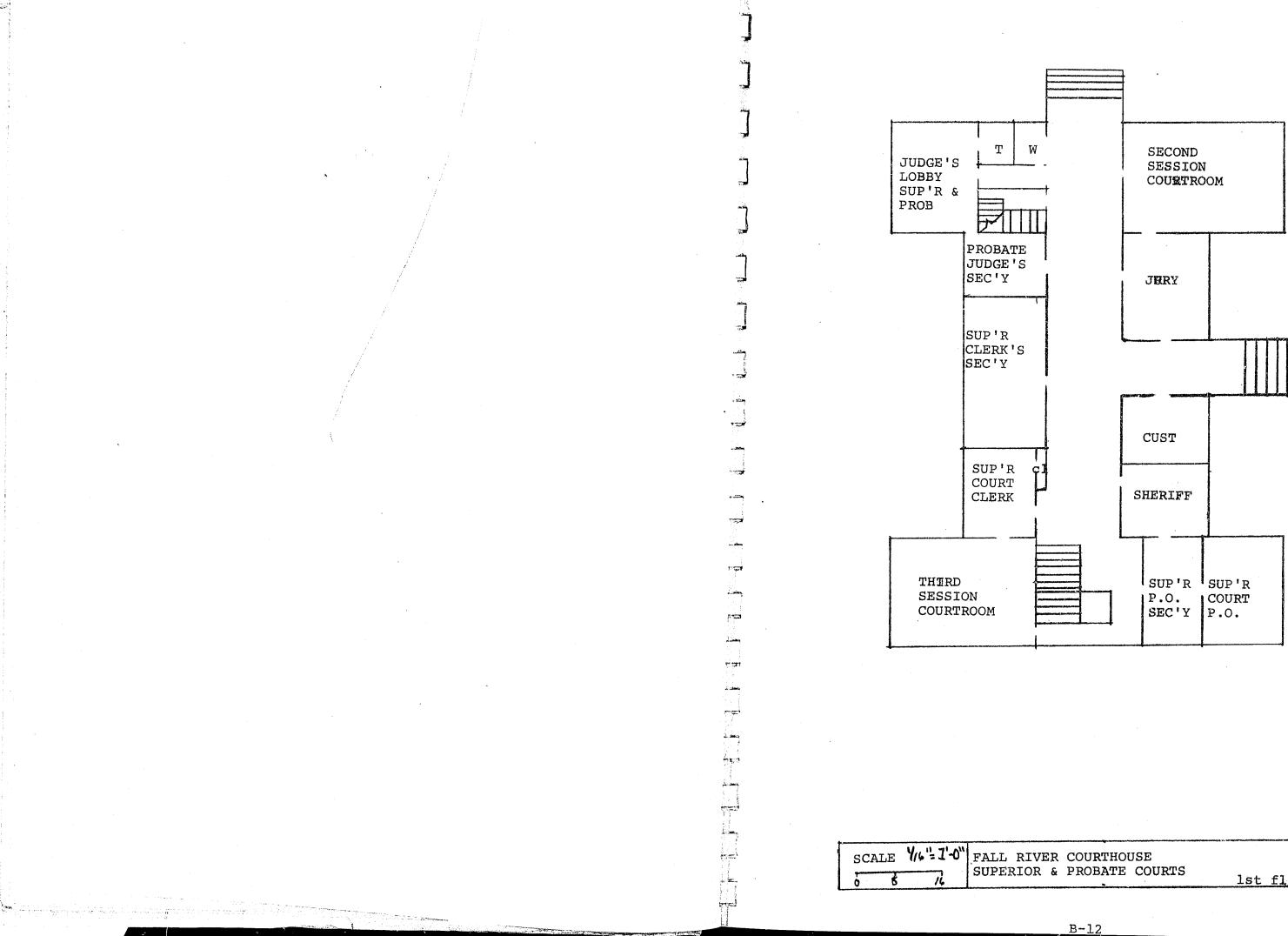
The following information on costs was obtained from

the Bureau of Accounting of the Commonwealth of Massachu-

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| wer | 2,726.96 |
| nce | 2,168.42 |
| | 2,439.08 |

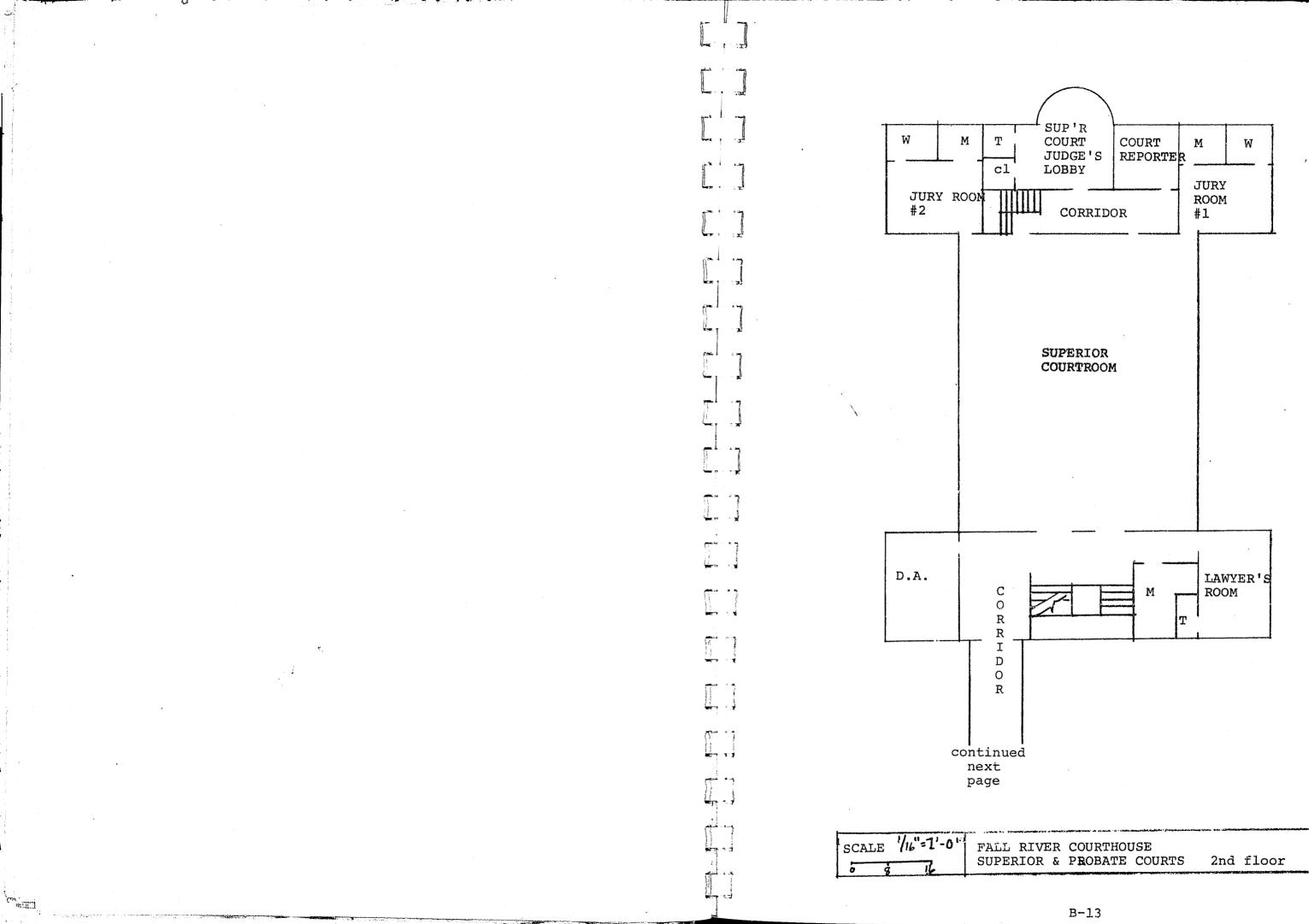


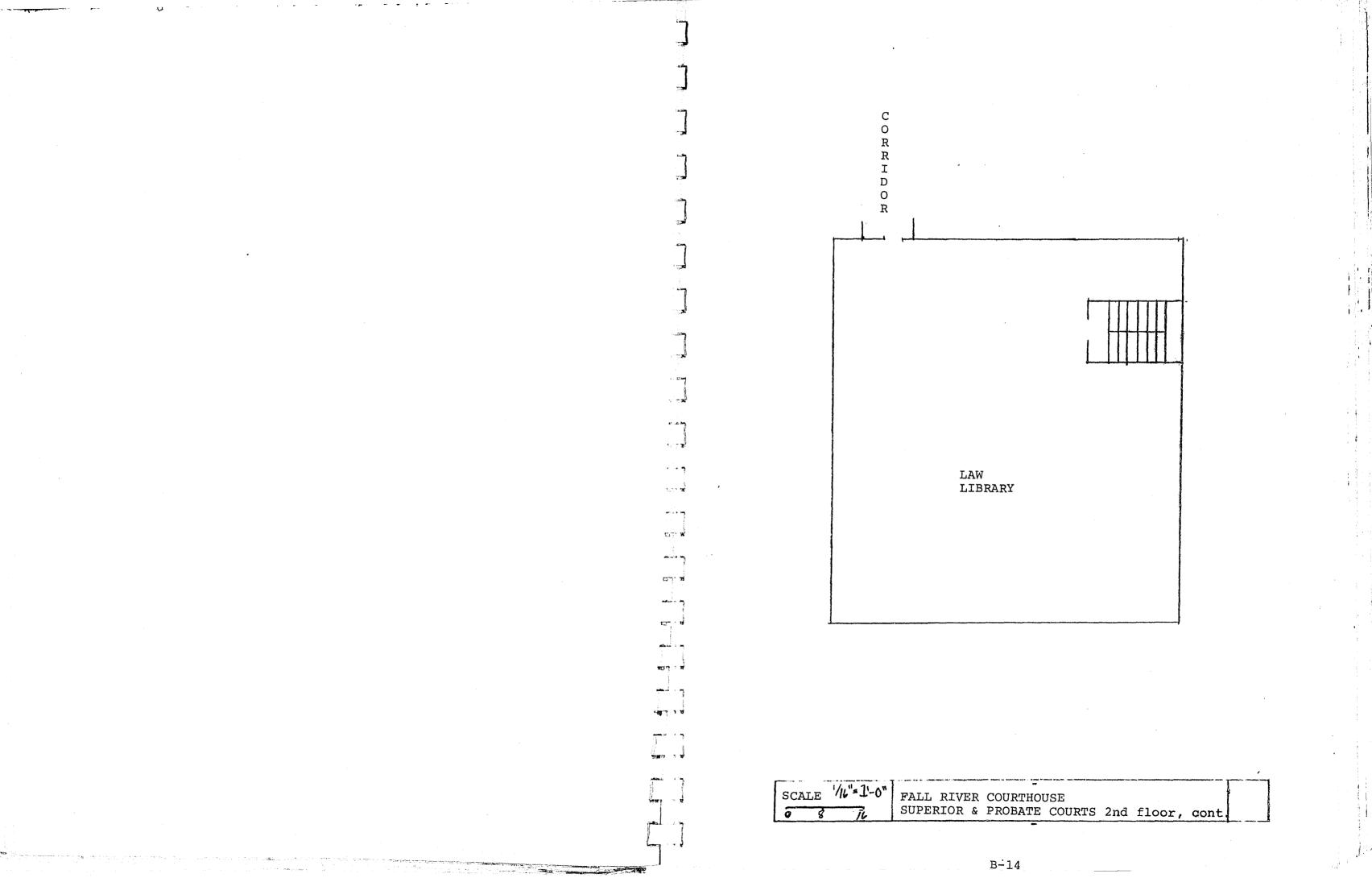


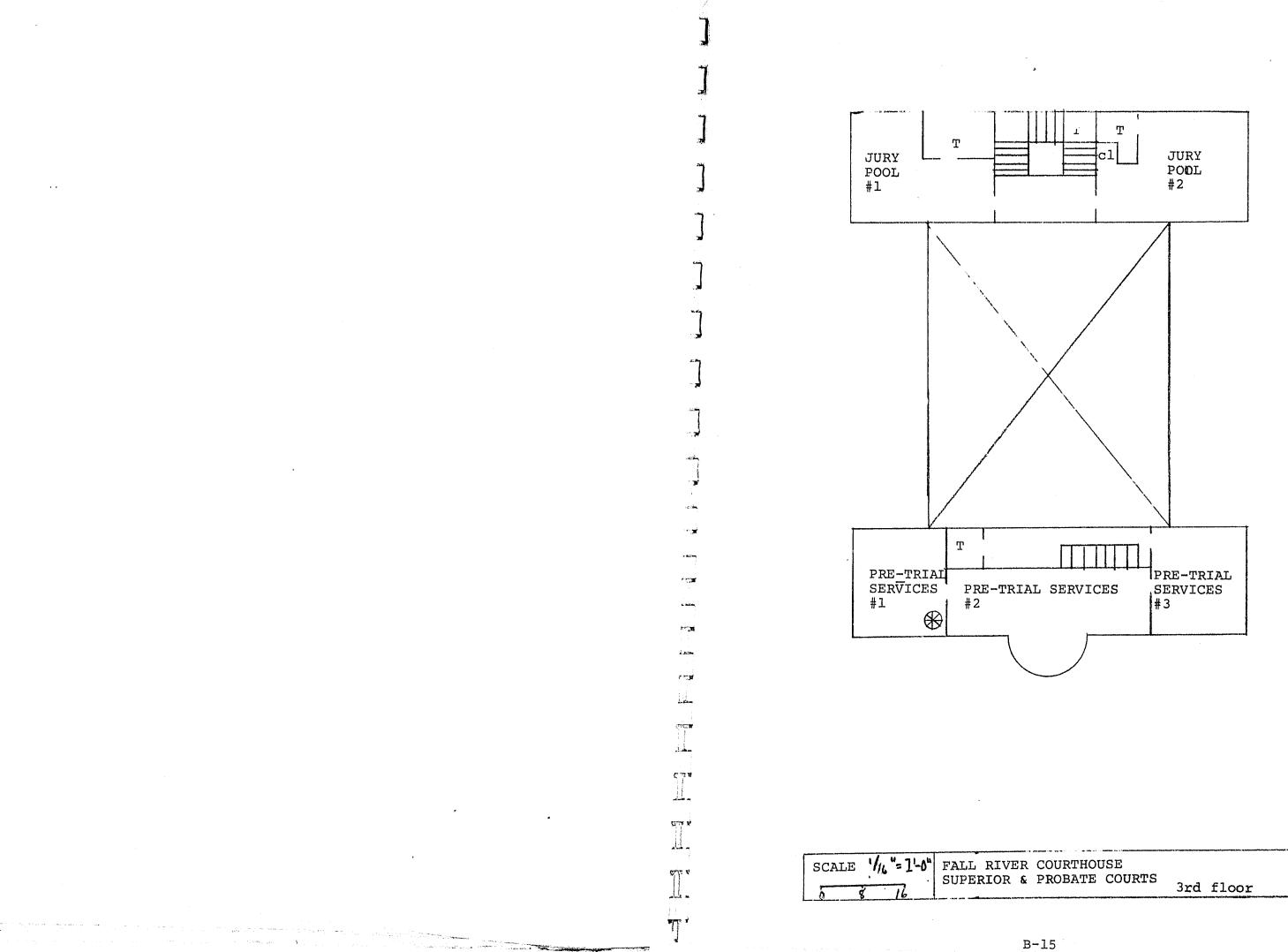


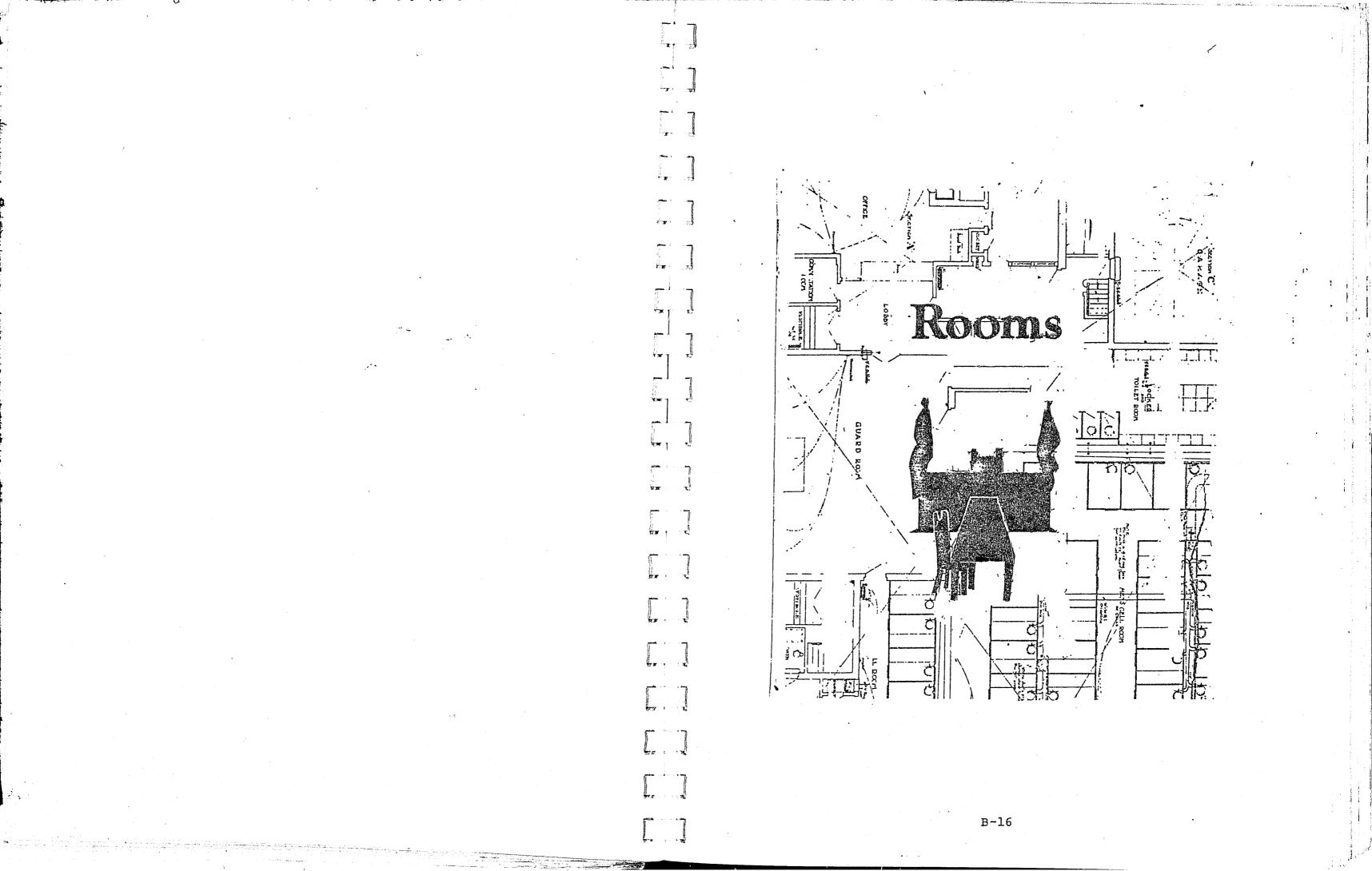
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Criteria

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| | • | Tons: A outient |
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| • | Courtrooms, offices, hearing rooms, sucretarial areas, conference rooms, libraries, lounges and detention facilities are superence | Tons: A subjective evaluation of the color tone of the room based on the following rating scale: |
| | rooms, bilitaces, hearing rooms, secretarial areas, conference all of the information in the table on the facing page, (square footage, type of access, finish, accustion are | |
| | Storage areas | Percent (3) of us 1 |
| | surveyed for only the square footage. | |
| | Other areas such as closets, restrooms, elevators and stairways are | neight: The floor to ceiling height. |
| | | ACOUSTICS The acceptability of the acoustics of each room is been |
| | Definitions | characteristics (flutter echo and reverberation time)." |
| | | |
| | storage in square feet. | Acceptable: Noise lovel and |
| | ACCESS The degree to which public entry into a room da | within standards for each room function; flutter echo is absent or slight |
| | Symbol Explanation | Un N Unacceptable, Noise the b |
| | Pub Public; Access is unrestricted to general public | |
| | Private: Access is martially | Un R Unacceptable: Noticeable flutter echo or excessive reverberation time. |
| | 5 | Un NR Unacceptable: Both Un N and Un R |
| | or locked doors. | LIGHTING |
| | and spectators, based upon current furnishing a room-for users | |
| | FINISH | F - Fluorescent Combination incandescent/ |
| | | based who compared the acceptability of light in the second |
| | Prefixua Coles | |
| ļ | P - painted ABT - Asbestos Tile CK - Cork S - character | Rating Explanation |
| | t - textured AT - Acoustic Flaster CRT - Ceramic Tile SA - Sound | Good Light levels for all functions of the room exceed |
| | BC = BOokcase G = Glass T = Terrazzo | Fair Light levels for any |
| | CB - Concrete Block BP - Plaster W - Wood | |
| | Condition (Cundtn): Paneling | AIR CONDITIONING THE |
| | Rating Explanation | conditioning, if present, in the room. |
| | Good Condition of surface shows no sign of denomination | Symbol Explanation |
| 1 | condition. | No all conditioning present. |
| | Pair Condition of the Condition | concrar air conditioning. |
| | scal repuirs and corrective maintenance are necessary | |
| | Poor Condition of an a | |
| 1 | scale corrective maintenance is pacessary to | units would be entered as (310) |
| 1 | to prevent | di ci |
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| August 100 | - Refer to technical information sect on for further explanation | |
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BASE Custodians' Lounge 640 Storage #1 155 Storage #2 360 2/ cellpBR Female Cell Area 360 SEC GOOD pCT FAIR pBR 2 5 GOOD 12' POOR N UnR I

| | 1 | 0022 | 12221 | 0000 | | | POT | TTTT | ppr | GOOD | 1 | UIIR | | POUR | 1 13 |
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| 385 | | | | | | | | | | | | | | | |
| 720 | SEC | 2/ cell | pBR | GOOD | 2 | 5 | pCT | FAIR | pBR | GOOD | 12' | UnR | I | POOR | N |
| 500 | - | | | | | | | | | | } | | | | |
| 190 | | | | • | | | | | | - | | | | | |
| | | | | | • | | | | | | | | | | |
| ⁿ 600 | PUB | 29 | pР | FAIR | 2 | 20 | v | GOOD | Pg | GOOD . | 14' | UnNR | F | FAIR | N |
| 320 | PUB | 10 | pP | GOOD | 2 | 20 | v | GOOD | pP | GOOD | 14' | UnNR | F | FAIR | N |
| 320 | SEC | 5 | pP | GOOD | 3 | 20 | С | GOOD | pР | GOOD | 14' | ACC | F | FAIR | N |
| 190 | PUB | 3 | Pq | GOOD | 3 | 5 | С | GOOD | рР | GOOD | 14' | UnN | F | POOR | N |
| | PRV | 5 | рР | GOOD | 3 | 15 | с | GOOD | pP | GOOD | 14' | ACC | F | FAIR | N. |
|) 225 | SEC | 5 | рР | GOOD | 3 | . 10 | с | GOOD | pP | GOOD | 14' | ACC | F | GOOD | N |
| 240 | PRV | 4 | pP, | GOOD | 2 | 15 | v | GÓOD | pР | GOOD | 14' | UnN | F | FAIR | N |
| | : | | | · . | • | •. | • | · · · | - | | - - | | : | | |
| | 720 500 190 m 600 320 y 320 y 190 ce 450) 225 | 720 SEC 500 190 190 - m 600 PUB 320 PUB y 320 SEC 190 - - y 320 SEC 225 SEC DPU - | 385 SEC 2/cell 720 SEC 2/cell 500 - - 190 - - 190 - - m 600 PUB 29 320 PUB 10 y 320 SEC 5 190 SEC 5 225 SEC 5 DPU 3 3 | 385 SEC 2/ cell pBR 500 SEC 2/ cell pBR 500 - - 190 - - 190 - - 190 - - m 600 PUB 29 320 PUB 10 pP 320 SEC 5 pP y 320 SEC 5 pP 190 PUB 3 pP 225 SEC 5 pP 225 SEC 5 pP | 385 SEC $2/$ $Cell pBR GOOD 720 SEC 2/Cell pBR GOOD 500 - - - 190 - - - 190 - - - 190 - - - 190 - - - 190 - - - 190 - - - m 600 PUB 29 pP 320 PUB 10 pP GOOD y 320 SEC 5 pP GOOD y 320 SEC 5 pP GOOD 190 PUB 3 pP GOOD Ce 450 PRV 5 pP GOOD 225 SEC 5 pP GOOD 225 SEC 5 pP GOOD $ | 385 SEC $2/$ cell pBR GOOD 2 720 SEC $2/$ cell pBR GOOD 2 500 - - - - 190 - - - - 190 - - - - 190 - - - - 190 - - - - 190 - - - - 190 - - - - 320 PUB 29 pP FAIR 2 320 PUB 10 pP GOOD 2 y 320 SEC 5 pP GOOD 3 190 PUB 3 pP GOOD 3 190 PUB 3 pP GOOD 3 190 PUB 5 pP GOOD 3 225 SEC 5 pP GOOD 3 | 385 720 SEC $2/Cell pBR GOOD 2 5 500 190 190 190 190 m 600 PUB 29 pP FAIR 2 20 320 PUB 10 pP GOOD 2 20 Y 320 SEC 5 pP GOOD 3 20 190 PUB 3 pP GOOD 3 15 ce 450 PRV 5 pP GOOD 3 10 225 SEC 5 p$ | 385 720 SEC 2/ cell pBR GOOD 2 5 pCT 500 190 190 190 190 190 320 PUB 10 pP GOOD 3 20 C 320 SEC 5 pP GOOD 3 15 C 190 PUB 3 pP GOOD 3 10 C 225 SEC 5 pP< | 385 720 SEC $2/Cell pBR GOOD 2 5 pCT FAIR 500 190 190 190 190 320 PUB 29 pP FAIR 2 20 V GOOD 320 SEC 5 pP GOOD 3 20 C GOOD 190 PUB 3 pP GOOD 3 15 C GOOD 225 SEC 5 pP GOOD 3 10$ | 385 < | 385 | 385 . | 385 <t< td=""><td>385 </td><td>385 </td></t<> | 385 | 385 |

Criteria

| Courtman | Tone: A subject |
|--|--|
| Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed (source fact formation in the solution facilities are surveyed (| Tons: A subjective evaluation of the color tone of the room based on the following rating scale: |
| rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page, (square footage, type of access, finite facing page, | on the following rating scale: |
| (square fortage in the table on facilities are surveyed for | Bright and w |
| all of the information in the table on the facing page, (square footage, type of access, finish, acoustics, etc.) | Percent (1) of us in |
| | Paragent the Automation and Automation |
| surveyed for only the square footage. | Percent (1) of Windows: The approximate percentage of the total wall area of the room which is composed of glasses |
| Other | and wall area of the room which is correctage of the |
| not survival such as closets, restance | total wall area of the room which is composed of glass. |
| Other areas such as closets, restrooms, elevators and stairways are not surveyed at all. | Neight: The floor to ceiling height. |
| | |
| | ACOUSTICS The acceptability of the acoustics of each room is based upon measurements of ambient noise level (dbA), and upon the based |
| Definition | characteristics of ambient noise acoustics of each room is bernd |
| Definitions | shall constices (fluctor scho and rever (dba), and upon reverbase |
| | upon measurements of ambient noise level (nbA), and upon reverberance characteristics (flutter echo and reverberation time). |
| AREA Total floor area including | Rating Explanation |
| AREA Total floor area including work space, circulation space, and storage in square feet. | |
| ACCESS The degree to which public entry into a room is restricted. | Acc Acceptable: Noise level and reverberation time are within standards for each room function; fluct |
| Line degree to which public entry into a recent | within standards for each room function; flutter echo is absent or slight. |
| Symbol Explanation Symbol Explanation | as abaght or slight. |
| | Un N Unacceptable: Noise level exceeds standard or inter- feres with room function. |
| Pub Public: Access is unrestricted to general public. | feres with room function exceeds standard or inter- |
| Prv Bringer Bringer | |
| | Un R Unacceptable: Noticeable flutter echo or excessive reverberation time. |
| doors, counters, or graphics. | Exclusion time. |
| Sec Secure: Access is restricted by guard, receptionist, | Un NR Unacceptable: Both Un N and Un Re |
| or locked doors. | |
| NUMBER OF LICENE | LIGHTING |
| and spectators, based upon current furnishing. | · Type: Rofers to type of light fixtures in the room. |
| FINISH | I - Incandescent $I/R = Contribution$ |
| Mainfals (Mat): | r - Fluorescent - Combination income |
| | Level: Ratings of the acceptability of light in the room are footcandles) and the acceptability of light herein are |
| Frejizes Color | based upon comparisons between the measured light in the room are footcandles) and the accepted standards of light requirement |
| | footcandles) and the accent the measured light low are |
| P - Painted Approved | footcandles) and the accepted standards of light in the room are for the functions performed in the room.* |
| P - painted ABY - Asbestos Tile CK - Cork S - Stone g - glazed AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound t - textured AT - Acoustic Tile CT - Concrete | |
| t - textured AT - Acoustic plaster CRT - Ceramic mile of - Stone | Good Explanation |
| B - Brick CT - Concrete Abcorbing | |
| UC - Brokesse G - Glass - Maorbing | or equal accepted standards. |
| L - Carnet - MAral | Light levels f |
| CB - Concrete Block pp Flaster W - Wood | Fair Light levels for some functions are standard; Others are substandard. |
| | Light levels for all functions |
| Paneling | Poor Light levels for all functions are substandard. |
| Rating Explanation | Conditioning The symbols indicate the |
| | AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room, |
| | Symbol |
| preventive maintenance is sufficient damage. Continued | N Explanation |
| and the second s | and air conditioning present |
| Pair Condition of | Contral air conditioning |
| Pair Condition of surface indicates some damage. Small scal, repairs and corrective maintenance are necessary to retard deterioration of condition. | W Window six conductioning. |
| to retard deterioration of condition. | W Window air conditioning units. |
| Poor Condition | R Room air-conditioning units |
| | (a) w |
| scale corrective maintanance is racessary to prevent | (n)W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W. |
| the finish. Is hecessary to prevent | units would be entered as (3)W. |
| | (J)W. |
| | |
| * Refer to tachning and | |
| * Refer to technical information section for further explanation | |
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| | | | | | | |] | ·- * | | | | | | | | |
| | AREA | • | # of | | WALL | S | | FI | OORS | | CEILIN | GS | | LIG | HTING | |
| ROOM | | ACC- ESS | US- ERS | Mat | Condtn | Tone | % of Wind | Mat | Condtn | Mat | Condtn | Ht | ACOU- STICS | Туре | Level | AIR COND |
| Probation Off.#1(S) | 300 | PUB | 3 | pP/ pW | GOOD | 2 | 5 | С | FAIR | pР | GOOD | 14' | UnN | F | GOOD | N |
| Probation Off.#2 (S) | 220 | PRV | 6 | pP/ pW | FAIR | 2 | 25 | с | FAIR | pР | GOOD | 14' | ACC | F | GOOD | N |
| Hearing Rm. (S&P) | 560 | PUB | 29 | рР | GOOD | 3 | 20 | V | FAIR | qq | GOOD | 14 | UnN | F | POOR | N |
| Lobby | 1120 | PUB | 39 | pР | FAIR | 2 | 0 | gBR | GOOD | pР | GOOD | 14' | ACC | F | POOR | N |
| Custodian & Information | 190 | PUB | 4 | pР | GOOD | 3 | 15 | v | FAIR | рР | GOOD | 14' | ACC | F | FAIR | N |
| } | | 1 | 1 | 1 | | | | 1 | | | | 1 | 1 | 1 | 1 | 1 |

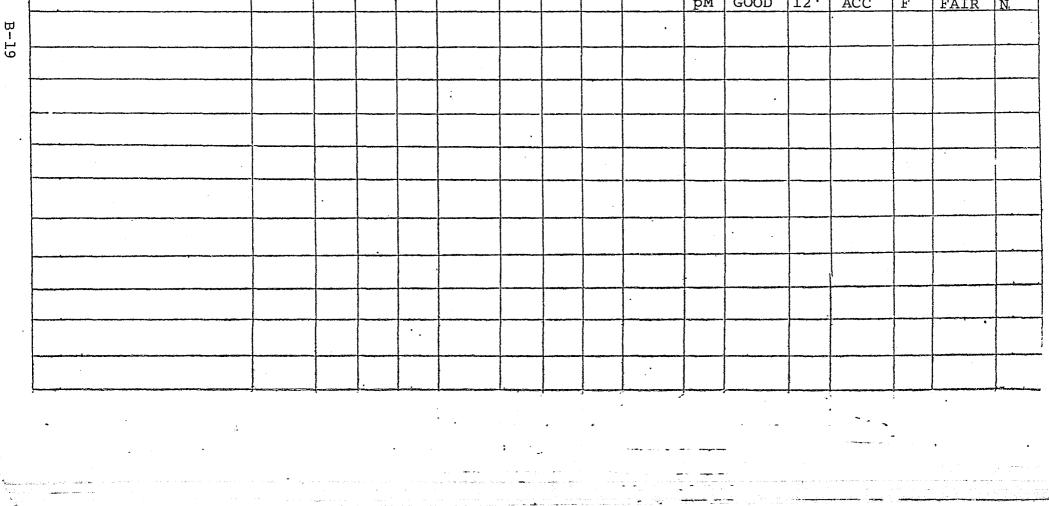
| SECOND FLOOR | | | | | | | | | • | | | | | | | <u> </u> |
|--|------|---|-------------------------|-----------|-----------|-----|----|----|------------|-----------|------|----------------|----------|------------|------|----------|
| Court Reporter (S) | 145 | PRV | 2 | pР | GOOD | 3 | 5 | С | FAIR | рР | GOOD | 11' | ACC | F | FAIR | N |
| Judge's Lobby (S) | 230 | PRV | 6 | p₽∕ WP | : GOOD | 3 | 10 | C | GOOD | ٩q | GOOD | 11' | ACC | F | GOOD | N |
| Main Courtroom (S) | 2575 | PUB | 200 | pP/ WP | POOR | 3 · | 20 | С | FAIR | pP/ Ma | GOOD | 22' | UnR | I | POOR | N |
| Jury Deliberating Rm. West (S) | 235 | SEC | 12 | pP | GOCD | 4 | 15 | V | GOOD | pP | GOOD | 11' | UnN | F | GOOD | N |
| Jury Deliberating Rm. East (S) | 235 | SEC | 12 | Pq | GOOD | - 4 | 15 | v | GOOD | рP | GOOD | 11' | ACC | F | FAIR | N |
| Lawyer's Room (S) | 280 | PUB | .6 | pP | GOOD | 3 | 25 | v | GOOD | pP | GOOD | 11' | ACC | F | GOOD | N |
| District Attorney (S) | 280 | PRV | 7 | pP . | GOOD | 4 | 25 | C. | GOOD | pP | GOOD | 11' | ACC | F | GOOD | N |
| Law Library | 5220 | PUB | 18 | pP/ BC | GOOD | 3 | 25 | v | FATR | АТ | GOOD | 22' | ACC | F | FATR | N |
| | | | | ••• | | | | | | | | | | | | |
| ματικά το μαχαλιμή την οργγατική ματηγοριατική στο ματική το στη δημητική στο μητική το ματηγοριατική στο βαλα | | | | | | | | | | | | | | ŀ | | |
| Yanan Manan Kanan Balanga na kangan kanan mangan di kangkangkangkan di kang kangan kanan kang kang kang kang k | | n f - 100 100 - 100 - 1 00 - 1 | - yerranistanistanister | handr | | | ÷ | | | | | - J | | - } | | |
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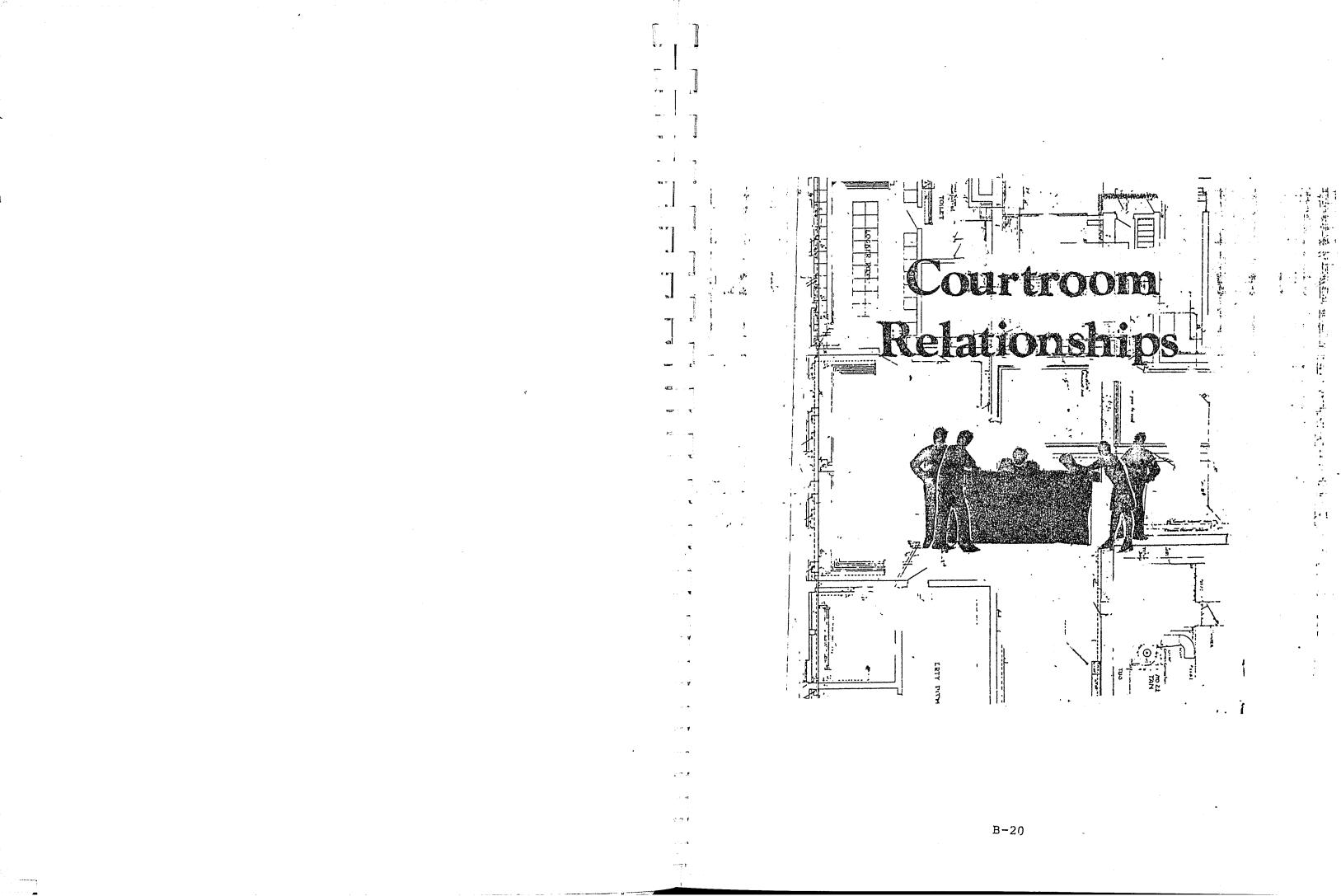
Tone: A subjective evaluation of the color tone of the room based on the following rating scale: Criteria Bright and Cheerful Drab and Austere Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for 3 all of the information in the table on the facing page, (square footage, type of access, finish, acoustics, etc.) Percent (%) of Windows: The approximate percentage of the total wall area of the room which is composed of glass. Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage. Height: The floor to ceiling height. Other areas such as closets, restrooms, elevators and stairways are not surveyed at all. ACOUSTICS The acceptability of the acoustics of each room is based ·upon measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter echo and reverberation time). Rating Explanation Definitions Acceptable: Noise level and reverberation time are Λcc AREA Total floor area including work space, circulation space, and . storage in square feet. within standards for each room function; flutter echo is absent or slight. ACCESS The degree to which public entry into a room is restricted. Unacceptable: Noise level exceeds standard or inter-Un N feres with room function. Symbol Explanation Un R Unacceptable: Noticeable flutter echo or excessive Public: Access is unrestricted to general public. reverberation time. ₽սհ Private: Access is partially restricted by means of Un NR Unacceptable: Both Un N and Un R Prv doors, counters, or graphics. Secure: Access is restricted by guard, receptionist, LIGHTING Sec Type: Rofers to type of light fixtures in the room. or locked doors. NUMBER OF USERS The estimated seating capacity of a room for users and spectators, based upon current furnishing. I/F - Combination incandescent/ I - Incandescent F - Fluorescent fluorescent *Level:* Ratings of the acceptability of light in the room are based upon comparisons between the measured light levels (in FINISH Materials (Mat): footcandles) and the accepted standards of light requirements for the functions performed in the room.* Prefixee Coles Explanation Rating p - painted ABT - Asbestos Tile CX - Cork S - Stone g - glazed AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound t - textured AT - Acoustic Tile CT - Concrete Absort B - Brick G - Glass T - Terrax BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Wood Light levels for all functions of the room exceed Good or equal accepted standards. Light levels for some functions are standard; others are substandard. Absorbing Fair T - Terrazzo V - Vinyl W - WoodLight levels for all functions are substandard. Poor PR - Paper CB - Concrete Block WP - Wood AIR CONDITIONING The symbols indicate the type of air Paneling Condition (Condtn): conditioning, if present, in the room. Explanation Symbol Rating Explanation N No air conditioning present. Condition of surface shows no sign of damage. Continued Good Central air conditioning. preventive maintenance is sufficient to maintain this С condition. Window air conditioning units. W Condition of surface indicates some damage. Small Fair Room air-conditioning units R scals repairs and corrective maintenance are necessary to retard deterioration of condition. Indicates multiple window units, (e.g., 3 window (n) W units would be entered as (3)W. Condition of surface indicates severe damage. Large Poor scale corrective maintenance is recessary to prevent complete loss of the finish.

* Refer to technical information section for further explanation

| | | - Refer to technica. | T THIOTHERITON BEGETON FOR | | | |
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| | ning prositional pros | атарана (анг.) — философия самар солов — формал тамара | antana ang ang ang ang ang ang ang ang ang | an a | | |
| | 2 7 4 1 | | st Albar | | | · · · · · · · · · · · · · · · · · · · |

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|------------------------|-------|-------------|------------|-----|--------|------|--------------|--------|--------|------------|--|-----|----------------|----------|-------|-----|
| | AREA | | ‡ of | | WALLS | | | FLOORS | | CEILIN | | IGS | | LIGHTING | | |
| ROOM | - 1 | λCC- ESS | US- ERS | Mat | Condtn | Tone | % of Wind | Mat | Condtn | Mat | Condtn | Ht | ΛCOU- STICS | Туре | Level | AIR |
| THIRD FLOOR | | | | | | | | | | | | | | | | |
| Pre-trial Serv.#1(west |) 360 | PRV | 3 | pР | FAIR | 2 | 25 | W | FAIR | PP/ Mq | GOOD | 12' | ACC | - T | FAIR | N |
| Pre-trial Serv.#2(mid. |) 455 | PUB | 14 | Pq | POOR | 2 | 20 | W | FAIR | pP/ pM | GOOD | 12' | ACC | F | GOCD. | N |
| Pre-trial Serv.#3(est) | 360 | PUB | 3 | pP | POOR | 2 | 25 | ĨŴ | FAIR | ′p₽∕ pM | States of the local division of the local di | 12' | ACC | I | FAIR | N |
| Jury Pool West(S) | 220 | PRV | 29 | pP | FAIR | 3 | 20 | v | GOOD | P¶ Mq | GOOD | 12' | UnN | न | FATR | N |
| Jury Pool East (S) | 220 | PRV | 16 | pP | FAIR | 3 | 20 | v | GOOD | pP/ | COOD | 121 | | F | | NT |





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| | | | | | | | | r | | 1 | 1 |
| | | | | | | (| | | Main | 2nd | Hear- |
| | | | | | | - | 7 | | Sup. | Session | n ing |
| • | | | | | | Mada - 1 | | JUDGE | <u></u> | | |
| | | | | | | | | Can the Judge see the entire courtroom? | Yes | Yes | Yes |
| | | | | | | | - | Can the Judge hear the Witnesses clearly? | Yes | Yes | Yes |
| | | | | | | an I | | Can the Judge hear the Attorneys clearly?* | Yes | Yes | Yes |
| | | | | | | | 7 | Is the Judge's lobby adjacent to the courtroom? | NO | No | No |
| | | | | | | *** | 3 | Is there a bathroom in the Judge's lobby? | Yes | Yes | |
| | | | | | | e e e e e e e e e e e e e e e e e e e | L | Is the Judge's lobby private? | Yes | Yes | |
| | | | | | | | 1 | Is the Judge's lobby secure? | No | Yes | |
| | | | | | | | 4 4 | JURY | | | |
| • • | | | | | | | | What size jury can the courtroom accomodate? | 12 | 12 | No jury |
| | | | | | | | x) | Approximately how far are jurors from public? | 30' | 20' | |
| | | | | | | | x, | Approximately how far are jurors from litigants? | 20' | 10' | |
| • 6 | | | | | | | | Can the Jurors see Witnesses at full face? | Yes | Yes | |
| | | | | | | 1849 - T | · • | Can the Jurors see the Judge at full face? | Yes | Yes | |
| | | | | | | | | Can the Jurors see the Prosecutor & Defense Attorney?* | Yes | Yes | |
| | | | | | | | · • • | Are Jurors on same side of Judge as Witnesses? | Yes | Yes | |
| | | | | | | 197-1 | n - N | Can the Jurors hear Attorneys clearly?* | Yes | Yes | |
| | | | | | | | | WITNESSES | | • | |
| | | | | | | | | Can Witnesses see Judge & Attorneys? | Yes | Yes | Yes |
| | | | | | | | म् . म ् | Does the Witness Box have a microphone? | No | No | No |
| | | | | | | 25 | | ATTORNEYS | | | , |
| | | | | | | e . • | . | Can Attorneys see the Jury? | Yes | Yes | |
| | | | | | | | | Can Attorneys hear the Judge clearly? | Yes | Yes | Yes |
| | | | | | | | | * When Attorneys are in their usual locati | ons | | • |
| | | | | | | } ₹ | | | | | |
| | | | | | | | 1. | B-21 | | | |
| ~~~~~~ | | | | | | | | | | i 4 | |
| Processor 1 | | | • | | | | ł | | | | |

| | | | Main Sup. | 2nd [.] Session | Heat |
|--------------------|--|--|--------------|-----------------------------|------|
| | .s | ATTORNEYS (continued) | | | |
| | | Can Attorneys hear the Witnesses clearly? | Yes | Yes | Yes |
| | te 📕 | Approximately how far is the defendant from counsel? | 5' | Adj. | 5' |
| | | Are Lawyer conference rooms conveniently located? | No | No | No |
| | • | COURT OFFICERS | | | |
| | | Do Court Officers have a designated place in courtroom? | Yes | Yes | Yes |
| 4 | • • • • | Are they near enough to defendant to restrain him? | No | No | Yes |
| | | Is there a Court Officer located between Jury & public? | Yes | No | |
| | | Is a Court Officer located so that he can protect Judge? | No | Yes | Yes |
| | , 1997 | PROBATION OFFICERS | | | |
| | | Is there a space for the Probation Officer and his records? | Yes | . Yes | Yes |
| | and the second | DEFENDANT | | | |
| | ₩ • • • • • • • | Can the Defendant hear the Judge clearly? | Yes | Yes | Yes |
| | | Can the Defendant hear the Attorneys clearly?* | Yes | Yes | Yes |
| | | Can the Defendant hear the Witnesses clearly? | No . | Yes | Yes |
| | फ्रे क्ट्रा क्रु. जो | GENERAL | | | |
| | in the second se | Is there an alarm system? | No | No | No |
| | | Does the courtroom have a blackboard? | Yes | Yes | No |
| , | with the second se | Can the courtroom be darkened for visual aids? | Yes | Yes | Yes |
| | | Is there a clock? | Yes | Yes: | No |
| | | PUBLIC | ······ | | |
| | • | Is the Public seating comfortable? | No | Yes | Yes |
| | | Does the press sit in the public area? | No | Yes | Yes |
| $\mathbf{\hat{v}}$ | | | | | |
| \mathbf{h} | | | | | 1 |
| |),) 12.) | - · · | | | |
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ADDITIONAL COMMENTS

MAIN COURTROOM

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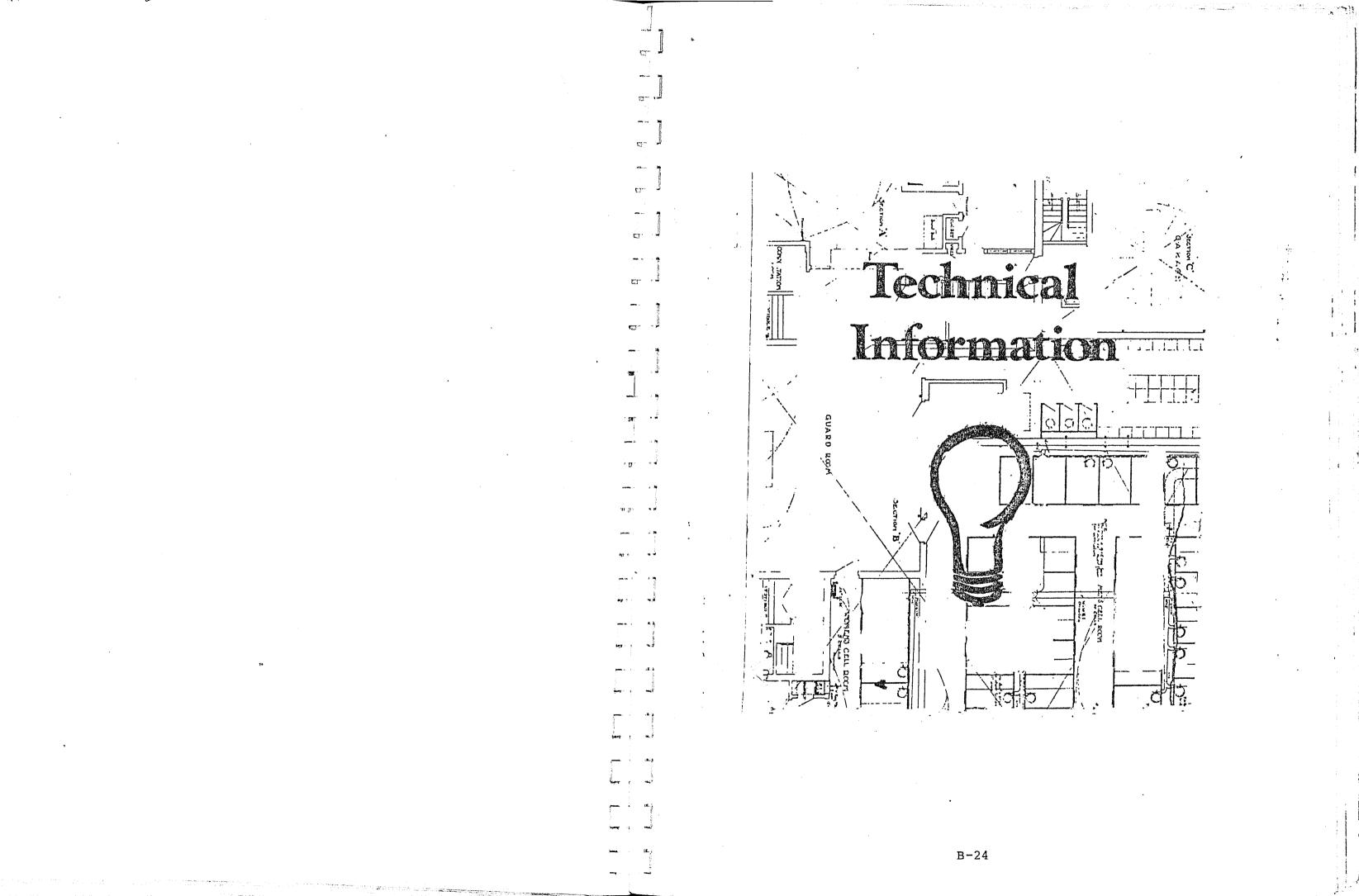
This is a very large courtroom. There are fireplaces on either side and a small dome in the ceiling. The public seating is very uncomfortable.

SECOND SESSION

This room was not originally intended to be used as a Superior Courtroom. It is very small; because of its layout there is virtually no public seating. The jury box consists of twelve seats behind a temporary bar. This room also has a fireplace. This courtroom is also used by the Probate Court.

HEARING ROOM

This room is similar to the second session. However, the furniture is arranged differently, accommodating some public seating. Again, there is a fireplace. The Probate Court uses this room when there is a double Superior Court session. It was originally the Grand Jury Room.



ACOUSTICS

the int Norther is background noise; that is, an average noise level attributed to sources such as air rushing through ventilators, outside street traffic noise, flourescent balast hum, and others.

The noise level, for this study, was measured in decibels on an A-weighted scale (dBA units). The A-weighted scale compensates for human hearing deficlucicles by adjusting the sound levels at each end of the audible frequency spectrum. For a detailed explan-ation of acoustic measurement, please refer to Sound Control Control For comparison, a table of typical noise levels and optimum background sound levels follows.**

| | Source/Room | Level (dBA) |
|---------|-----------------------|-------------|
| Typical | Aircraft (near plane) | 140 |
| | Person shouting | 30 |
| | Average conversation | 50 |
| Oprimum | Conference room | 35 |
| - · | Private offices | 35 - 45 |
| | Large general offices | 45 |
| | Stenographic offices | 50 - 60 |
| | Courtroom | 35 - 45 |

Field measurements were made with either of two Bruel 6 Kjaer sound level meters, model title fither of two Bruel 6 Kjaer sound level meters, model title for two Bruel These are equipped with microphones which are nearly omnidirectional. The frequency response for the *2206 is 4Hz to 16KHz (- 2dB). The frequency response specifications for the #2203 are quite lengthy. (Instruction manual has specifics).

Eluster Isho occurs when a sound wave bounces continually between two parallel, acoustically reflec-tive surfaces. The magnitude of the sound has to be at an audible level, and the time between bounces must be great enough to make the noises distinguishable as separate sounds. Flutter echo usually sounds like a series of short pings.

To estimate flutter echo, a researcher claps his hands, producing an impulse sound, and then listens for its presence.

Fourier rision time is the duration of sound reflection in a space. It is defined as the time (in seconds) after a constant noise source ceases, that it takes for the original sound pressure level to decrease by one thousand (60 dB). The presence of flutter echo and reverberation times in this study were estimated

To estimate the reverberation time, a researcher coughs, producing a loud sound, and then listens for the rate of decay of the cough.

*Sound Control Construction, Second edition, prepared by the United States Gypsum Co., Chicago, Illinois 1972.

**Sound Control Construction, except for the courtroom data, which was obtained from Mr. Robert Newran, Professor of Architecture, Massachusetts Institute of Technology

***Illuminating Engineering Society, IEC Wighting Histibook, New York: McGraw-Hill, 1964

LIGHTING

The ratings for lighting acceptability are based upon the accepted standards of light intensity as listed in IES (Illumination Engineering Society) Handbook***. These standards provide a comprehensive listing of the levels of light required for a multitude of tasks.

The standards specify required light levels in foot candles. (One foot candle is defined as the intensity of the light produced by one candle at a distance of one foot). For a given light source, the intensity of the emitted light is inversely proportional to the square of the distance between the source and the point of measurement; for example, if the intensity of a light source was measured as being 400 footcandles at a distance of one foot, at a distance of two feet, the intensity would drop to 100 footcandles. For this reason, the lighting standards refer to light intensity at the work surface. The following table of light requirements, which is representative of court activities, is an extract of a more exhaustive listing in the IES Bandbook. ***

Required

| Room | Function | Eight (Footcandles) |
|-------------------------|---|---------------------|
| Courtrooms | seating area court activity area | 30 70 |
| Library . | reading printed máterial study and note taking | L 30. 70 |
| Conference Room | interviewing | . 30 |
| Offices (Accounting) | auditing, tabulating, bookkeeping, business machine operation, compu operation | 150 |
| Offices (General) | Reading poor reproduc- tions, business machine operation, computer operation | 150 |
| · · | Reading handwriting in hard pencil or on poor paper, reading fair reproductions | 100 0- |
| | Reading high contrast or well printed materials. | 30 |
| Police | Jail cells | 30 |

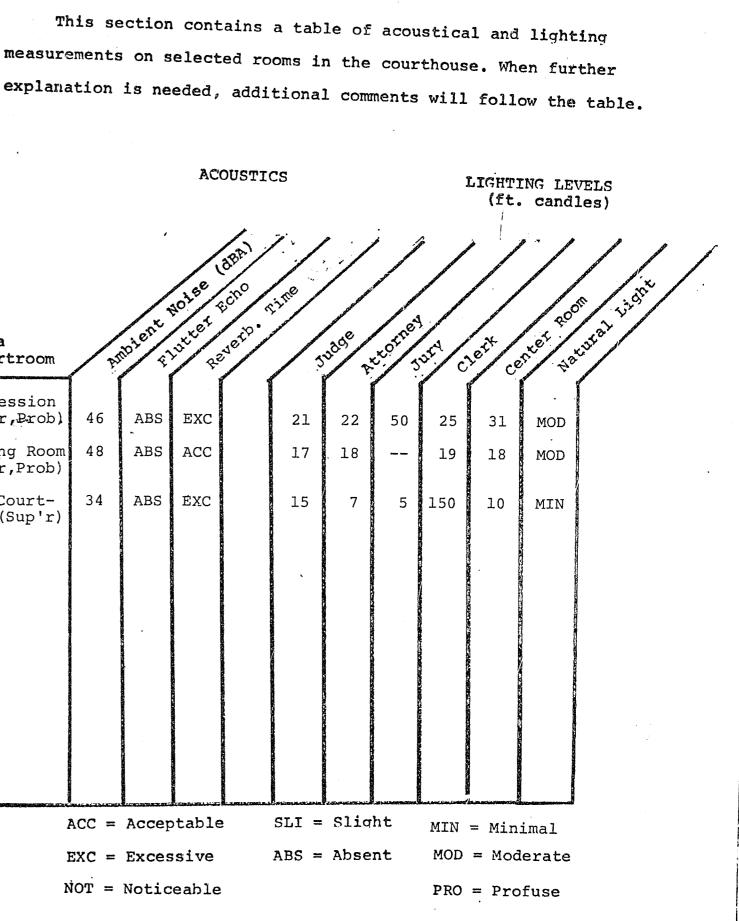
Field measurements are made with GE 213 light meter. This meter is color and cosine corrected to give a linear response (accuracy ±15).

Light intensity is not the only factor affecting the illumination of a room. Natural light (sunlight, shaded light and overcast conditions) has a marked affect on the lighting level of a room. Glare from harsh lighting can hinder the ability of the occupants of the room to read and record information. These conditions, as well as other factors affecting the lighting, such as special deficiencies or annovances. lighting, such as special deficiencies or annoyances, are noted when pertinent.

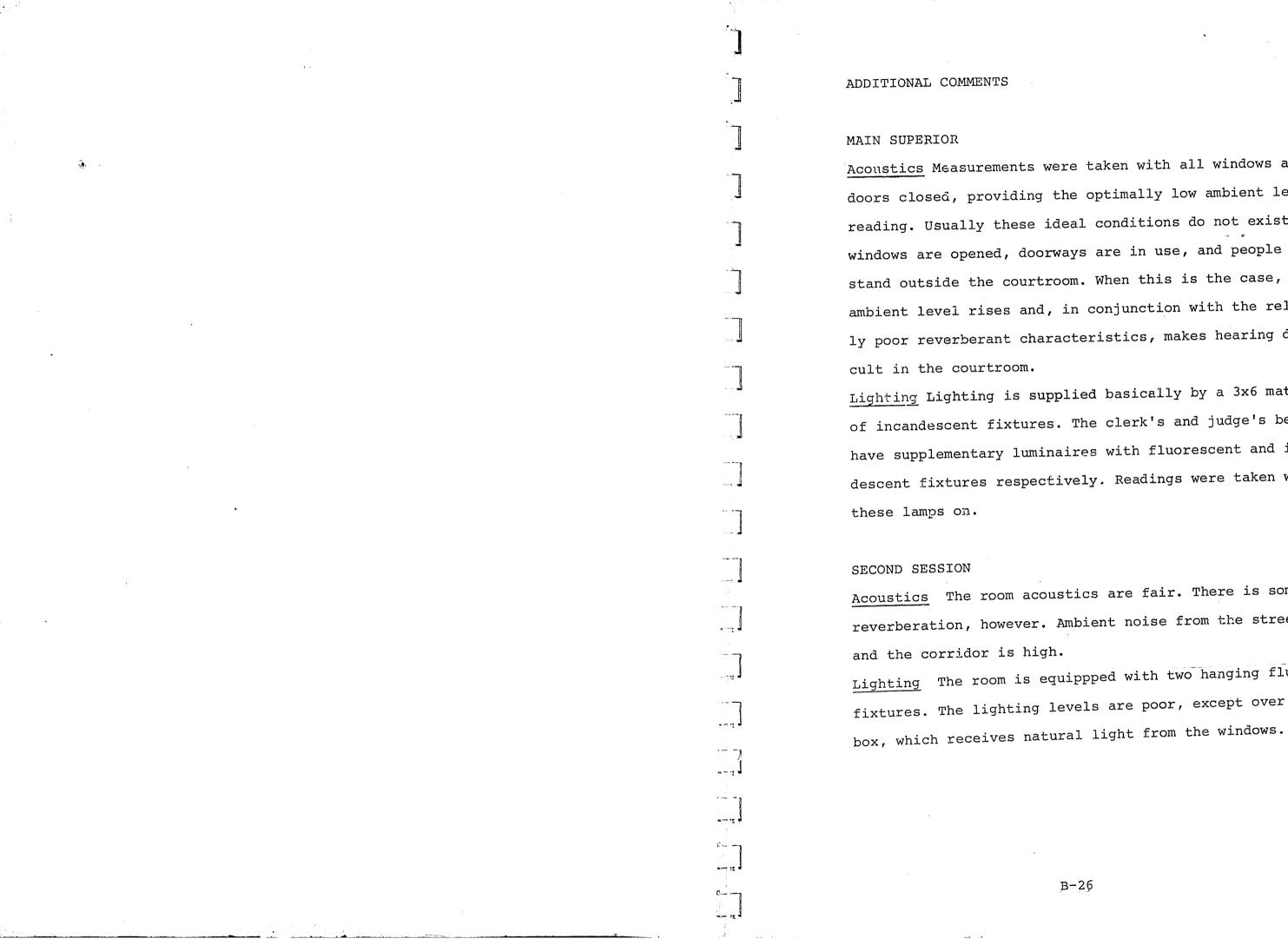
measurements on selected rooms in the courthouse. When further

ACOUSTICS

| | | | , | | and l | 7. | |
|--|--------------------------|-------|----------|------------|---------------|-------|----------------------|
| ************************************** | | | | olse | ot of | ine | * * |
| | Area Courtroom | PI | abient " | Jul Let Re | veip | | 5 |
| ы і р | d Session up'r,Prob) | 46 | ABS | EXC | | 21 | |
| n. 1 34 n 1 7 4 N | aring Room up'r,Prob) | 48 | ABS | ACC | | 17 | TRACTOR STREET, SALE |
| | in Court- om (Sup'r) | 34 | ABS | EXC | | 15 | |
| | | | | | | | |
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| بر بر المراجع الم | | ACC = | Accep | otable | RLINIIN/DMLAJ | SLI = | ية. : |
| r wit | | | Exces | | | ABS = | : |
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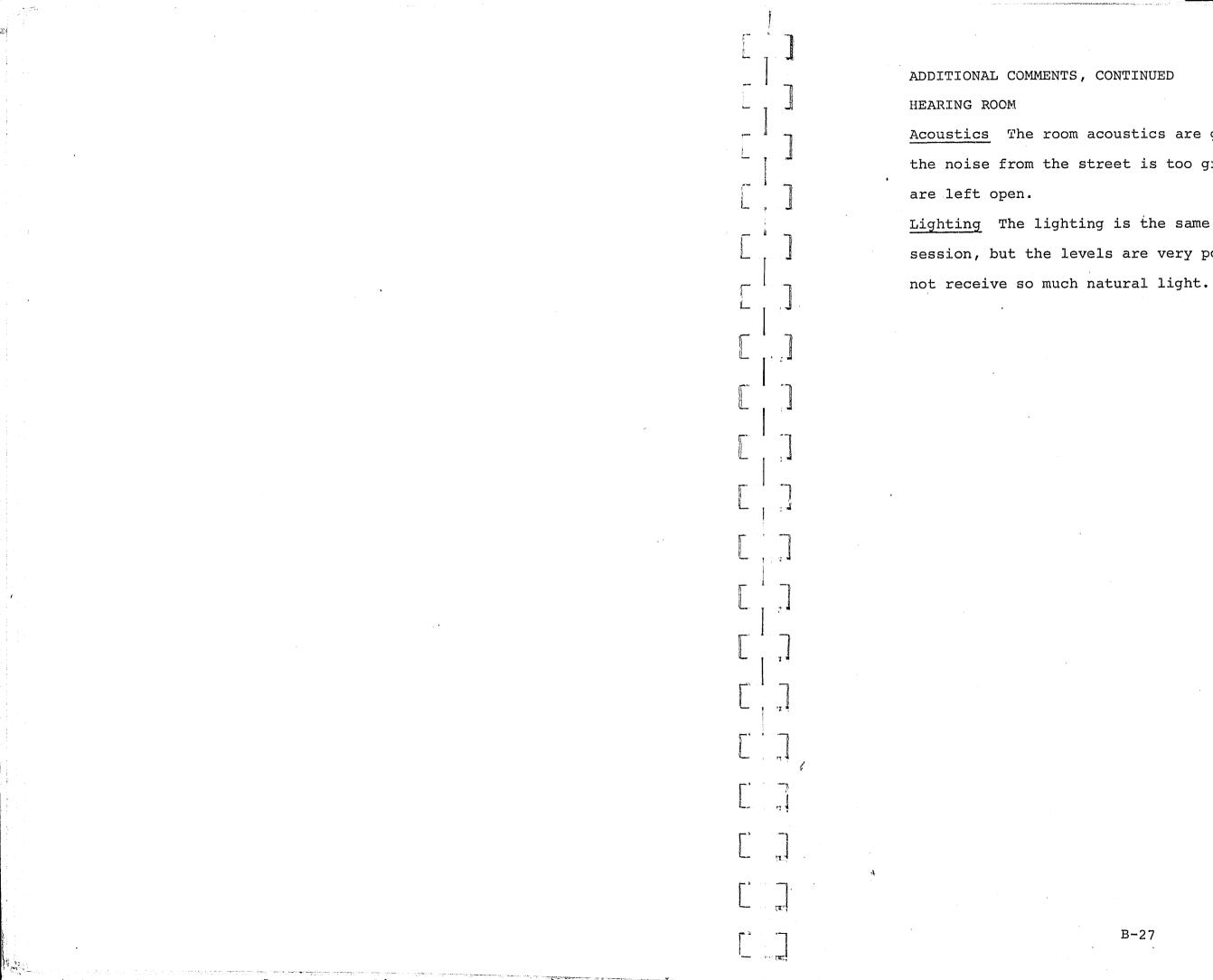


Acoustics Measurements were taken with all windows and doors closed, providing the optimally low ambient level reading. Usually these ideal conditions do not exist: windows are opened, doorways are in use, and people stand outside the courtroom. When this is the case, the ambient level rises and, in conjunction with the relatively poor reverberant characteristics, makes hearing diffi-

Lighting Lighting is supplied basically by a 3x6 matrix of incandescent fixtures. The clerk's and judge's benches have supplementary luminaires with fluorescent and incandescent fixtures respectively. Readings were taken with

Acoustics The room acoustics are fair. There is some reverberation, however. Ambient noise from the street

Lighting The room is equippped with two hanging fluorescent fixtures. The lighting levels are poor, except over the jury



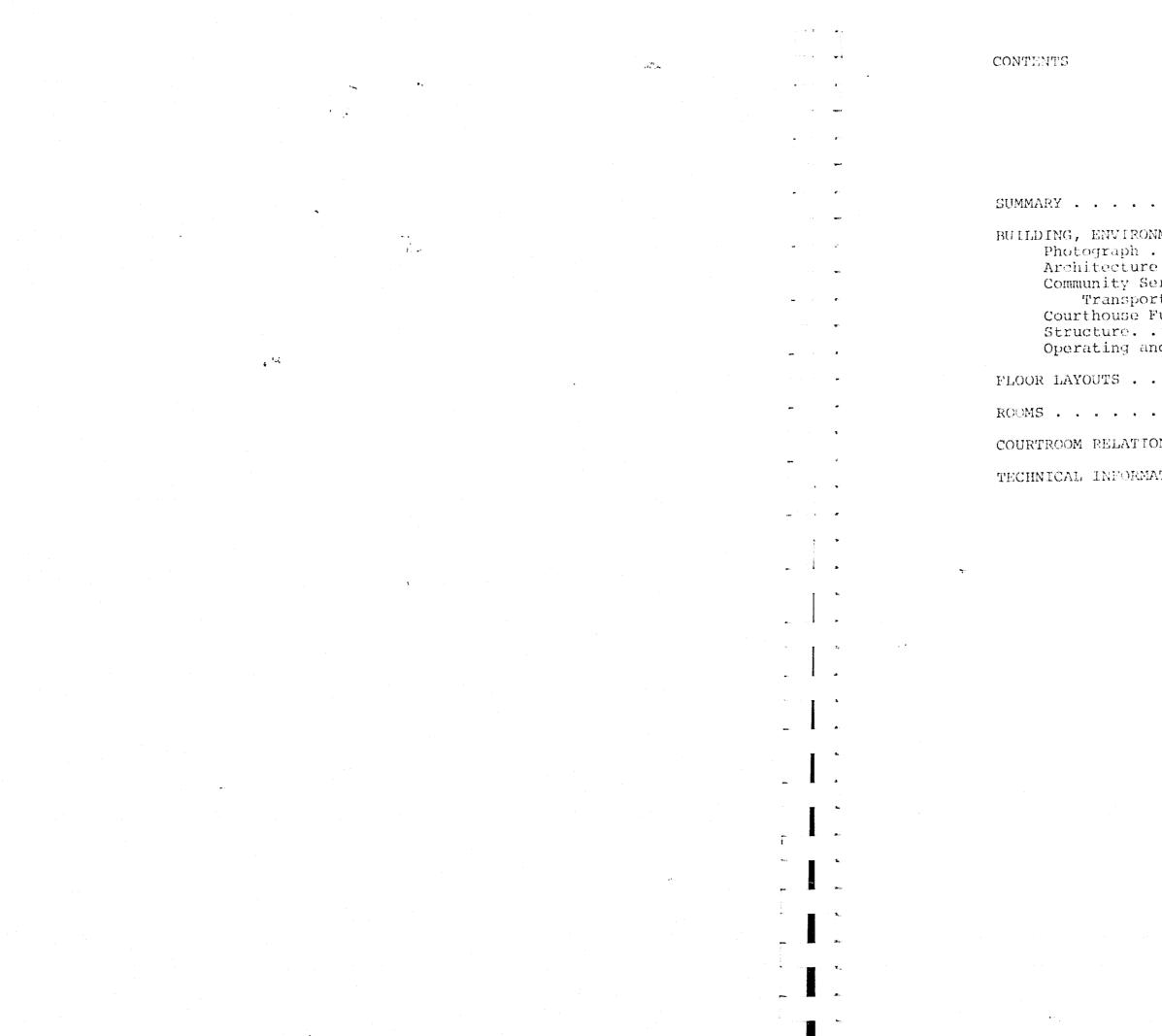
Acoustics The room acoustics are good, but once again the noise from the street is too great when the windows

Lighting The lighting is the same as for the second session, but the levels are very poor because it does

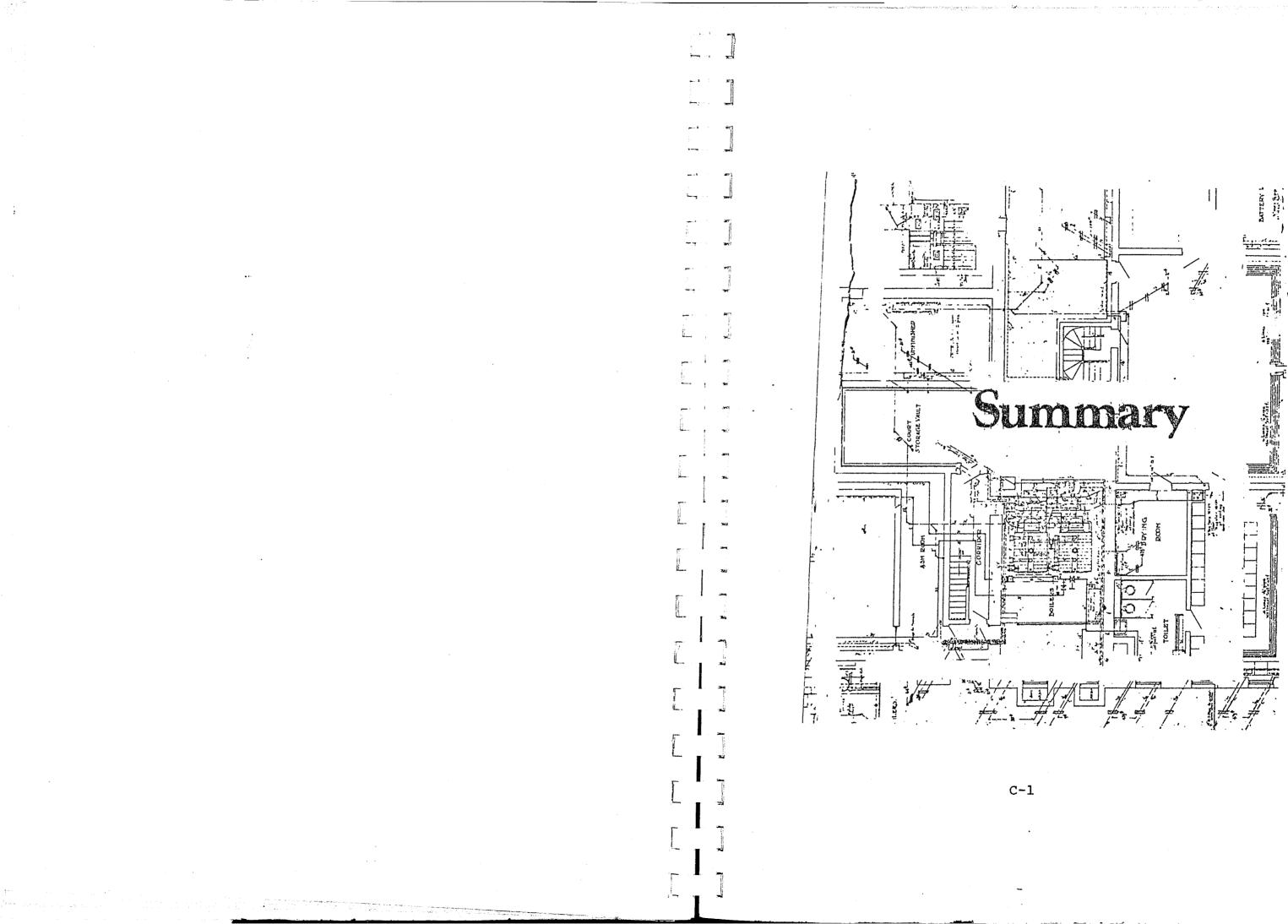
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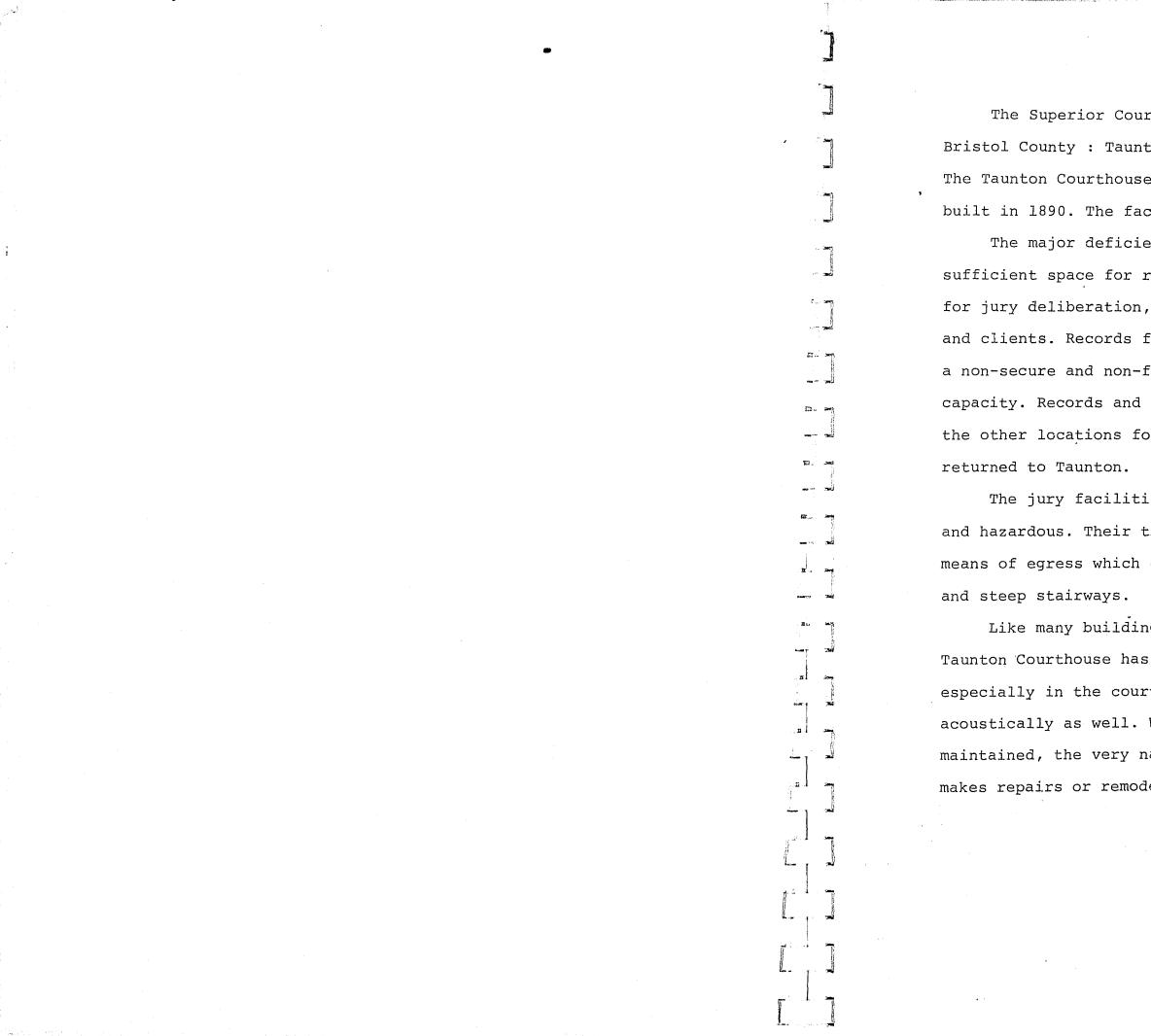
C

THE SUPERIOR COURT IN BRISTOL COUNTY (TRUNTON)



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|----|-----|-----|----|-----|----|----|-----|----|---------------------------------|-----|---|---|---|------------------|----|--|
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| e | | | | • | • | • | • | 4 | ٠ | ٠ | • | e | ٠ | \mathbb{C}^{+} | ٤, | |
| er | ve | d, | N | lei | gh | bo | rh | ം | $\hat{\mathbf{q}}_{\mathbf{r}}$ | | | | | | | |
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| nd | M | lai | nt | .en | an | CE | e C | os | ts | • | • | • | • | С | 9 | |
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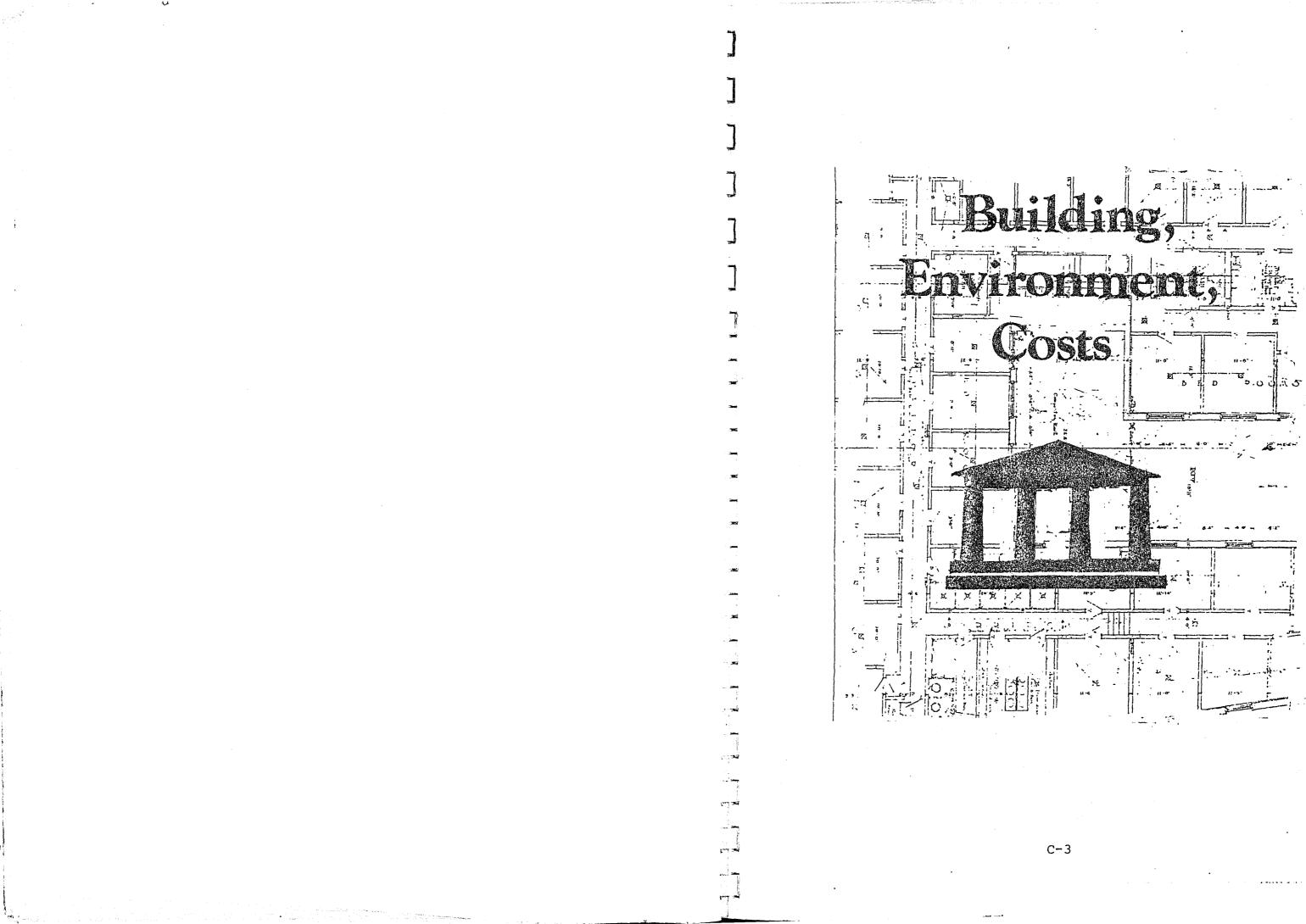


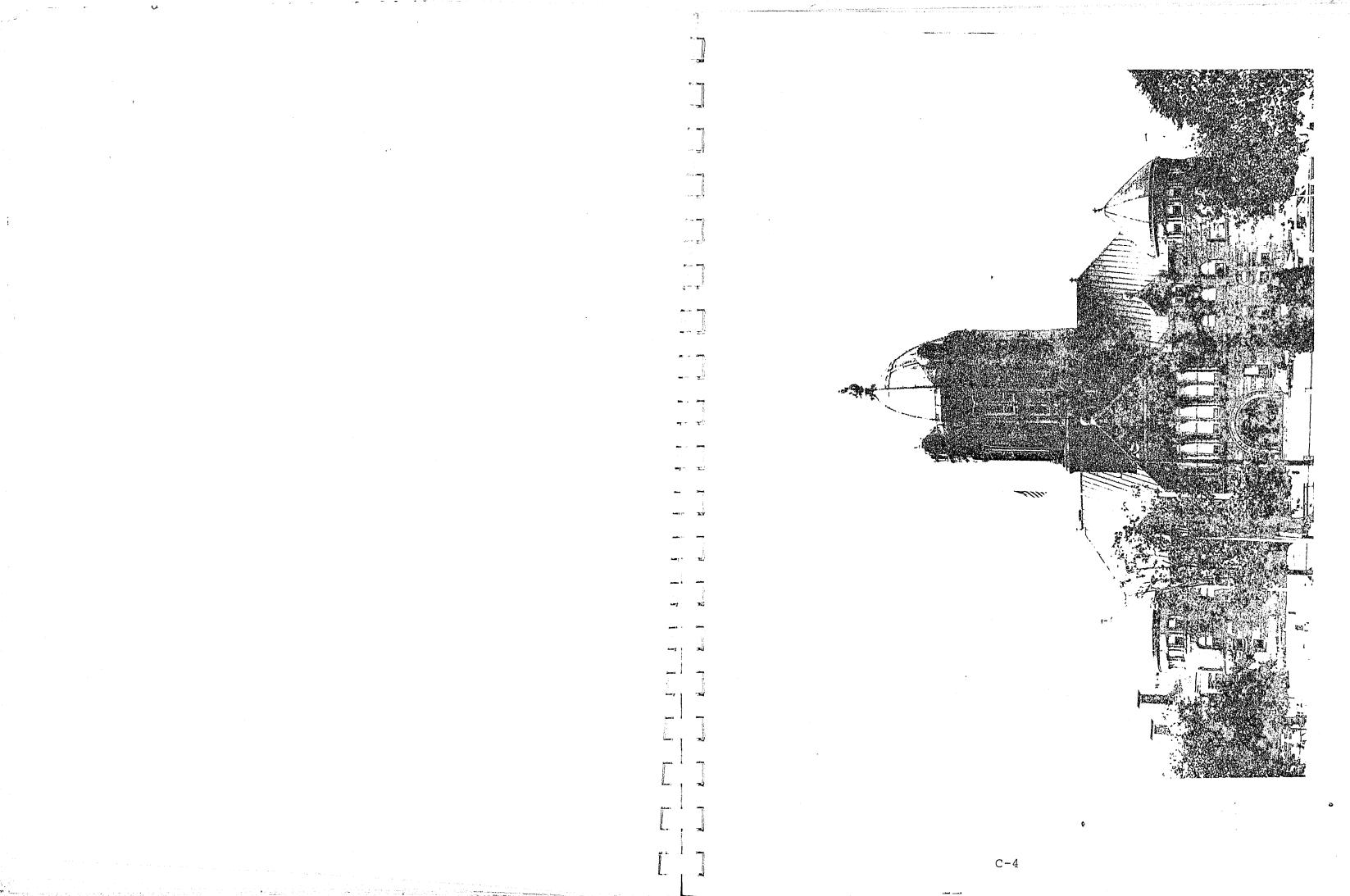
The Superior Court sits in three locations in Bristol County : Taunton, New Bedford and Fall River. The Taunton Courthouse is a massive granite structure built in 1890. The facility is in poor condition. The major deficiency in the building is the lack of sufficient space for record storage, for court sessions, for jury deliberation, and for conferences between lawyers and clients. Records for the entire county are stored in a non-secure and non-fireproof area which is filled to capacity. Records and papers are transported by car to the other locations for their respective sessions and

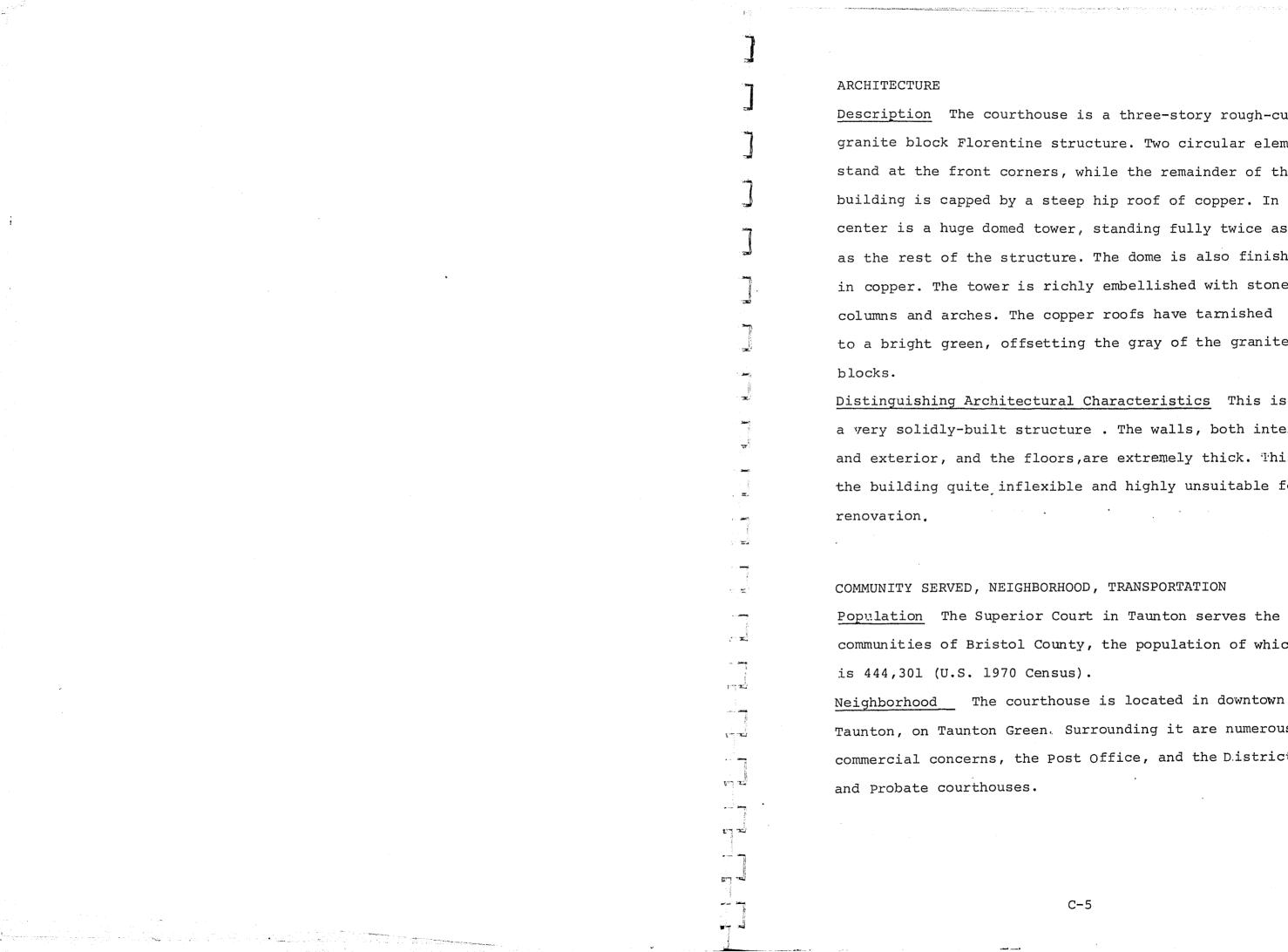
The jury facilities are limited in size, inconvenient and hazardous. Their third floor location has only one means of egress which consists of a set of very narrow

Like many buildings of comparable age and type, the Taunton Courthouse has generally substandard lighting, especially in the courtrooms. Many rooms are unacceptable acoustically as well. While the structure is sound and wellmaintained, the very nature of its massive construction makes repairs or remodelling prohibitively expensive.

C-2







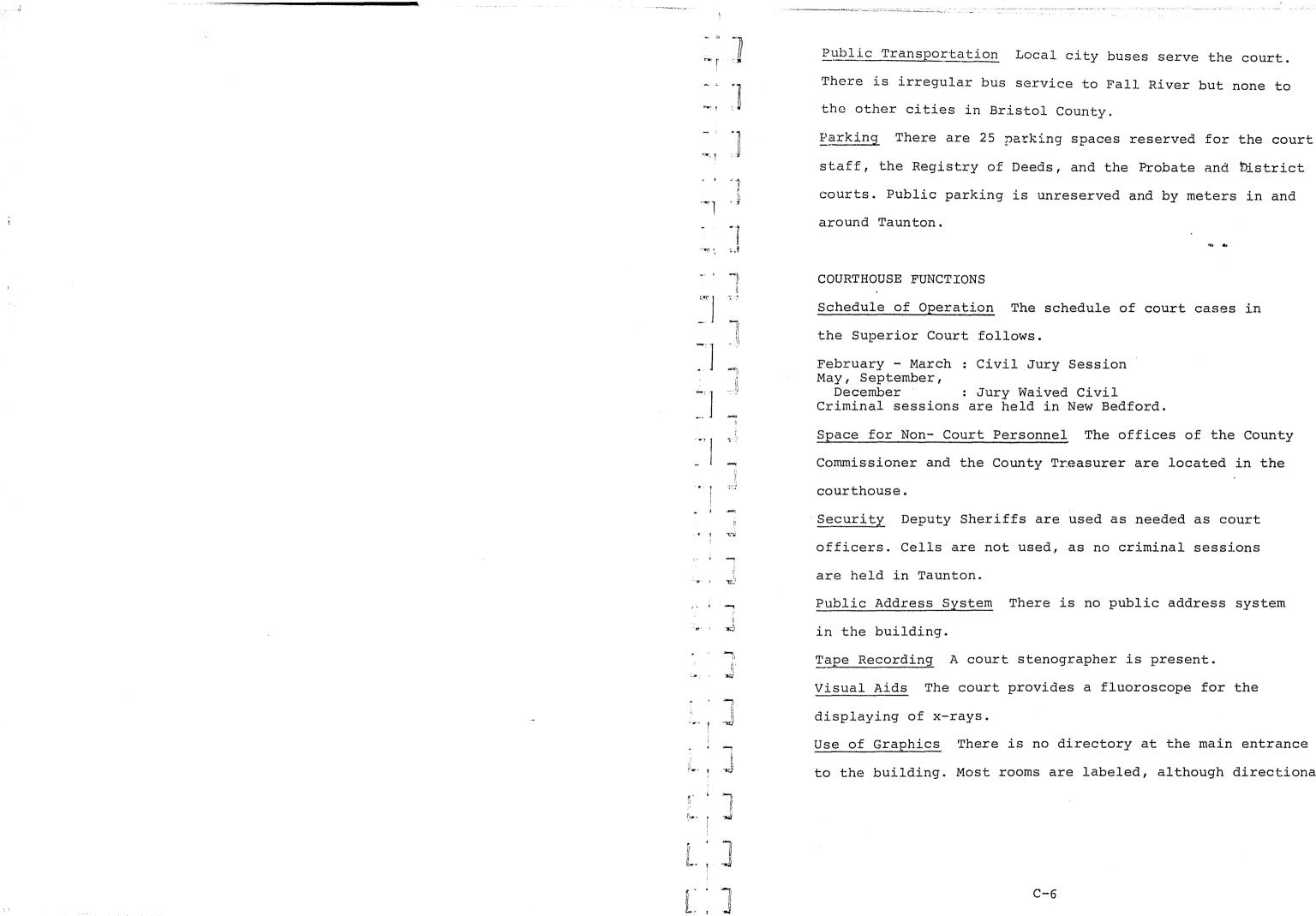
Description The courthouse is a three-story rough-cut granite block Florentine structure. Two circular elements stand at the front corners, while the remainder of the building is capped by a steep hip roof of copper. In the center is a huge domed tower, standing fully twice as high as the rest of the structure. The dome is also finished in copper. The tower is richly embellished with stone columns and arches. The copper roofs have tarnished to a bright green, offsetting the gray of the granite

Distinguishing Architectural Characteristics This is a very solidly-built structure . The walls, both interior and exterior, and the floors, are extremely thick. This makes the building quite inflexible and highly unsuitable for

Population The Superior Court in Taunton serves the communities of Bristol County, the population of which

Taunton, on Taunton Green. Surrounding it are numerous commercial concerns, the Post Office, and the District

C-5



There is irregular bus service to Fall River but none to

staff, the Registry of Deeds, and the Probate and District courts. Public parking is unreserved and by meters in and

: Jury Waived Civil

Space for Non- Court Personnel The offices of the County Commissioner and the County Treasurer are located in the

officers. Cells are not used, as no criminal sessions

Public Address System There is no public address system

Use of Graphics There is no directory at the main entrance to the building. Most rooms are labeled, although directional signs

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are not of standard design. There are no exit graphics.

Rest Rooms The women's public rest room is located on the first floor, and the men's room is in the basement. Neither is immediately visible, and the men's room is especially inconvenient to the courtrooms.

STRUCTURE

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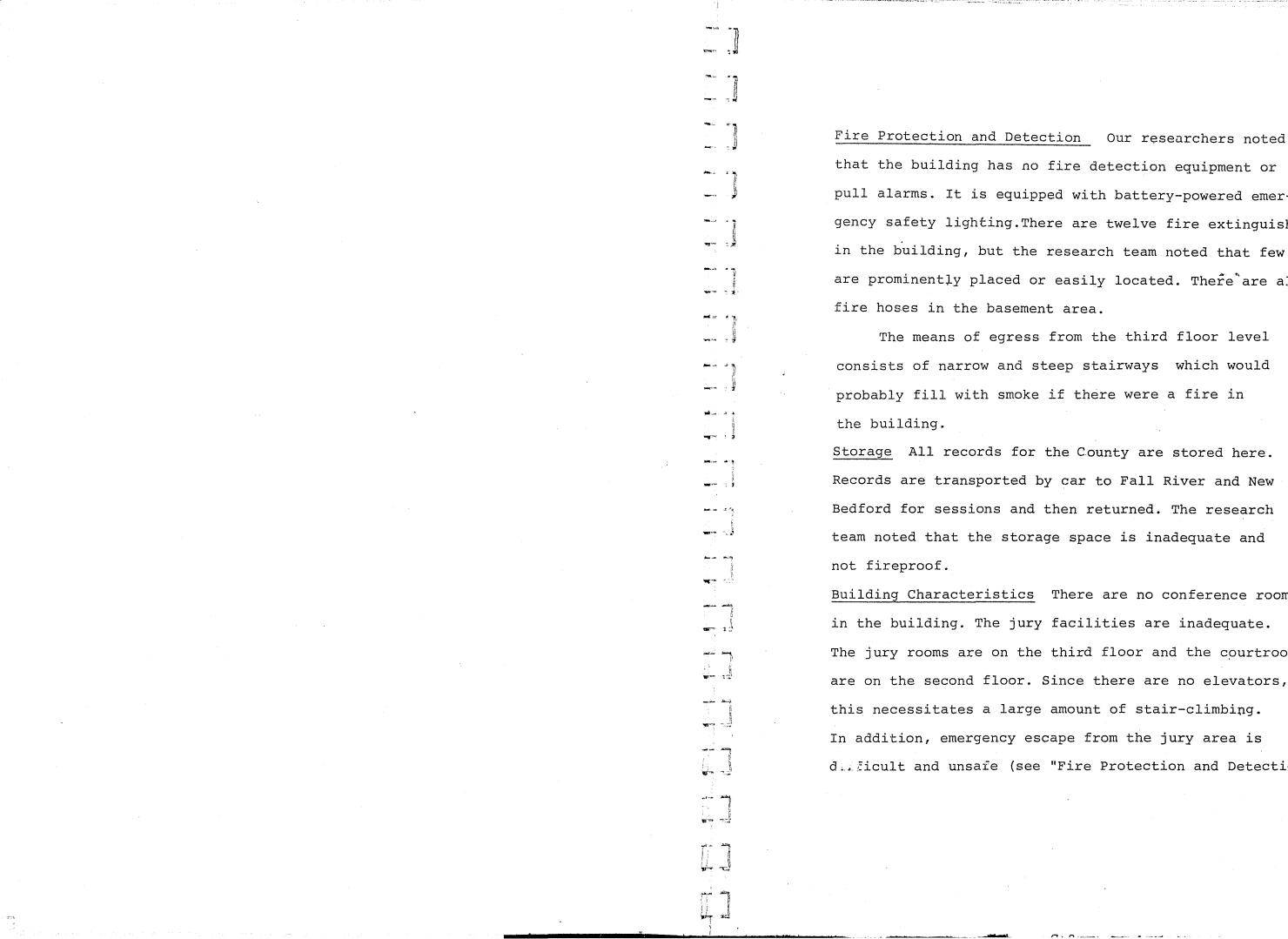
Qualitative comments included in this section, except where noted otherwise, were obtained from Mr. Paul Cotter, Head Custodian. Structural System The building is constructed of masonry bearing walls, with iron and masonry vaulted floors. There has been some roof leakage; some repairs were made during 1974 although extensive water damage is still visible in the second session courtroom. The structure is in good condition. Air Conditioning There are individual room air conditioning units in the Clerk's and Treasurer's offices. Heating Heating is provided by a steam system, with two oil burners.' An engineer and two firemen operate the two high pressure boilers. The heating system serves the Superior, Probate and District Courthouses; the system is adequate and in good condition. Plumbing The plumbing fixtures are old, but adequate. Electrical System The electrical system is presently adequate (It would become inadequate if more air conditioning were added.)

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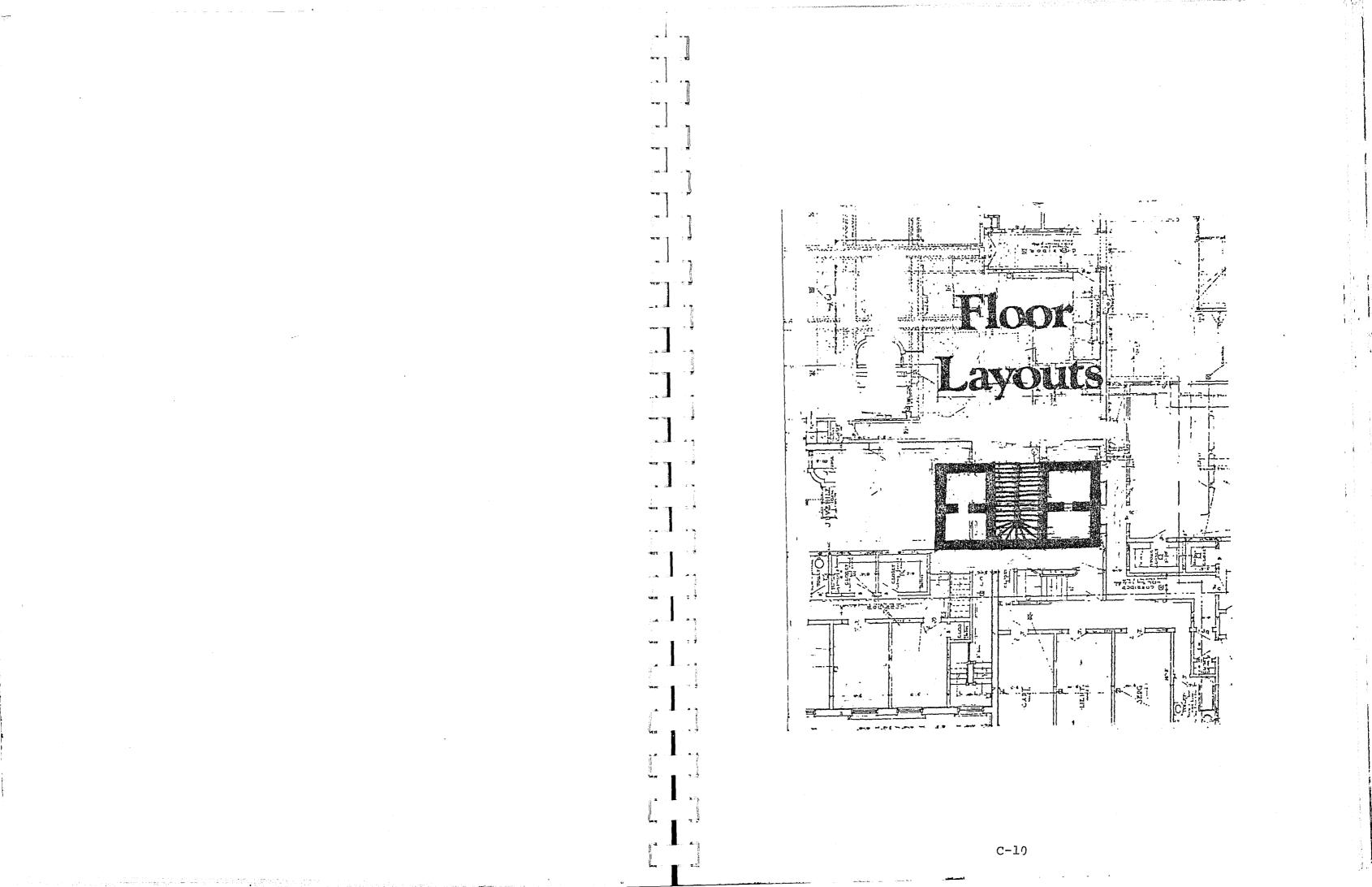
that the building has no fire detection equipment or pull alarms. It is equipped with battery-powered emergency safety lighting. There are twelve fire extinguishers in the building, but the research team noted that few are prominently placed or easily located. There also

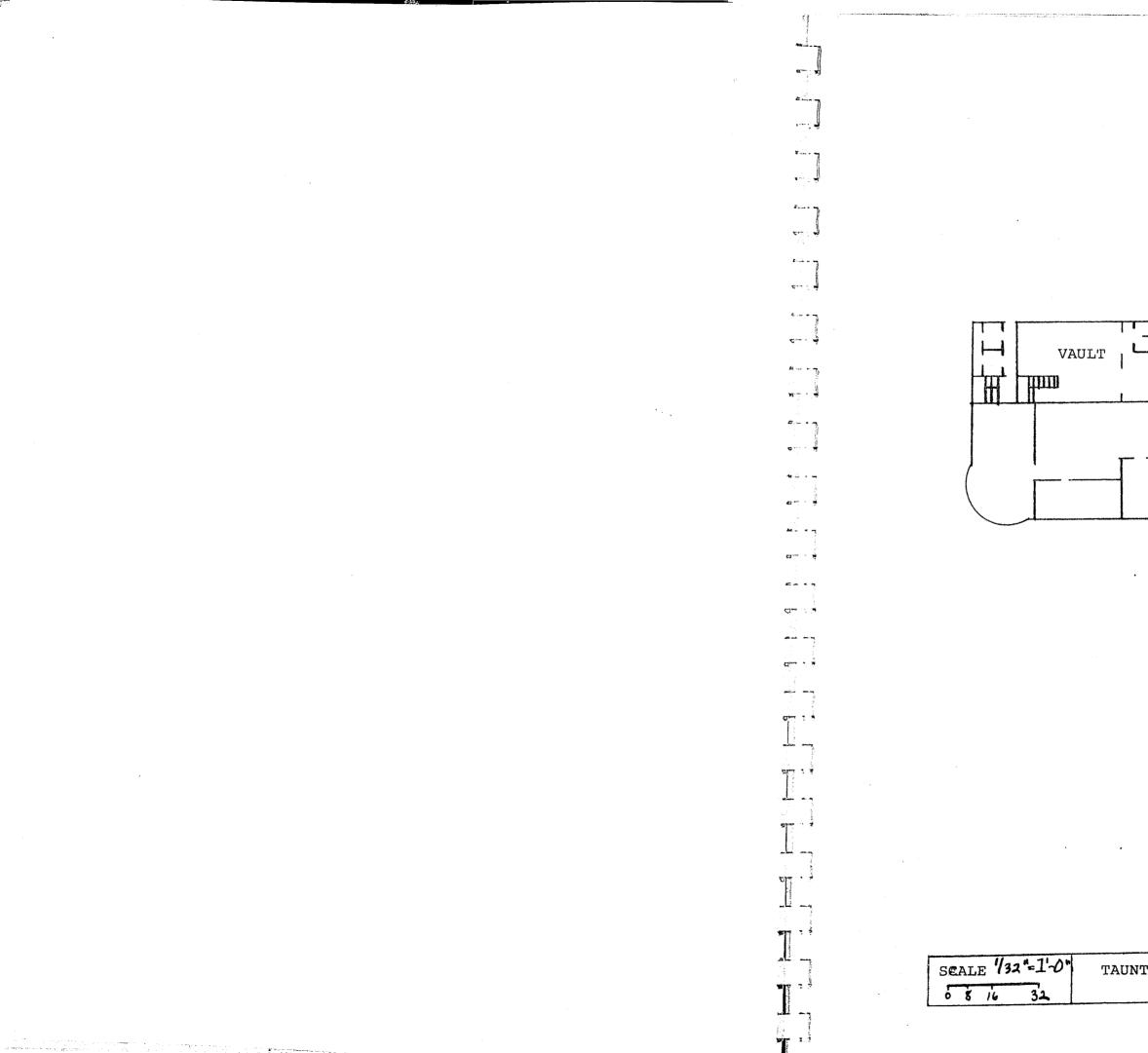
The means of egress from the third floor level consists of narrow and steep stairways which would probably fill with smoke if there were a fire in

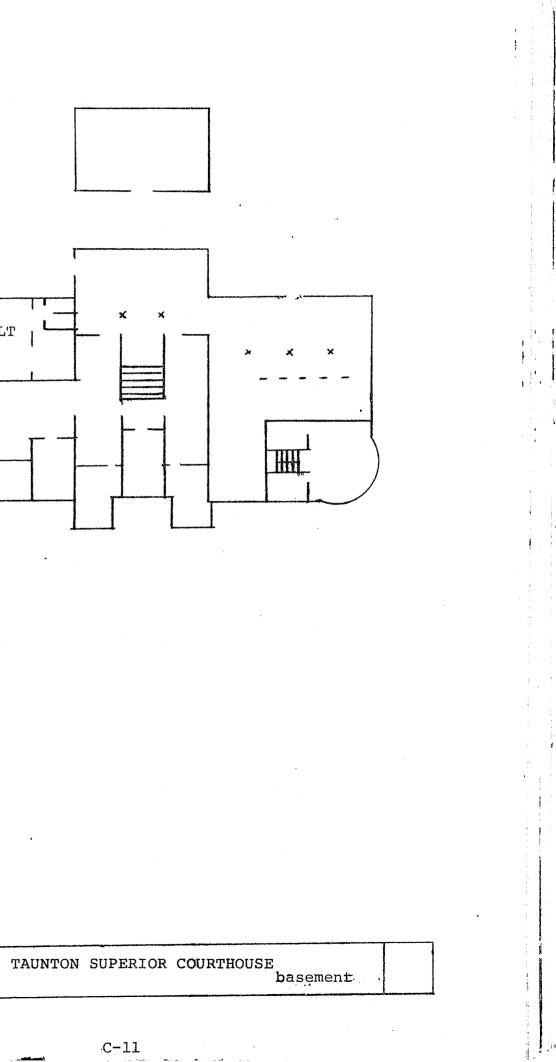
Records are transported by car to Fall River and New Bedford for sessions and then returned. The research team noted that the storage space is inadequate and

Building Characteristics There are no conference rooms in the building. The jury facilities are inadequate. The jury rooms are on the third floor and the courtrooms are on the second floor. Since there are no elevators, this necessitates a large amount of stair-climbing. In addition, emergency escape from the jury area is difficult and unsafe (see "Fire Protection and Detection").

OPERATING AND MAINTENANCE COSTS 2.12 A The following information on costs was obtained from the Bureau of Accounting of the Commonwealth of Massachusetts. لم ----These are actual costs for the year 1973. Telephone \$ 272.77 Power, Heat, Light General Maintenance 2,001.92 3,712.82 6,400.16 118.68 , 19 miles - 19 miles & Repair Fuel Oil 10- 3 3 Water والعا بأشراها ---2.7

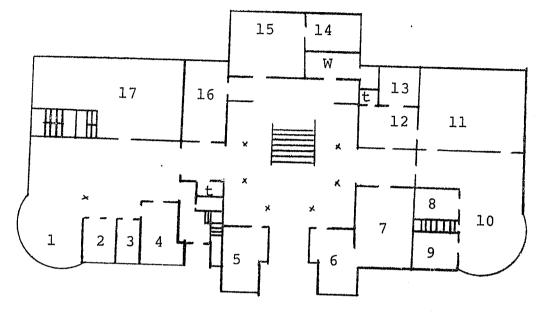






KEY: FIRST FLOOR

Clerk of Court Secretary
 Assistant Clerk #1
 Assistant Clerk #2
 Clerk of Court
 Treasurer's Retirement Section
 Chief Probation Officer (Sup'r)
 Probation Officer Secretary
 County Treasurer Becretary
 County Treasurer
 Vault
 Hearing Room/Grand Jury
 Probation Officer (Sup'r)
 Waiting Room
 County Commissioner
 County Commissioner
 Custodians' Room
 Clerk's Vault



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| SCALE | 1/32 = 1 - 0" | TAUNTC |
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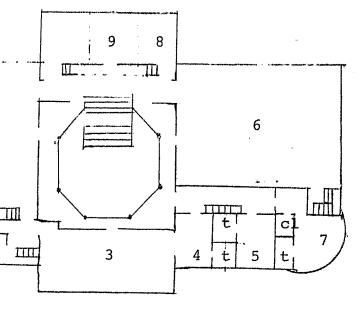
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ON SUPERIOR COURTHOUSE lst floor

KEY: SECOND FLOOR

Judge's Lobby
 Lawyer's Room
 Second Session Courtroom
 Court Reporter
 County Commissioner
 Law Library
 Juvenile Court Secretary
 District Attorney
 District Attorney
 Superior Courtroom



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SCALE /32"-1'-0"

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TAUNTON SUPERIOR COURTHOUSE

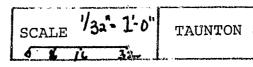
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2nd floor

A-13

KEY : THIRD FLOOR

Jury Room Women
 Jury Room Men
 Judge's Office & Library
 Storage #1
 Storage #2
 Storage #3



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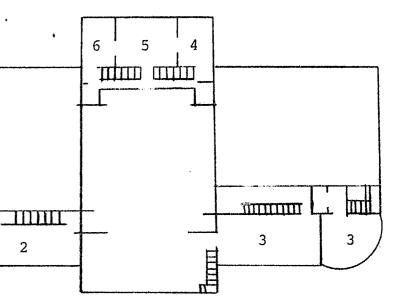
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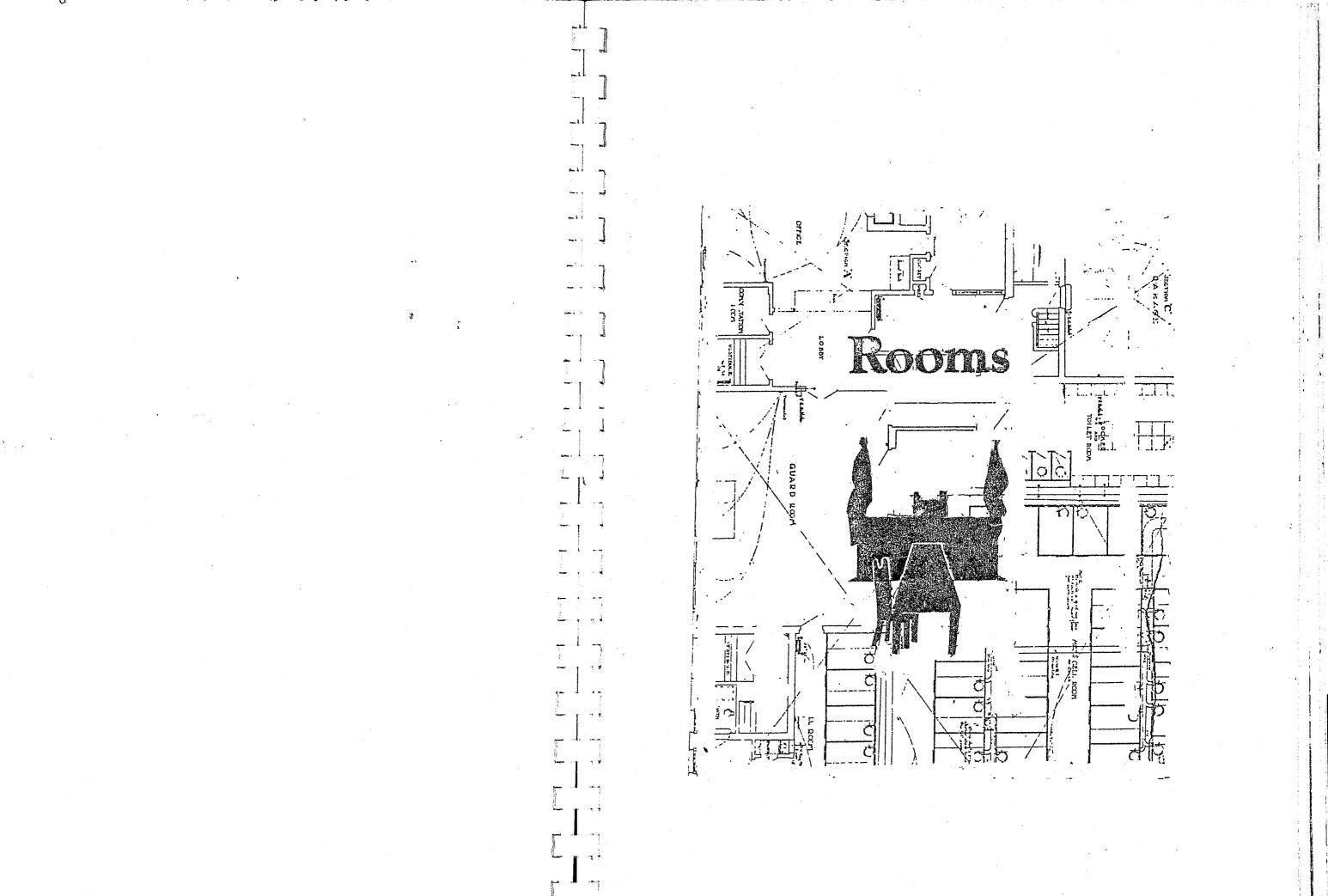
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TAUNTON SUPERIOR COURTHOUSE

3rd floor



C-15

Criteria

Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page, (square footage, type of access, finish, acoustics, etc.)

Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage.

Other areas such as closets, restrooms, elevators and stairways are not surveyed at all.

Definitions

Sumbol

С

AREA Total floor area including work space, circulation space, and storage in square feet.

ACCESS The degree to which public entry into a room is restricted.

| Synuso. | Explanation |
|--|--|
| Pub | Public: Access is unrestricted to general public. |
| Prv | Frivate: Access is partially restricted by means of doors, counters, or graphics. |
| Sec | Secure: Access is restricted by guard, receptionist, |
| NUMBER OF and spect | USERS The estimated seating capacity of a room for users ators, based upon current furnishing. |
| FINISH <u>Materials</u> | <u>(Vat)</u> : |
| Frefixee | Coles |
| <pre>p - paint g - glaze t - textu</pre> | d he hadestos Tile CK - Cork S - Stone |
| Rating | Explanation |
| Good | Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition. |
| Fair | Condition of surface indicates some damage. Small scal, repairs and corrective maintenance are necessary to retard deterioration of condition. |
| Poor | Condition of surface indicates severe damage. Large |

scale corrective maintenance is recessary to prevent complete loss of the finish.

fonc: A subjective evaluation of the color tone of the room based on the following rating scale: Eright and Cheerful Drab and Austere 3 Parcent (%) of Windows: The approximate percentage of the total wall area of the room which is composed of glass. Height: The floor to ceiling height. ACOUSTICS The acceptability of the acoustics of each room is based upon measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter echo and reverberation time). Rating Explanation Acceptable: Noise level and reverberation time are within standards for each room function; flutter echo is absent or slight. Acc Unacceptable: Noise level exceeds standard or inter-Un N feres with room function. Unacceptable: Noticeable flutter echo or excessive Un R reverberation time. Un NR Unacceptable: Both Un N and Un R LIGHTING Type: Refers to type of light fixtures in the room. I - Incandescent F - Fluorescent I/F - Combination incandescent/ Level: Ratings of the acceptability of light in the room are based upon comparisons between the measured light levels (in footcandles) and the eccepted standards of light requirements for the functions performed in the room.* fluorescent Rating Explanation Light levels for all functions of the room exceed or equal accepted standards. Good Light levels for some functions are standard; others are substandard. Fair Poor Light levels for all functions are substandard. AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. Symbol Explanation N No air conditioning present. C Central air conditioning. W Window air conditioning units. R Room air-conditioning units Indicates multiple window units, (e.g., 3 window units would be entered as (3)W. (л)W

* Refer to technical information sectics for further explanation 1 - 1 1 ~ ŧ L. smith B Lever L. Kunn - + B Leven to mar to America

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|--------------|-------------------------------------|--------------|-------------|------------|-----------|--------|------|--------------|--------|--------|-----|--------|-----|----------------|----------|-------|-------------|
| | | AREA (sq. | | # of | | | | | FLOORS | | | CEILIN | GS | | LIC | HTING | |
| | ROOM | | ACC- ESS | US- ERS | Mat | Condtn | Tone | 8 of Wind | Mat | Condtn | Mat | Condtn | Ht | ACOU- STICS | Туг | .evel | AIR CONE |
| | FIRST FLOOR | | | | | | | | | | | | | | | | |
| | Clerk of Ct. Sec'y | 1290 | PUB, PRV | | pP/ WP | GOOD | 3 | 10 | v | GOOD | σP | GOOD | 12' | ACC | F | FAIR | N |
| | Ass't Clerk #1 | 145 | PRV | 6 | W/ pP | GOOD | 4 | 30 | c | GOUD | AT | GOOD | 11' | UnN | F | GOOD | N |
| • | Ass't Clerk #2 | 95 | PRV | 2 | W/ pP | GOOD | 2 | 20 | с | GOOD | pP | GOOD | 12' | ACC | F | GOOD | N |
| | Clerk of Court | 455 | PRV | 5 | ₩7' pP | GOOD | 2 | 5 | С | GOOD | pP | GOOD | 12' | ACC | I | GOOD | N |
| | Treasurer's Retire- ment Section | 205 | PUB | 4 | pP | FAIR | 3 | 5 | v | GOOD | pP | FAIR | 12' | ACC | F | FAIR | N |
| | C.P.O. (Spp.) | 205 | PRV | 3 | pP/ WP | GOOD | 4 | 5 | v | GOOD | pP | GOOD | 12' | UnN | म | GOOD | N |
| ע יי נ | P.O. Sec'y | 480 | PUB, PRV | 6 | pP | GOOD | 3 | 5 | v | GOOD | pР | GOOD | 12' | ACC | F | FAIR | <u>N</u> |
| | County Treas. Sec'y | 160 | PUB | 10 | pP | POOR | 3 | 10 | v | GOOD | pP | POOR | 12' | ACC | <u></u> | FAIR | N |
| | County Treasurer | 160 | PRV | 3 | pР | FAIR | 3 | 20 | v | GOOD | pР | GOOD | 12' | UnN | <u>т</u> | FAIR | N |
| | Vault | 810 | SEC | | | | | _ | | | | | | | | | _ |
| | Hearing Rm.GrandJury | 885 | PUB | 45 | pP | GOOD | 3 | 10 | v | GOOD | pР | GOOD | 12' | UnR | F | FAIR | N |
| | P.O.(Sup.) | 170 | PRV | 3 | W/ Pq | GOOD | 3 | 20 | v | GOOD | pР | GOOD | 12' | ACC | I | FAIR | N |
| | Waiting Room | 240 | PUB | 5 | W/ | GOOD | 3 | 0 | v | GOOD | ٩q | GOOD | 12' | ACC | I | POOR | N |
| | County Commissioner | 120 | | | | | | | | | | | | 1 | | | |
| | County Commissioner | 95 | | | | | | | | | | | | | | | |
| | Custodians' Room | 365 | PUB | . 6 | рP | GOOD | 3 | 5 | v | GOOD | pP | GOOD | 12' | UnN | I | POOR | N |

Criteria

Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page, (sguar» footage, type of access, finish, acoustics, etc.)

Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage.

Other areas such as closets, restrooms, elevators and stairways are not surveyed at all.

Definitions

- .

AREA Total floor area including work space, circulation space, and storagu in square feet.

ACCESS The degree to which public entry into a room is restricted.

| Symbol | Explanation |
|---|--|
| Pub | Public: Access is unrestricted to general public. |
| Prv | Private: Access is partially restricted by means of doors, counters, or graphics. |
| Sec | Secure: Access is restricted by guard, receptionist, or locked doors. |
| | USERS The estimated seating capacity of a room for users tors, based upon current furnishing. |
| FINISH <u>Miteríal</u> a | <u>(Xat)</u> : |
| Fregixee | Coles |
| p - painte g - glazed t - textur Condition | i AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound red AT - Acoustic Tile CT - Concrete Absorbing B - Brick G - Glass T - Terrazzo DC - Bookcase BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Wood CB - Concrete Block PR - Paper WP - Wood |
| Rating | Explanation |
| Good | Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition. |
| Fair | Condition of surface indicates some damage. Small scal: epuirs and corrective maintenance are necessary to retard deterioration of condition. |

Poor Condition of surface indicates severe damage. Large scale corrective maintenance is recessary to prevent complete loss of the finish.

Tone: A subjective evaluation of the color tone of the room based on the following rating scale: Bright and Cheerful Drab and Austere Parcent (%) of Windows: The approximate percentage of the total wall area of the room which is composed of glass. Height: The floor to ceiling height. ACOUSTICS The acceptability of the acoustics of each room is based upon measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter echo and reverberation time)." Rating Explanation Acceptable: Noise level and reverberation time are within standards for each room function; flutter Acc ocho is absent or slight. Unacceptable: Noise level exceeds standard or inter-feres with room function. Un N Unacceptable: Noticeable flutter echo or excessive reverberation time. Un R Un NR Unacceptable: Both Un N and Un R LIGHTING Type: Refers to type of light fixtures in the room. I/F - Combination incandescent/
fluorescent I - Incandescent F - Fluorescent Level: Ratings of the acceptability of light in the room are based upon comparisons between the measured light levels (in footcandles) and the accepted standards of light requirements for the functions performed in the room.* Rating Explanation Light levels for all functions of the room exceed or equal accepted standards. Good Light levels for some functions are standard; Fair others are substandard. Poor Light levels for all functions are substandard. AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. Symbol Explanation N No air conditioning present. Central air conditioning. С Window air conditioning units. N R Room air-conditioning units Indicates multiple window units, (e.g., 3 window units would be entered as (3)W, (n)₩

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* Refer to technical information section for further explanation

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|-----------------------|------|-------------|------------|----------|--------|------|--------------|----------|--------|----------|--------|-----|----------------|----------|----------|------------|
| | | | | | | | E | INI | SH | | | | | | | |
| | AREA | | # of | | WALI | S | | FI | OORS | | CEILIN | GS | | LIC | HTING | |
| ROOM | | ACC- ESS | US- ERS | Mat | Condtn | Tone | % of Wind | Mat | Condtn | Mat | Condtn | Ht | ACOU- STICS | Турс | Level | AIF CON |
| Clerk's Vault | 1050 | SEC | | | | | | | | | | | | • | | |
| SECOND FLOOR | | | | | | | | | | | | | | | | |
| Judge's Lobby | 250 | SEC | 8 | pP | GOOD | 4 | 10 | С | GOOD | pP | GOOD | 12' | ACC | I | GOOD | N |
| Lawyer's Room | 335 | PRV | 5 | pP | GOOD | 4 | 30 | V | FAIR | pP | GOOD | 12' | UnN | I | GOOD | N |
| 2nd Session Courtroom | 1055 | PUB | 43 | pP | POOR | 3 | 40 | W | FAIR | рР | GOOD | 30' | UnN | I | POOR | <u>N.</u> |
| Court Reporter | 215 | PRV | · 5 | pP | GOOD | 3 | 10 | v | GOOD | pP | GOOD | 12' | ACC | I | GOOD | N |
| County Commissioner | 180 | PUB | 5 | pР | GOOD | 3 | 10 | v | GOOD | pP | GOOD | 12' | ACC | F | FAIR | W |
| Law Library | 1800 | PUB | 9 | pP | GOOD | 2 | 30 | v | GOOD | pР | FAIR | 30' | ACC | I | FAIR | N |
| Juv. Court Sec'y | 250 | PUB | 6 | pP | GOOD | 3. | 20 | W | FAIR | pP | GOOD | 12' | ACC | I | FAIR | N |
| D.A. | 225 | PRV | 2 | pP | GOOD | 3 | 15 | W | FAIR | pP | GOOD | 12' | ACC | Ĭ | FAIR | N |
| D.A. | 290 | PRV | 5 | pP | GOOD | 4 | 25 | W | FAIR | pP | GOOD | 12' | ACC | I | GOOD | N |
| Superior Courtroom | 2760 | PUB | 22,5 | pP | GOOD | 3 | 25 | <u>v</u> | GOOD | W/ pP | GOOD | 30' | ACC | <u> </u> | POOR | <u>N</u> |
| THIRD FLOOR | | - | | | | | | | | | - | | | | <u> </u> | |
| Jury Room Women | 140 | SEC | 5 | ь. pP | GOOD | 3 | 25 | v | FAIR | pР | GOOD | 13' | ACC | <u> </u> | GOOD | <u>N_</u> |
| Jury Room Men | 360 | SEC | . 36 | pP | FAIR | 3 | 5 | v | FAIR | pP | FAIR | 10' | ACC | I | POOR | N |

| Jumpse and detention facilities are surveyed for it of the formation in the table on the facing page. Jumpse for only the square foctage. type of access, finish, acoustics, etc.) Itorays areas, vaults, machinery areas and custodial rooms are unveyed for only the square foctage. Preferent (3) of Vindows: The approximate percentage of the total vall area of the room which is composed of glass. Weight: The floor to calling height. Acoustics The acceptability of the acoustics of each root. is based upon measuresents of ambient noise level. (MA), and upon , werberance characteristics (flutter echo and reverberation time). Preferent (3) of Vindows: The approximate percentage of the total vall area of the room which is composed of glass. Weight: The floor to calling height. Acoustics The acceptability of the acoustics of each root. is based upon measuresents of ambient noise level. (MA), and upon , werberance characteristics (flutter echo and reverberation time). Preferent (3) of Vindows: The approximate percentage of the total vall area of the room which is composed of glass. Weight: The floor to calling height. Acoustics The acceptability of the acoustics of each root. is based upon measuresents of ambient noise level. (MA), and upon , werberance characteristics (flutter echo and reverberation time). Rating Explanation Net acceptability of the acceptable. Noise level exceeds standard or interface of the same of an the room. Max acceptable. Noise level exceeds standard or interface of the same of the same of the room. Max acceptable. Noise level exceeds standard or interface of the accepted standards of 11 the requirements for the functions performed in the room. Max accepted standards. Max accepted standards. Max accepted standards. Max acomption incomparisons betwoon the m | Criteria | based on the following rating scale: |
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| Tupon measurements of achient noise level (dsA), and upon - Werberance Definitions AREA Total floor area including work space, circulation space, and atorego in square feet. AREA Total floor area including work space, circulation space, and atorego in square feet. AREA Total floor area including work space, circulation space, and atorego in square feet. AREA Total floor area including work space, circulation space, and atorego in square feet. AREA Total floor area including work space, circulation space, and atorego in square feet. AREA Total floor area including work space, circulation space, and atorego in square feet. AREA Total floor area including work space, circulation space, and feet. AREA Total floor area including work space, circulation space, and the space area of the standard or interface and space atom space. Breing Section circulation space atom space a | Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage. | • |
| JUSTIMUE OF Construction of surface shows no sign of damage. Continued from the surface shows andage damage. Shows here shows no sign of damage | Other areas such as closets, restrooms, elevators and stairways are not surveyed at all. | c line adaption (dbl) and whom werberable i |
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| AREA Total floor area including work space, circulation space, and storage in square faet. ACCESS The degree to which public entry into a room is restricted. Symbol Explanation Pub Public: Access is unrestricted to general public. In N Unacceptable: Noticealle flutter echo or excessive feres with room function. Symbol Explanation Un N Unacceptable: Noticealle flutter echo or excessive feres with room function. Sec Secure: Access is prestricted by guard, receptionist, or locked doors. Un N Unacceptable: Both Un N and Un R NUMBER OF USERS the estimated seating capacity of a room for users and spectators, based upon current furnishing. Infinite Privates Apr - Acbestos Tile CK - Cork S - Stone of class T - Terrazio for the functions performed in the scone. Infinite P - pained Apr - Acbestos Tile CK - Cork S - Stone of a fight for all functions are standard. Secondition for condition for a cornecte A bosorbing a - Acoustic Tiles CK - Cork S - Stone of a fight for all functions are standard. D - pained Apr - Acbestos Tile CK - Cork S - Stone of a fight for all functions are substandard. Secondition for surface indicates some damage. Continued preventive maintenance is sufficient to maintain this condition. P - faired Explanation N Good Condition of surface indicates some damage. Continued preventive maintenance is sufficient. N N ore airconditi | Definitions | |
| Symbol Explanation In R Unacceptable: Notices Pub Public: Access is unrestricted to general public. In R Unacceptable: Noticesable flutter echo or excessive reverteration time. Private: Access is restricted by guard, receptionist, or locked doors. In R Unacceptable: Noticesable flutter echo or excessive reverteration time. Secure: Access is restricted by guard, receptionist, or locked doors. In R Unacceptable: Both Un N and Un R NUMBER of USENS: The estimated seating capacity of a room for users and speciators, based upon current furnishing. In Incandescent I/P - Combination incandescent/ floorescent Firsts: Friefisse Codes In Acceptable: Both Un N and Un R Firsts: Mitry dise (Math): Friefisse (Codes In Incandescent I/P - Combination incandescent/ floorescent Friefisse Codes Friefisse Secore Secore Secore g = glased AP - Acoustic Tile CN - Cork S - Scone Secore Secore g = clased AP - Acoustic Tile CN - Cork S - Scone Secore Rating Explanation Good Condition of surface shows no sign of damage. Continued conditioning Fresentive maintenance is sufficient to main | AREA Total floor area including work space, circulation space, and storage in square feet. | within standards for each room function; flutter |
| Pub Public: Access is unrestricted to general public. Prv Private: Access is partially restricted by means of doors, counters, or graphics. Sec Secure: Access is restricted by guard, receptionist, or locked doors. NUMBER OF USENS The estimated seating capacity of a room for users and spectators, based upon current furnishing. In Incandescent I/P - Combination incandescent/ F - Fluorescent I/P - Combination I/P - Combination I/P - Combination incandescent I/ | | Un N Unacceptable: Noise level exceeds standard or inter- feres with room function. |
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| SecSecure: Access is restricted by guad, receptionist, or locked doors.LIGHTINGNUMBER OF USERS the estimated seating capacity of a room for users and spectators, based upon current furnishing.IIGHTINGFINISHFINISHSiterial (Mif):Profixed Colssp - painted APF - Acoustic Plaster CKT - CorkS - Stone of elastsg - painted APF - Acoustic Plaster CKT - Corrent Absorbing C - Corpet P - Plaster W - Wood C - Corpets P - Plaster W - Wood C - Corpets Block PR - Paper WP - Wood freentive maintenance is sufficient to maintain thisSample - Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition.Sample - Condition of surface indicates sever damage. Small scale corrective maintenance is precessary to retard deterioration of condition.Sample - Condition of surface indicates sever damage. Large condition of surface indicates sever damage. Large condition of surface indicates sever damage. Large condition of condition.Sample - Condition of surface indicates sever damage. Large scale corrective maintenance is precessary to retard deterioration of condition.Sample - Condition of surface indicates sever damage. Large scale corrective maintenance is precessary to preventPoorCondition of surface indicates sever damage. Large scale corrective maintenance is precessary to preventSample - Condition ing units to retard deterioration of condition.PoorCondition of surface indicates sever damage. Large scale corrective maintenance is precessary to preventRefers to type of light fixtures in the room.PoorCondition of surface indicates severe damage. Serve scale corrective maintenance i | Prv Private: Access is partially restricted by means of doors, counters, or graphics. | Un NR Unacceptable: Both Un N and Un R |
| NUMBER OF Usens the estimated sealing capacity of a room for the function of a room current furnishing. F - Fluorescent fuerishing. F - Fluorescent fuerishing.<td></td><td>LIGHTING Type: Refers to type of light fixtures in the room.</td> | | LIGHTING Type: Refers to type of light fixtures in the room. |
| FINISH Minimials (Mat): Fofires Codes p - painted ABT - Asbestos Tile CK - Cork S - Stone g - glazed AP - Acoustic Plaster CR - Ceramic Tile SA - Sound t - textured AT - Acoustic Tile CT - Concrete B - Brick G - Glass T - Terrazzo BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Wood CB - Concrete Block PR - Paper W - Wood CB - Concrete Block PR - Paper W - Wood Cardition (Condita): Rating Explanation Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition. Fair Condition of surface indicates some damage. Small scale - corrective maintenance are necessary to retard deterioration of condition. Poor Condition f surface indicates severe damage. Large scale corrective maintenance is preventive maintenance is prev | And spectators, based upon current furnishing. | F - Fluorescent fluorescent |
| P - painted ABT - Asbestos Tile CX - Cork S - Stone p - painted ABT - Asbestos Tile CX - Cork S - Stone g - glazed AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound t - textured AT - Acoustic Tile CT - Concrete Absorbing B - Brick G - Glass T - Terrazzo BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Wood CB - Concrete Block PR - Paper WP - Wood CB - Concrete Block PR - Paper WP - Wood Cadition (Condin): Rating Explanation Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition. Fair Condition of surface indicates some damage. Small scaleepling and corrective maintenance are necessary to retard deterioration of condition. Poor Condition of surface indicates severe damage. Large scale corrective maintenance is recessary to prevent | FINISH | based upon comparisons between the measured light levels (in footcandles) and the accepted standards of light requirements |
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| t - textured AT - Acoustic Tile CT - Concrete Absorbing B - Brick G - Glass T - Terrazzo BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Wood CB - Concrete Block PR - Paper WP - Wood Paneling Condition (Condth): Rating Explanation Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition. Fair Condition of surface indicates some damage. Small scale .epiirs and corrective maintenance are necessary to retard deterioration of condition. Poor Condition of surface indicates severe damage. Large scale corrective maintenance is precessary to retard deterioration of condition. Poor Condition of surface indicates severe damage. Large scale corrective maintenance is precessary to prevent | p - painted ABT - Asbestos Tile CK - Cork S - Stone q - glazed AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound | or equal accepted standards. |
| BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Wood CB - Concrete Block PR - Paper WP - Wood Paneling Paneling Condition (Condtn): Paneling Rating Explanation Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition. Fair Condition of surface indicates some damage. Small scaleptifs and corrective maintenance are necessary to retard deterioration of condition. Poor Condition of surface indicates severe damage. Large scale corrective maintenance is recessary to prevent | t - textured AT - Acoustic Tile CT - Concrete Absorbing | |
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| Rating Explanation Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition. N No air conditioning present. Fair Condition of surface indicates some damage. Small scal: .epuirs and corrective maintenance are necessary to retard deterioration of condition. N No air conditioning present. Poor Condition of surface indicates severe damage. Large scale corrective maintenance is necessary to prevent N No air conditioning units. | Paneling | AIR CONDITIONING. The symbols indicate the type of air conditioning, if present, in the room. |
| Good Condition of surface shows no sign of damage. Continued N No air conditioning present. Good preventive maintenance is sufficient to maintain this condition. N No air conditioning. Fair Condition of surface indicates some damage. Small scal: epuirs and corrective maintenance are necessary to retard deterioration of condition. N No air conditioning present. Poor Condition of surface indicates severe damage. Large scale corrective maintenance is precessary to prevent N No air conditioning units. | Rating Explanation | Symbol . Explanation |
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| scale corrective maintenance are necessary to retard deterioration of condition. Poor Condition of surface indicates severe damage. Large scale corrective maintenance is necessary to prevent | condition. | W Window air conditioning units. |
| Poor Condition of surface indicates severe damage. Large units would be entered as (3)W. | acal, musirs and corrective maintenance are necessary | |
| complete loss of the finish. | Poor Condition of surface indicates severe damage. Large | (n)W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W. |
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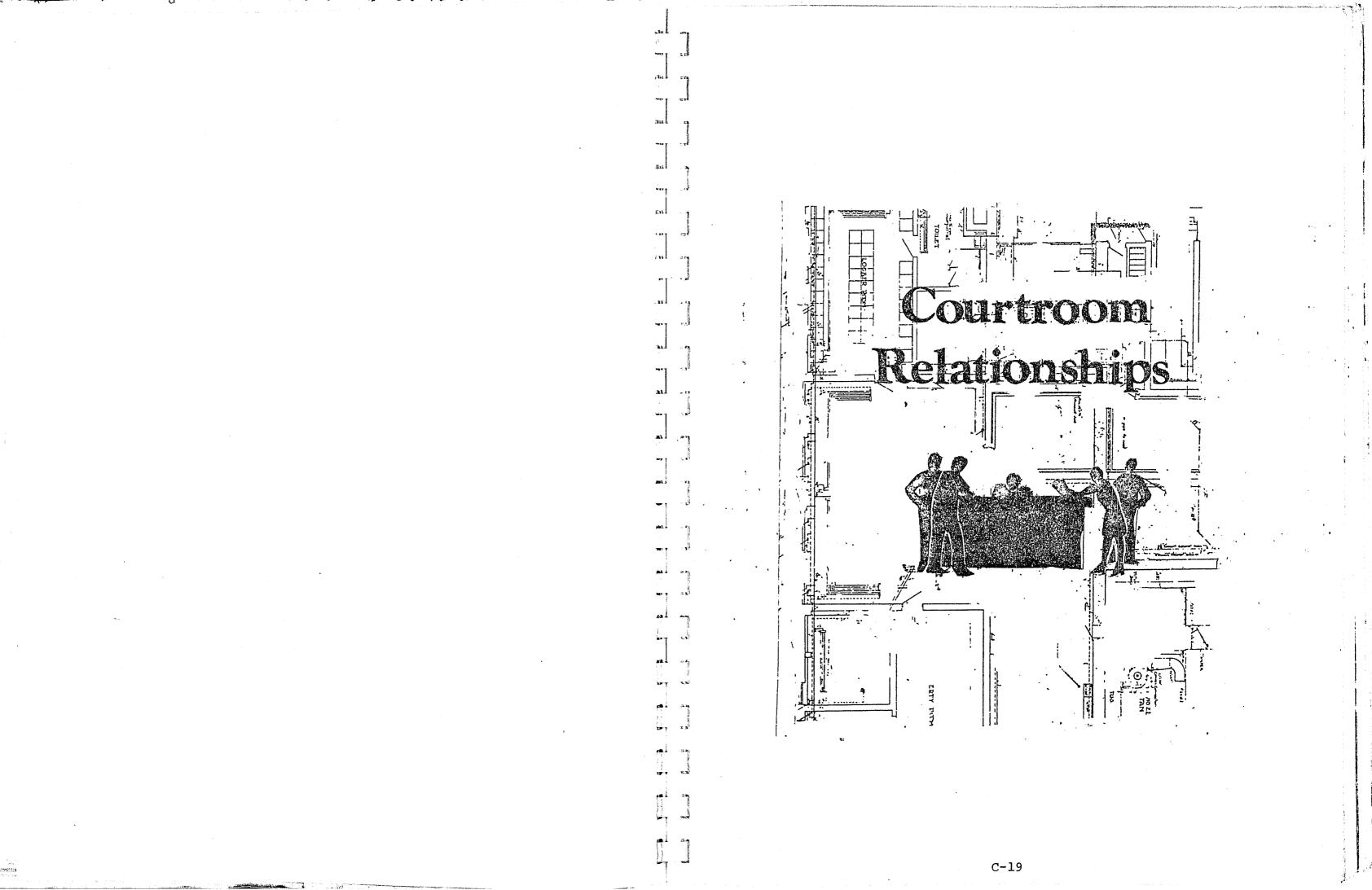
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| l _{er} | Can the Judge hear the Witnesse |
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| 2000 2000 2000 | JURY |
| سیب (حد | What size jury can the courtroo accomodate? |
| - Tiget | Approximately how far are juror public? |
| CDA, | Approximately how far are juror litigants? |
| | Can the Jurors see Witnesses at face? |
| (| Can the Jurors see the Judge at |
| - 20 <u>4</u> | Can the Jurors see the Prosecut Defense Attorney?* |
| ्र सम्बर्भ | Are Jurors on same side of Judg Witnesses? |
| | Can the Jurors hear Attorneys c |
| 2.0 <u>.</u> | WITNESSES |
| (د) الحلة رب | Can Witnesses see Judge & Attor |
| | Does the Witness Box have a mic |
| | ATTORNEYS |
| | Can Attorneys see the Jury? |
| ्राप्स्ट | Can Attorneys hear the Judge cl |
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| eys clearly?* | Yes | Yes | |
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| dge's lobby? | Yes | Yes | |
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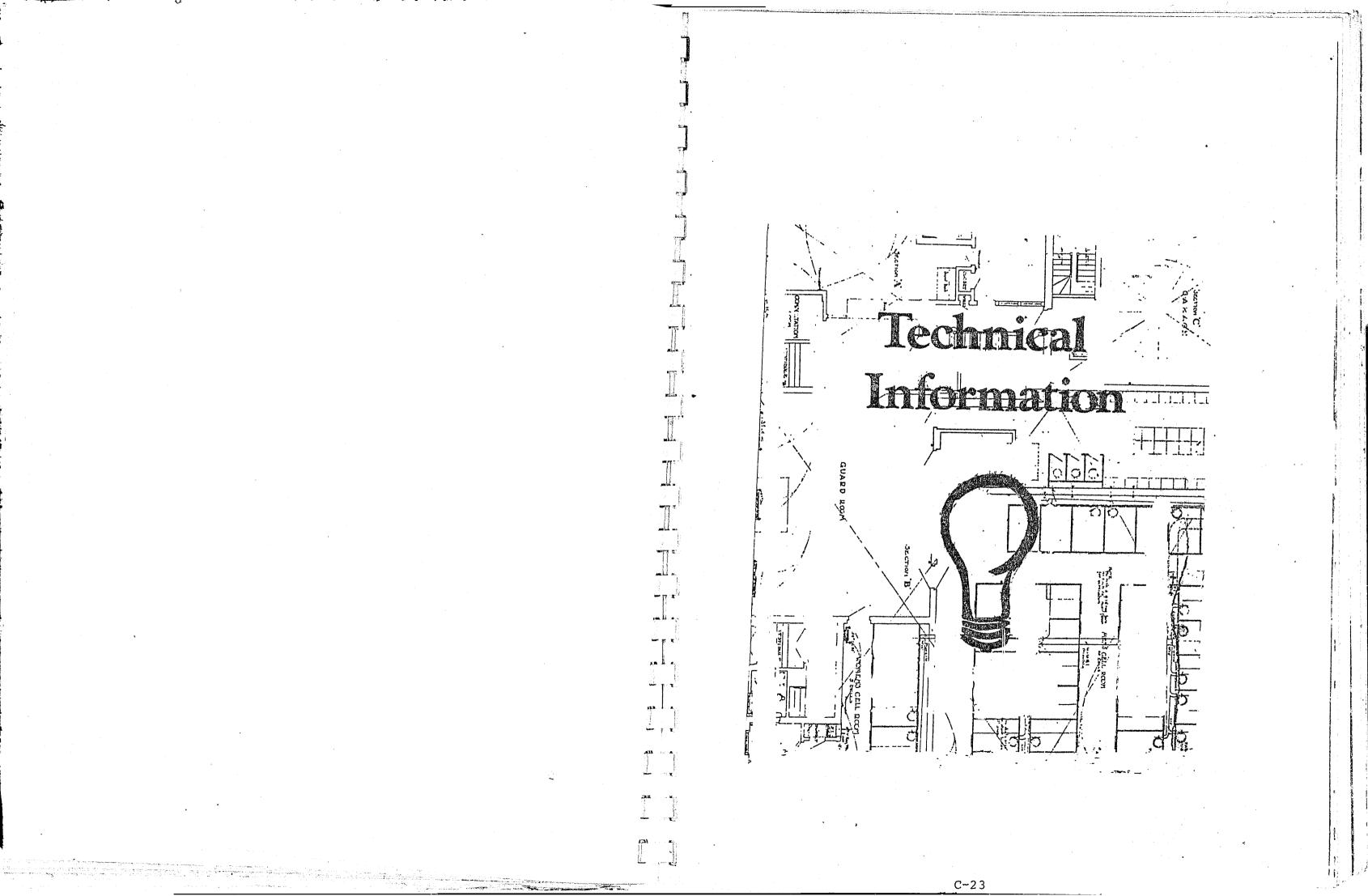
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ADDITIONAL COMMENTS MAIN COURTROOM This is a very ornate courtroom, with extensive detail 1 1 in ser incandescent fixtures). Sec. Same way . . . **.** . SECOND/ JUVENILE 1.174 The ceiling in this courtroom is arched, and extemely high. T. ಜ್ ್ಷಣ್ಣೆ c = 1rotunda area. #2.4. m 67 8 27.73 67.19

in the woodwork , the brass railings, the fixtures, and other finish materials. It has a high, oblate-domed ceiling from which hangs a huge brass chandelier, which still retains the original gas lantern fixtures (although it also has

Stairs in the back lead up to a balcony, which runs along all but the exterior wall. Above the balcony on the side wall is a huge leaded-glass archway, overlooking the



ACQUSTICS

reflect Noise is background noise; that is, an average noise level attributed to sources such as air rushing through ventilators, outside street traffic noise, flourescent balast hum, and others.

The noise level, for this study, was measured in decibels on an A-weighted scale (dBA units). The Aweighted scale compensates for human hearing deficiencies by adjusting the sound levels at each end of the audible frequency spectrum. For a detailed explan-ation of acoustic measurement, please refer to Sound Control Sonctruction*. For comparison, a table of typical noise levels and optimum background sound levels follows.**

| | Source/Room | Level (dBA) |
|---------|-----------------------|-----------------|
| Typical | Aircraft (near plane) | 140 |
| • • | Person shouting | 80 |
| | Average conversation | 50 |
| Optimum | Conference room | 35 [.] |
| • | Private offices | 35 - 45 |
| | Large general offices | 45 . |
| | Stenographic offices | 50 - 60 |
| | Courtroom | 35 - 45 |

Field measurements were made with either of two Bruel 6 Kjaer sound level meters, models #2203 or #2206. These are equipped with microphones which are nearly omnidirectional. The frequency response for the #2206 is 4Hz to 16KHz (- 2dB). The frequency response specifications for the #2203 are guite lengthy. (Instruction manual has specifics).

Flutter Echo occurs when a sound wave bounces continually between two parallel, acoustically reflec-tive surfaces. The magnitude of the sound has to be at an audible level, and the time between bounces must be great enough to make the noises distinguishable as separate sounds. Flutter echo usually sounds like a series of short pings.

To estimate flutter echo, a researcher claps his hands, producing an impulse sound, and then listens for its presence.

Experiention time is the duration of sound reflection in a space. It is defined as the time (in seconds) after a constant noise source ceases, that it takes for the original sound pressure level to decrease by one thousand (60 dB). The presence of flutter echo and reverberation times in this study were estimated

To estimate the reverberation time, a researcher coughs, producing a loud sound, and then listens for the rate of decay of the cough.

*Sound Control Construction, Second edition, prepared by the United States Gypsum Co., Chicago, Illinois 1972.

**Sound Control Construction, except for the courtroom data, which was obtained from Mr. Robert Newman, Professor of Architecture, Massachusetts Institute of Technology

***Illuminating Engineering Society, IES Mighting Himshock, New York: McGraw-Hill, 1964

LIGHTING

The ratings for lighting acceptability are based upon the accepted standards of light intensity as listed In ISS (Illumination Engineering Society) Mandbook***. These standards provide a comprehensive listing of the levels of light required for a multitude of tasks.

The standards specify required light levels in foot candles. (One foot candle is defined as the intensity of the light produced by one candle at a distance of one foot). For a given light source, the intensity of the emitted light is inversely proportional to the square of the distance between the source and the point of measurement; for example, if the intensity of a light source was measured as being 400 footcandles at a distance of one foot, at a distance of two feet, the intensity would drop to 100 footcandles. For this reason, the lighting standards refer to light intensity at the work surface. The following table of light requirements, which is representative of court activities, is an extract of a more exhaustive listing in the IES Handbook. *** Required

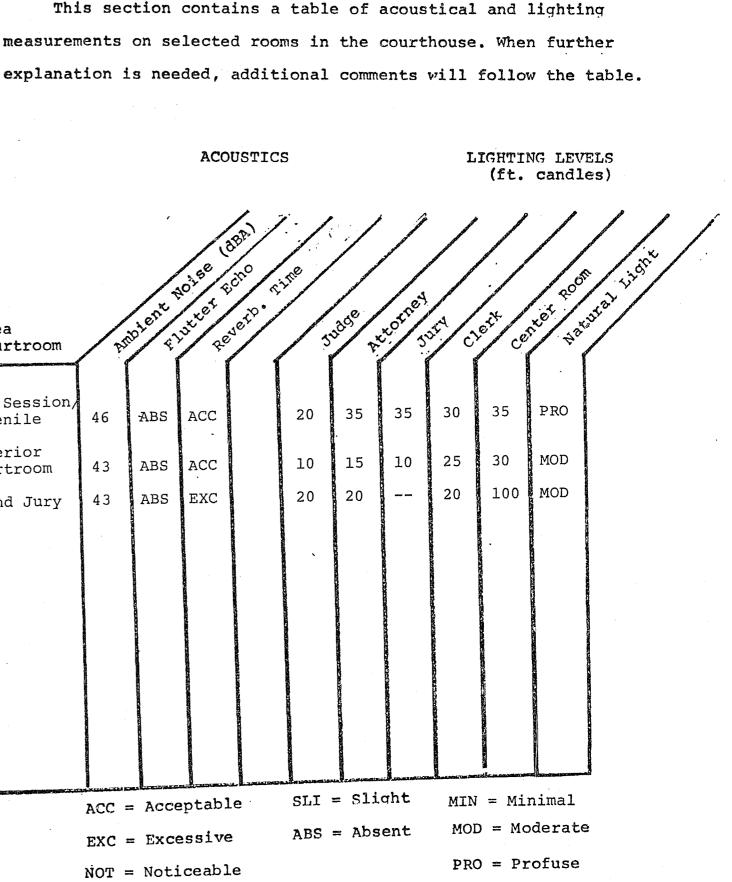
| Room | Function | Light (Footcandles) |
|-------------------------|--|------------------------|
| Courtrooms | seating area court activity area | 30` 70 |
| Library . | reading printed material study and note taking | L 30. 70 |
| Conference Room | interviewing | 30 |
| Offices (Accounting) | auditing, tabulating, bookkeeping, business machine operation, compu operation | 150 Iter |
| Offices (General) | Reading poor reproduc- tions, business machine operation, computer operation | 150 |
| | Reading handwriting in hard pencil or on poor paper, reading fair repr ductions | 100 |
| | Reading high contrast or well printed materials | 30 |
| Police | Jail cells | 30 |

Field measurements are made with GE 213 light meter. This meter is color and cosine corrected to give a linear response (accuracy ±15).

Light intensity is not the only factor affecting the illumination of a room. Natural light (sunlight, shaded light and overcast conditions) has a marked affect on the lighting level of a room. Glare from harsh lighting can hinder the ability of the occupants of the room to read and record information. These conditions, as well as other factors affecting the lighting, such as special deficiencies or annoyances, are noted when pertinent.

ACOUSTICS

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ADDITIONAL COMMENTS

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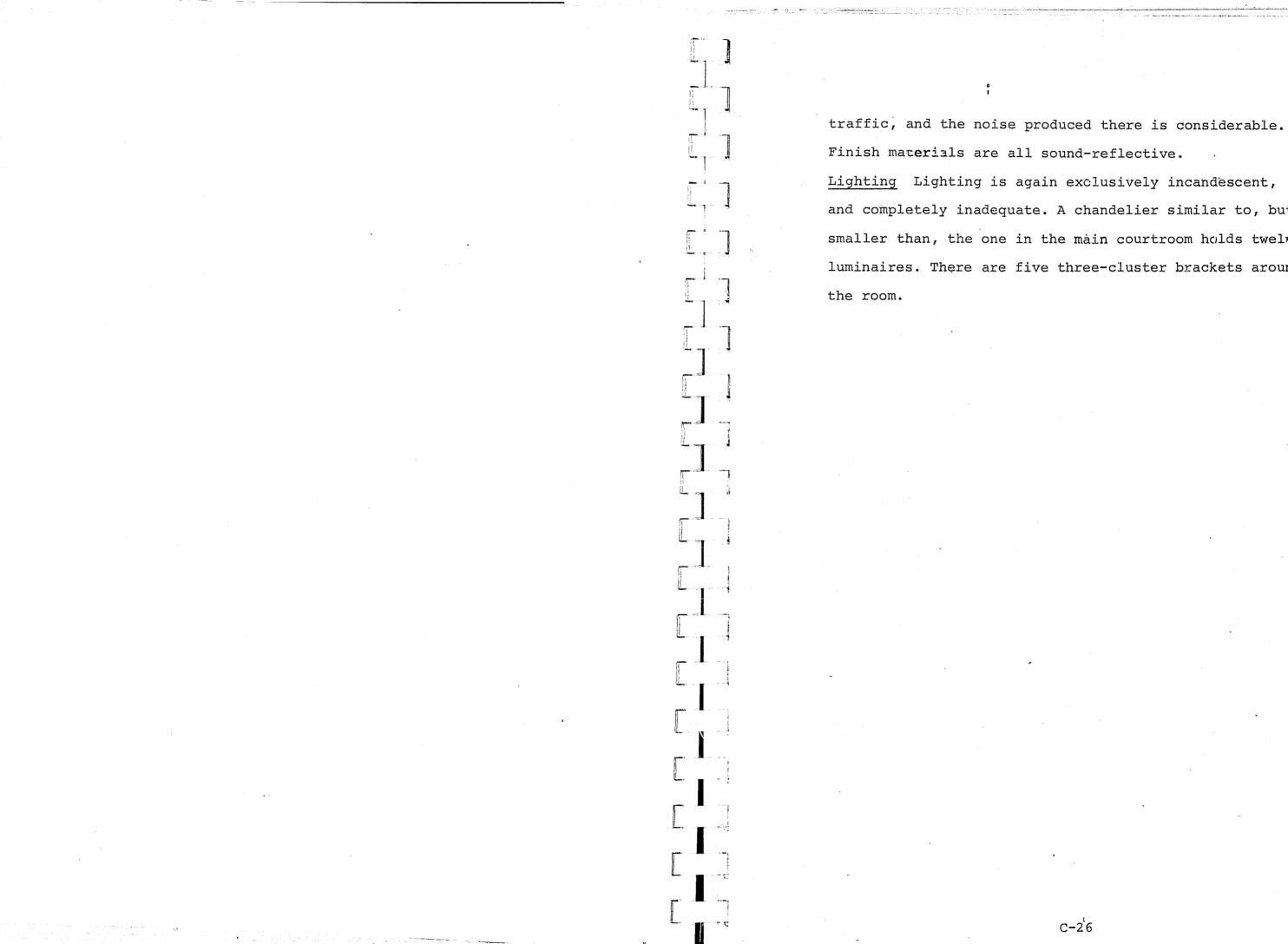
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Acoustics The primary ambient noise source is city traffic. Hallway noise is also quite audible, especially since the doors have grills in them, allowing noise to travel through them, as if there were no doors. The room is finished entirely with sound reflective materials. The domed ceiling creates unusual acoustical effects. At certain points in the room, whispers from the other side of the room seem almost to be amplified, due to the peculiar sound-reflecting geometry of the dome. This situation has been eliminated from the bench area by placing a baffle over the judge's and clerk's benches, Although there is no flutter echo, there is, in the case of impulse sound, an instantaneous single echo. Lighting There is one large round brass chandelier in the center of the room, which has 24 incandescent luminaires. There are also 2 clusters of three incandescent luminaires on both the front and back walls. The bulbs vary from 40 to 100 watts in value. The clerk, attorneys and court stenographer all have relatively ineffective supplementary luminaires. Levels everywhere are extremely poor.

SECOND/JUVENILE

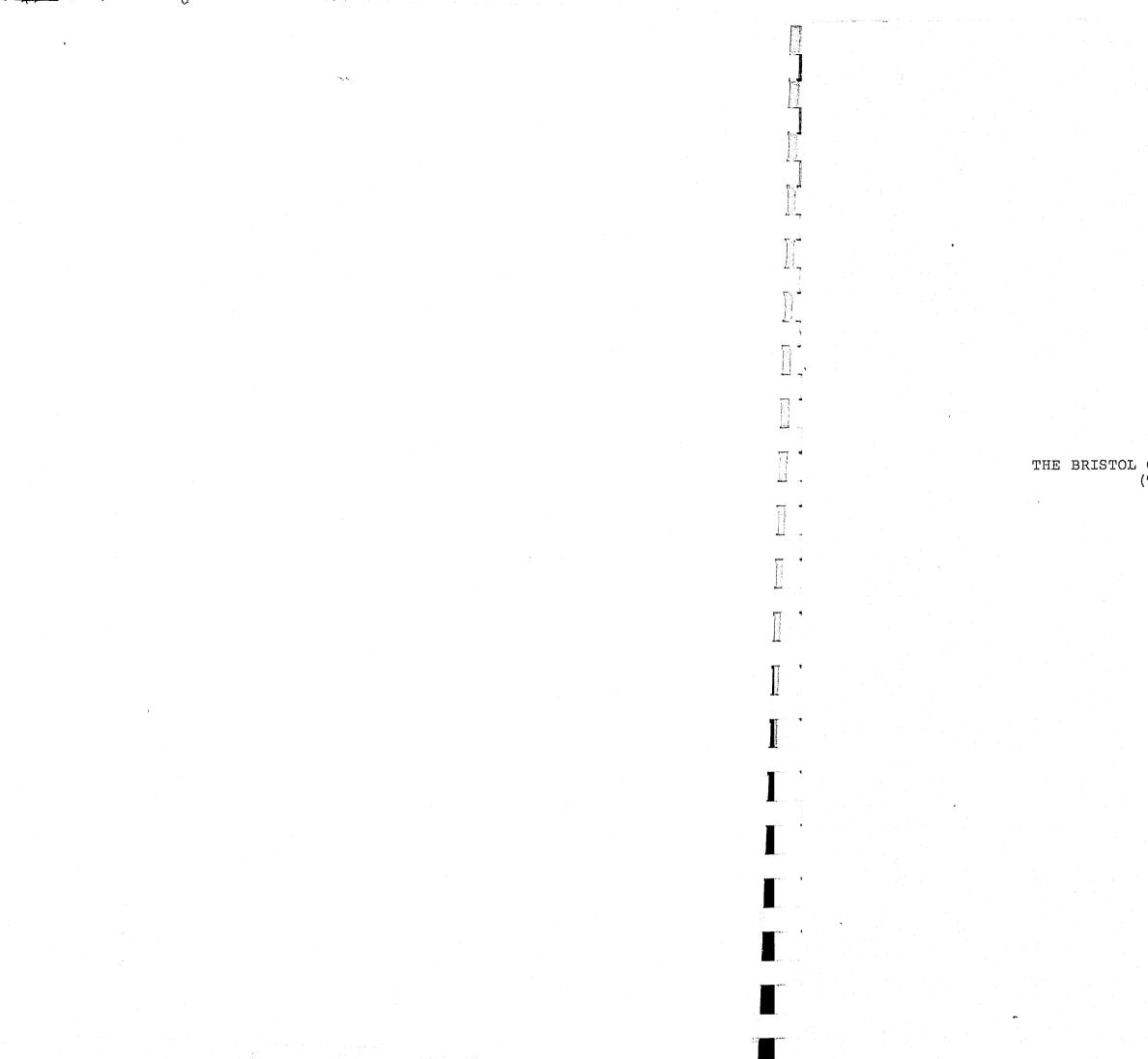
Acoustics The primary ambient noise source is traffic noise. The courtroom faces the Taunton Green, which has heavy

C-25



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Lighting Lighting is again exclusively incandescent, and completely inadequate. A chandelier similar to, but smaller than, the one in the main courtroom holds twelve luminaires. There are five three-cluster brackets around



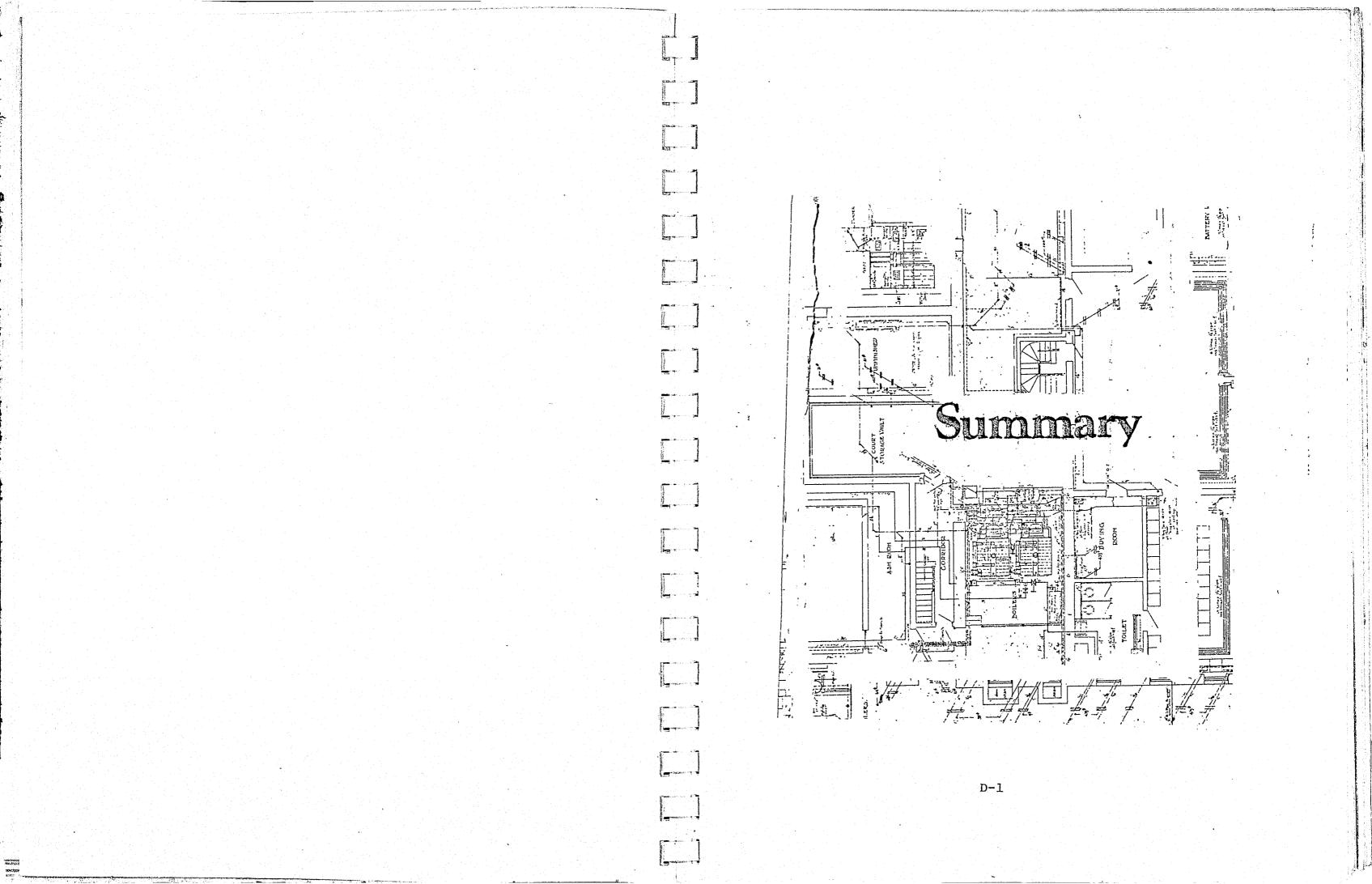
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THE BRISTOL COUNTY PROBATE COURT (TAUNTON)

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1 and a . . CONTENTS . *** 1967 B et •1-1 • SUMMARY يت أنقر BUILDING, ENVIRONME Photograph . . Architecture . Community Serve Transportat Courthouse Fund ŕ 94. . . ----Structure. . . Operating and FLOOR LAYOUTS . . . umar i 🕺 ROOMS 100 C COURTROOM RELATIONS TECHNICAL INFORMATI 851.9 ¥ . . Com-1 * . . 17.00 . . · •

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| ved, Neighborhood, | | | | | | | | | | | | | | | |
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| nc | ti | on | s | • | | • | ٠ | • | | • | • | • | D | 6 | |
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| SH | IP | S | • | | | • | | • | • | • | • | • | D | 15 | |
| IO | N | • | • | • | • | • | • | • | • | • | • | | D | 19 | |
| | | | | | | | | | | | | | | | |



Taunton is in fair condition. color tones are drab. expanded if needed. . د ب sometimes garbles speech. lighting levels in the other rooms are fair. 7 County Registry Building. 01944(1012) 01944(1012) 4074(1012) 4074(1012)

The Bristol County Probate Court, which occupies the second floor of the Bristol County Registry Building in

The structural system is sound. The heating, plumbing and electrical systems are generally adequate. The room finishes are adequately maintained. The

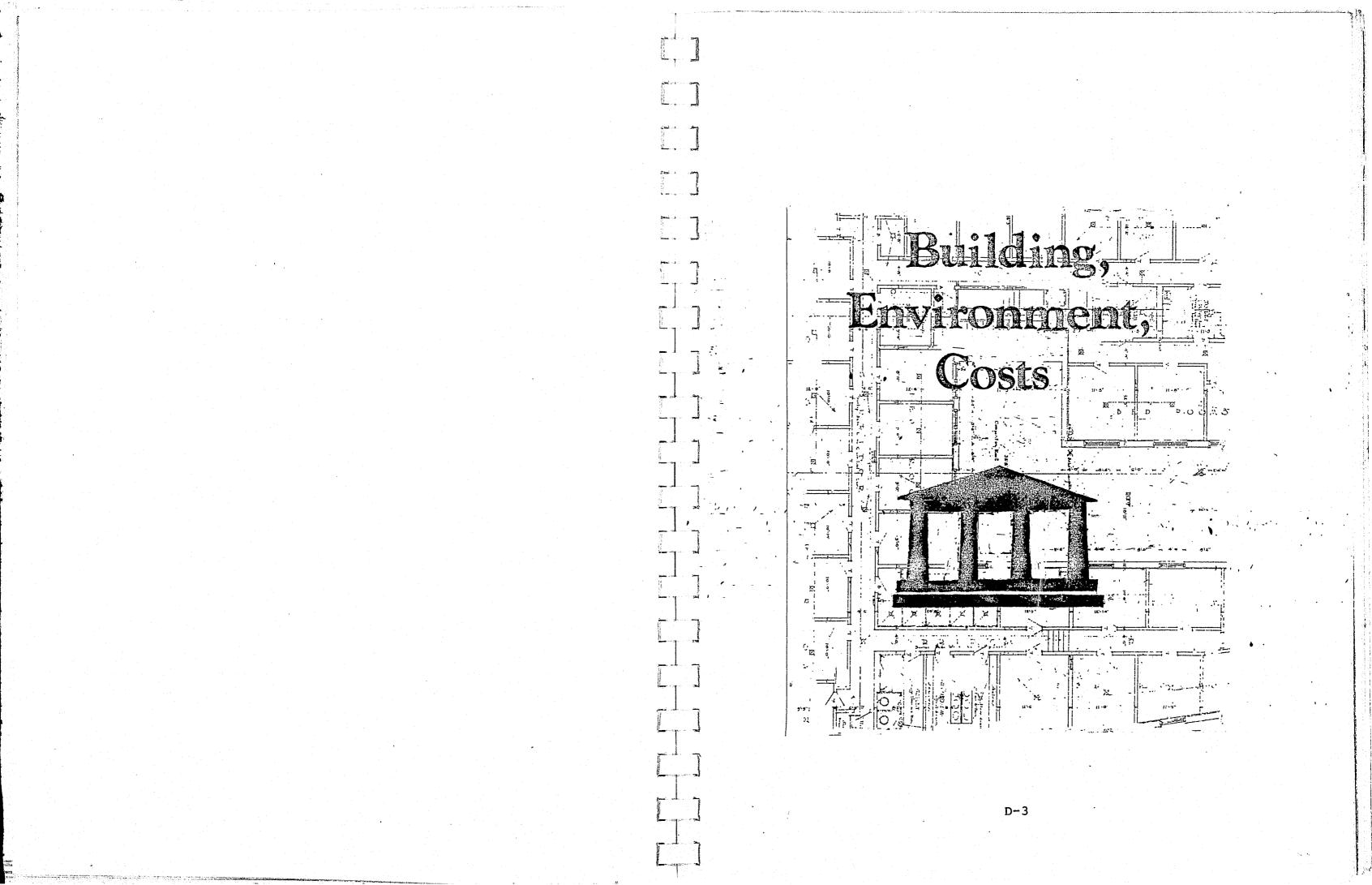
Storage space is currently adequate and may be

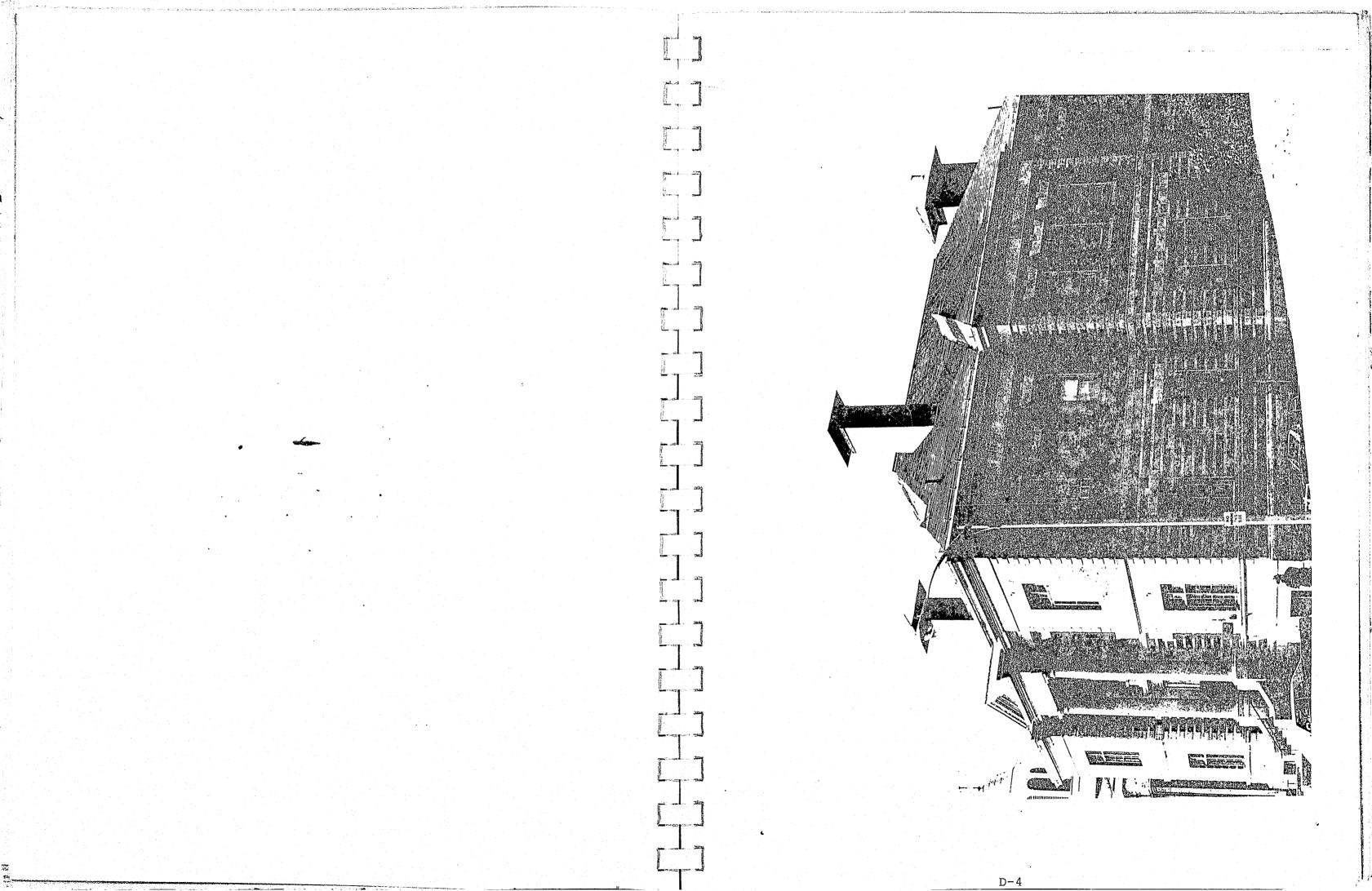
Many rooms have an excessive reverberation or a high level of background noise. In the Probate courtroom, the acoustics are fair, but the high reverberation echo

The Probate courtroom has poor lighting. The overall

Interview with Paul Cotter, Head Custodian, Bristol

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ARCHITECTURE Description The Registry Building is a two-story rectangular masonry building, constructed about 1870. A flight of stairs leading to the entrance is flanked by two columns that support a small pediment at the roof line. The building is primarily of brick, with stone detailing. It is set on a stone foundation . The foundation encloses the basement and is halfway above grade. The roofs are steep, hipped, and made of slate; they have large brick chimneys. There is a small lawn in the front and a driveway and parking lot on one side of the back of the courthouse. The District Courthouse is adjacent to the Registry. COMMUNITY SERVED, NEIGHBORHOOD, TRANSPORTATION Population The Probate Court in Taunton serves all of Bristol County, the population of which is 444,301 (U.S. 1970 Census). Neighborhood The Registry Building is on a busy street in downtown Taunton. It is situated between the District and Superior Courthouses. Across the street are the police station and some commercial buildings. Public Transportation A local bus service has a stop located near the Registry Building. Parking Parking spaces behind the building are reserved for the judge, the Register and the two Assistant Registers. The small parking lot is inadequate for employees; no space is provided for public parking.

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| COURTHOUSE FUNCTIONS |
|---|
| Schedule of Operation |
| Court in Taunton is as |
| September - June : J July : d August : nd |
| Space for Non-Court Per |
| occupies the first floo: |
| Courtroom and a shared |
| is unused, except the s |
| both Registries. |
| Security One deputy she |
| Public Address System |
| in the building. |
| Tape Recording The cou |
| recording sessions. |
| Visual Aids No visual a |
| Use of Graphics There |
| Court. Some rooms are l |
| space used by the Regis |
| are not used. |
| Rest Rooms Public rest |
| of the building. They are |
| ional signs for them. The |
| in the Registry of Proba |
| the Judge's Lobby and i |

The schedule for the Probate

follows.

M & Th, every 3rd W every 3rd W no sessions

rsonnel The Registry of Deeds or with the exception of the Probate conference room. Most of the basement storage room which is shared by

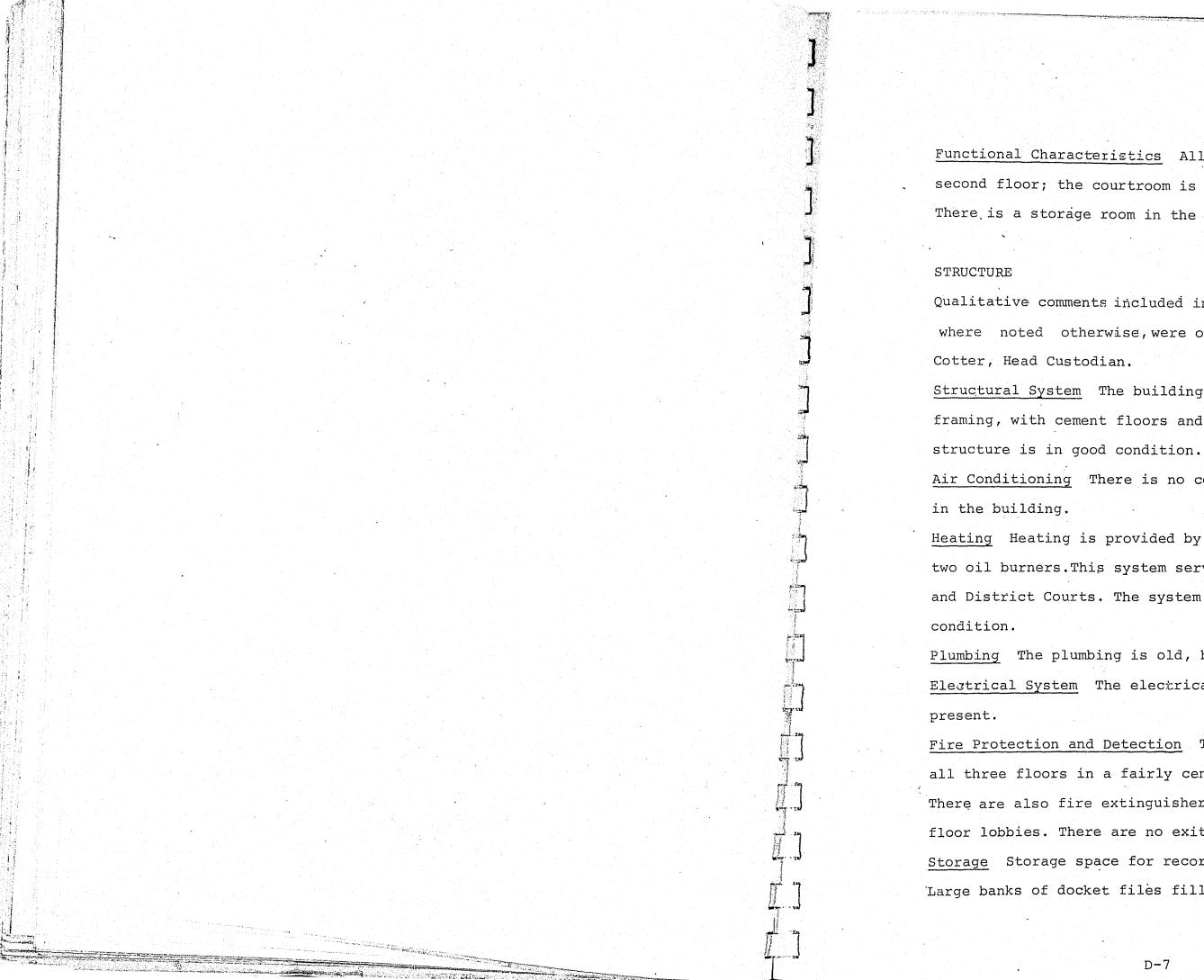
neriff is employed as needed. . There is no public address system

irt has no facilities for tape

aids are provided by the court, is no directory for the Probate labeled by function; much of the stry of Probate is open and labels

<u>Rest Rooms</u> Public rest rooms are located in the basement of the building. They are adequate, but there are no directional signs for them. There is a women employees' lounge in the Registry of Probate. There are private bathrooms in the Judge's Lobby and in the Register's office.

D-6



Functional Characteristics All offices are on the second floor; the courtroom is on the first floor. There is a storage room in the basement.

Qualitative comments included in this section, except where noted otherwise, were obtained from Mr. Paul

Structural System The building is constructed of steel framing, with cement floors and masonry walls. The

Air Conditioning There is no central air conditioning

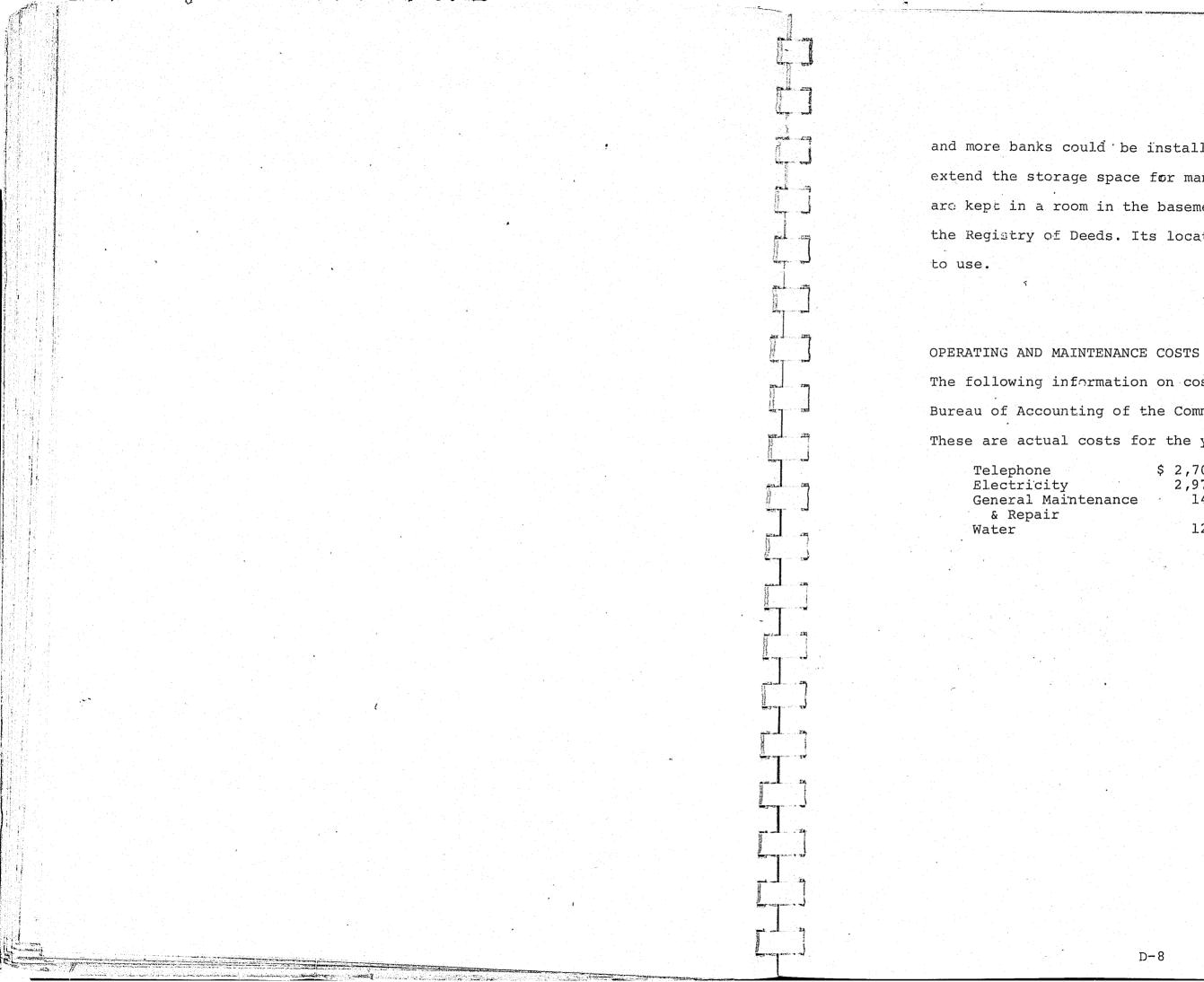
Heating Heating is provided by a steam system with two oil burners. This system serves the Superior, Probate and District Courts. The system is adequate and in good

Plumbing The plumbing is old, but adequate. Electrical System The electrical system is adequate at

Fire Protection and Detection There are fire hoses on all three floors in a fairly central and visible location. There are also fire extinguishers in the first and second floor lobbies. There are no exit signs.

Storage Storage space for records is presently adequate. Large banks of docket files fill most of the file room,

D-7

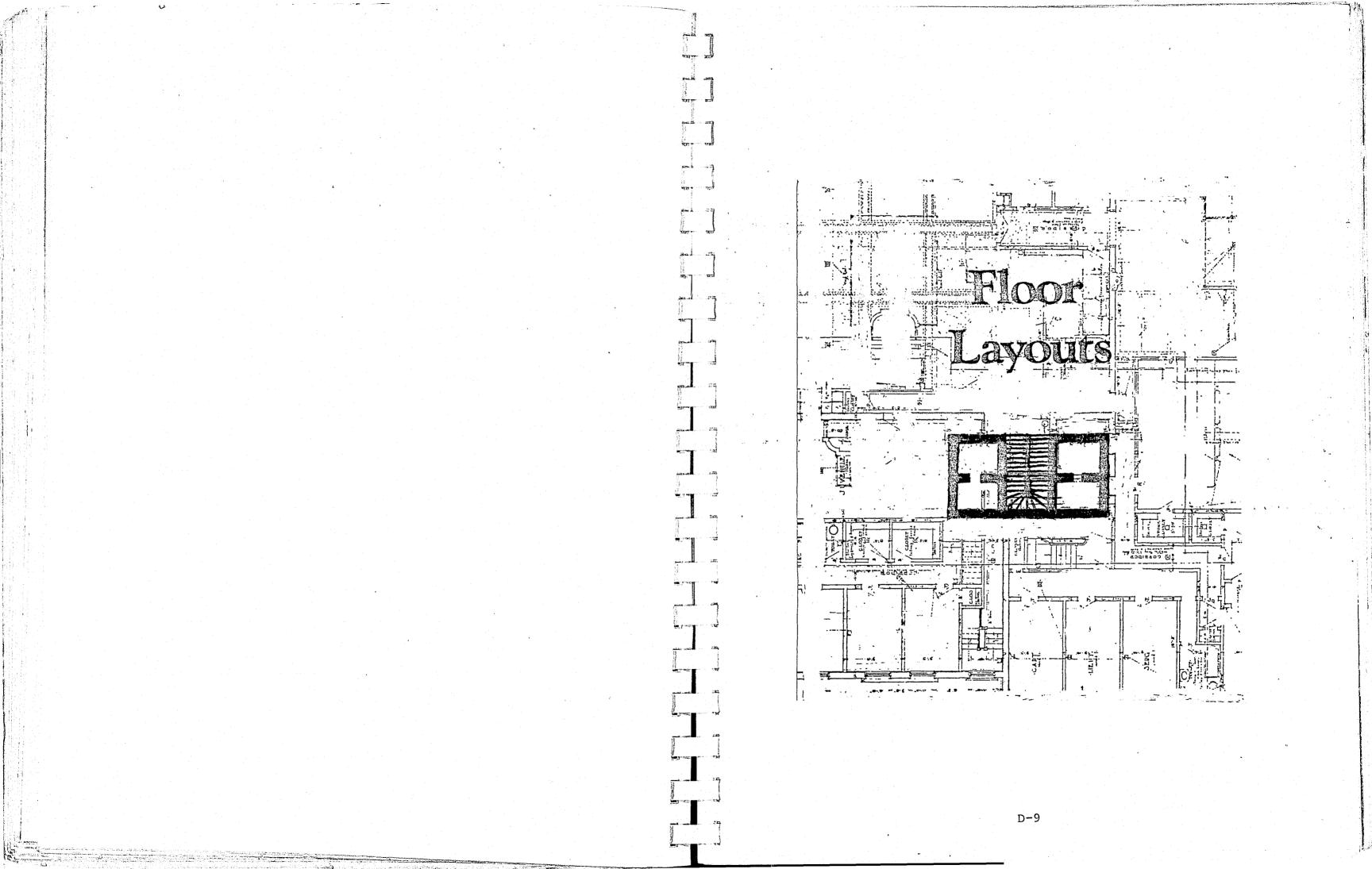


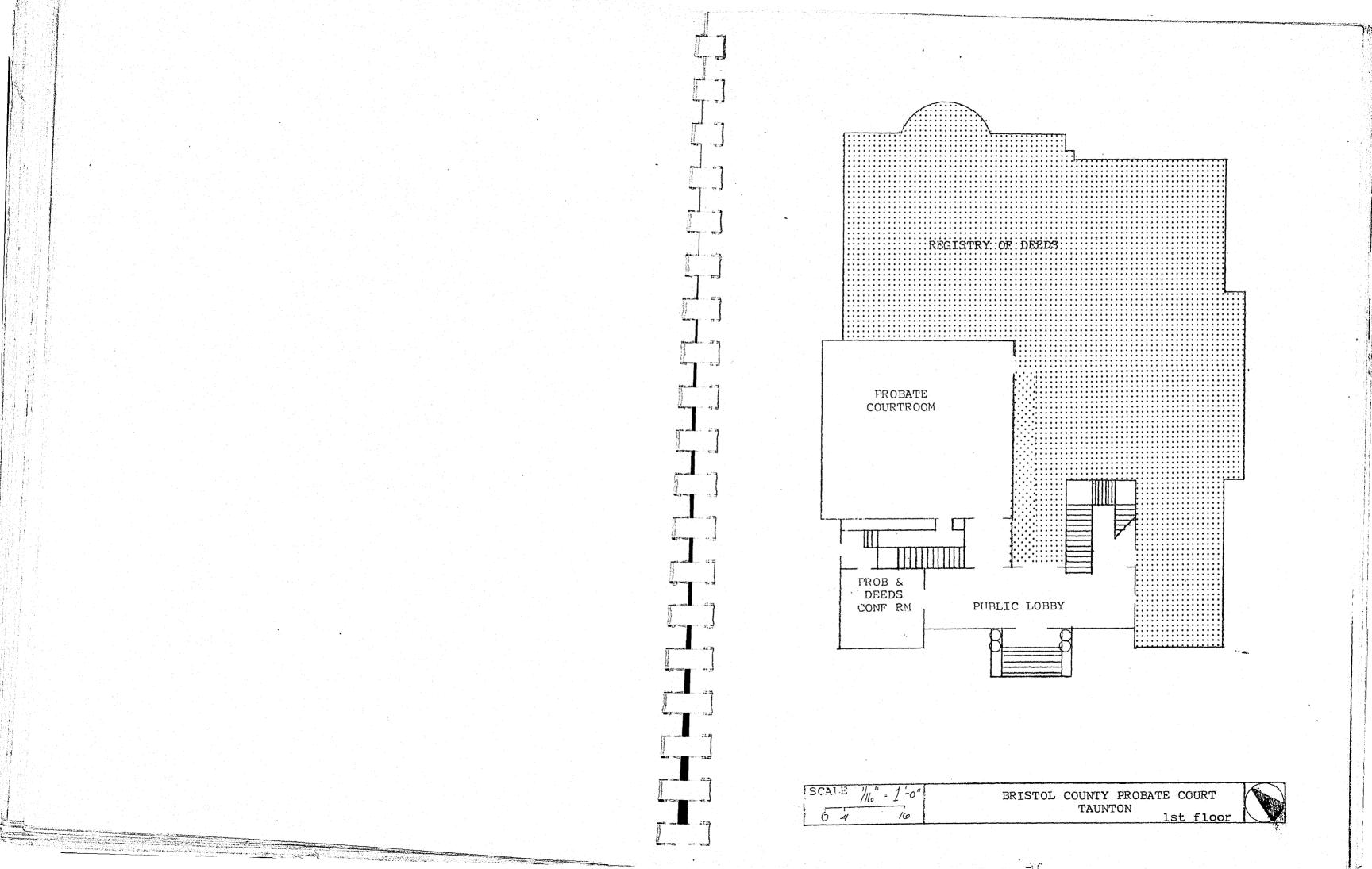
and more banks could be installed. This would extend the storage space for many years to come. Supplies are kept in a room in the basement that is shared with the Registry of Deeds. Its location makes it inconvenient

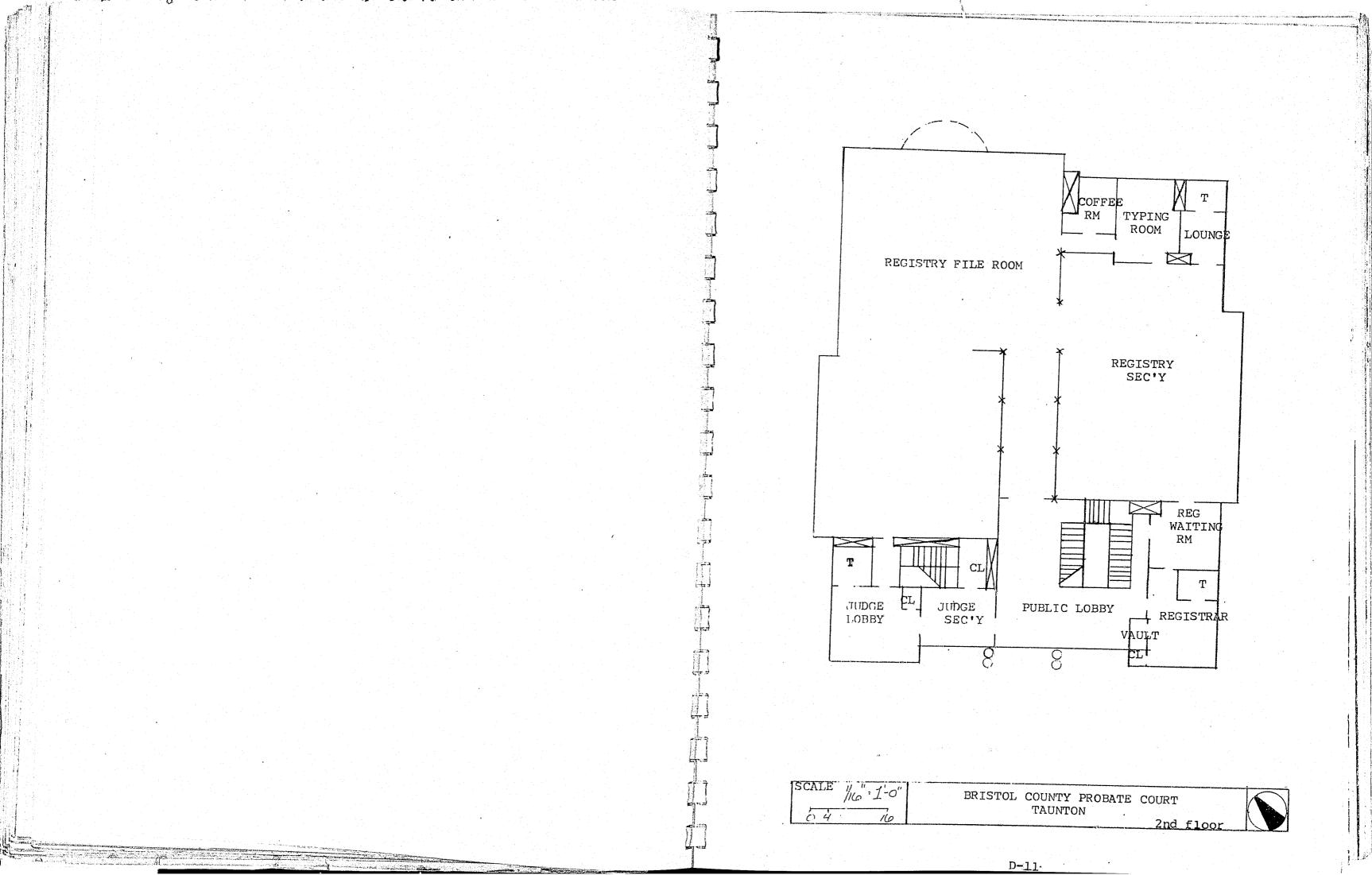
The following information on costs was obtained from the Bureau of Accounting of the Commonwealth of Massachusetts. These are actual costs for the year 1972-1973.

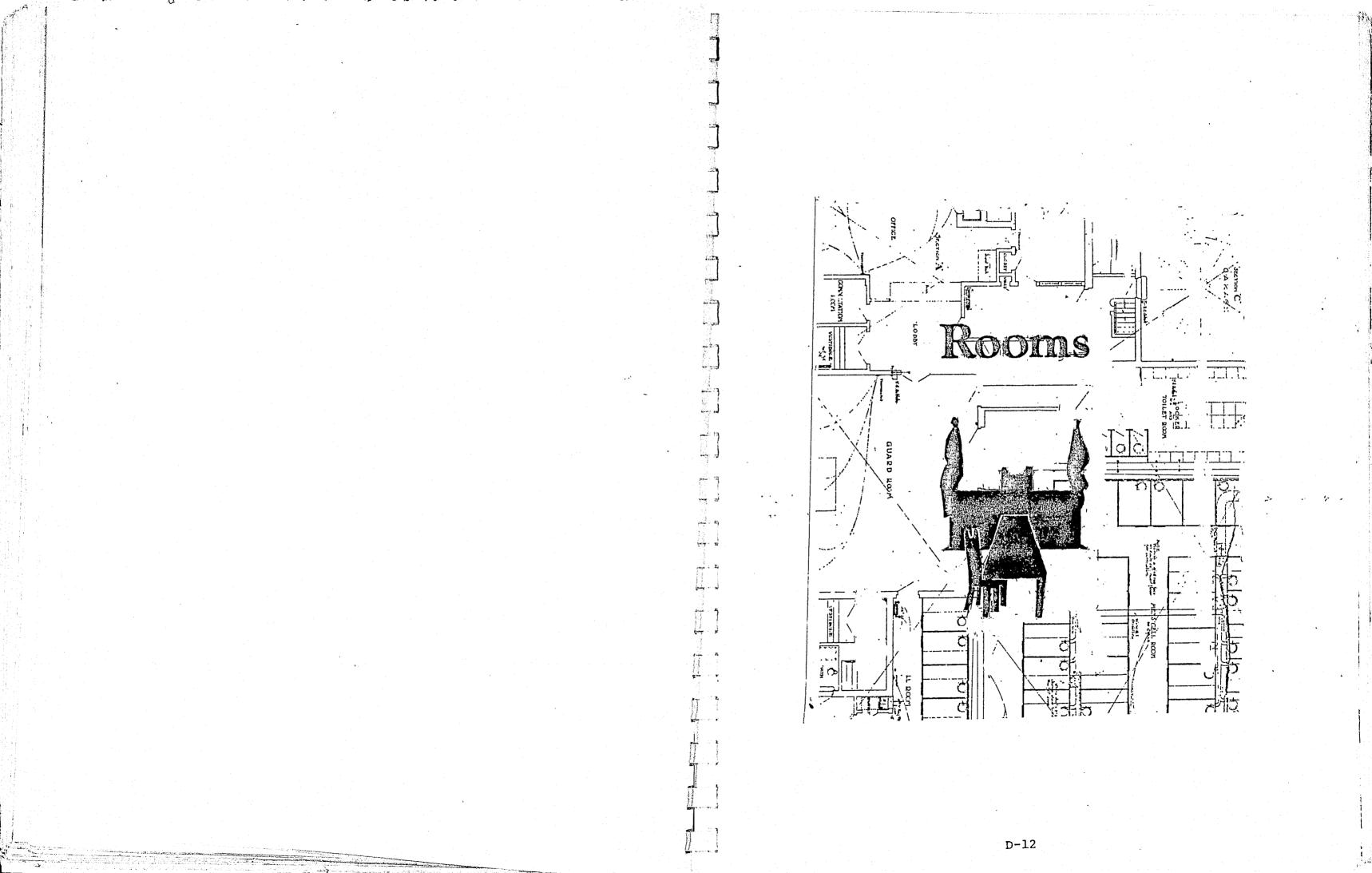
| | \$ 2,700.00 |
|---------|----------------|
| • | 2,970.84 |
| tenance | 144.85 |
| | |

124.30









| Criteria | |
|--|--|
| Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page, (square footage, type of access, finish, acoustics | Tone: A subjective evaluation of the color tone of the room based on the following rating scale: <u>Dright and Cheerful</u> <u>Drab and Austore</u> |
| Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage | Parcent (%) of Windows: The approximate percentage of the total wall area of the room which is composed of glass. |
| Other areas such as closets, restrooms, elevators and stairways are not surveyed at all. | Weight: The floor to cailing height. |
| Definitions | ACOUSTICS The accoptability of the acoustics of each room is based upon measurements of ambient noise lovel (dbA), and upon reverberance characteristics (flutter who and reverberation time). |
| AREA Total floor area including work space, circulation space, and storage in square feet. | Maing Explanation |
| ACCESS The degree to which public entry into a room is restricted | Acc Acceptable: Noise level and reverboration time are within standards for each room function; flutter scho is absent or slight. |
| Pub Public: Access is unrestricted to general autom | Un N Unacceptable: Noise level exceeds standard or inter- |
| doors, counters, or graphics | Un R Unacceptable: Notleaable flutter echo or excessive reverberation time. |
| Sec Secure: Access is restricted by guard, receptionist. | Un NR Unacceptable: Both Un N and Un R LIGHTING |
| NUMBER OF USERS The estimated seating capacity of a room for users. and spectators, based upon current furnishing. FINISH Finish (Matt): Frequencies Codes p - painted ABT - Asbestos Tile CX - Cork S - Stone g - glazed AP - Acoustic Plaster CRT - Ceramic Till's Sa' - Sound B - Brick G - Class T - Concrete Absorbing BC - Bookcase M - Metal V - Vinyl CB - Concrete Block PR - Paper WP - Wood Candition (Condin): Rating Explanation Good Condition of surface indicates source damage: - Small - scale corrective maintenance are necessary to retard deterioration of condition. Poor Condition of surface indicates severe damage. Large scale corrective maintenance is necessary to prevent | Type: Refers to type of light fixtures in the room. I - Incandescent I/F - Combination incandescent/ fluorescent F - Fluorescent fluorescent Lewel: Ratings of the acceptability of light in the room ar/ footcandles) and the accepted standards of light levels (in footcandles) and the accepted standards of light requirements Nating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for some functions are standard; others are substandard. Poor Light levels for all functions are substandard. AIR CONDITIONING: The symbols indicate the type of air conditioning, if present, in the room. N No air conditioning present. C Central air conditioning units. R Room air-conditioning units. R Room air-conditioning units. R No air conditioning units. |
| Refer to technical information section for further explanation | |
| | FINISH |
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BASEMENT

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|--|-----|-----|---|-----------|------|---|----|---|------|----|------------|-----|------|-------|------|---|
| Probate Stock Room & Registry of Deeds | 785 | SEC | | | | | | | | | | | | | | |
| | | | | | | | | | | | | - | | | | |
| FIRST FLOOR | | | | | | | - | | | | | | | | | |
| Probate & Deeds Conference Room | 280 | PUB | 9 | √9W Pq | FAIR | 3 | 20 | ۲ | GOOD | Pq | GOOD | 15' | UnNR | I | POOR | N |

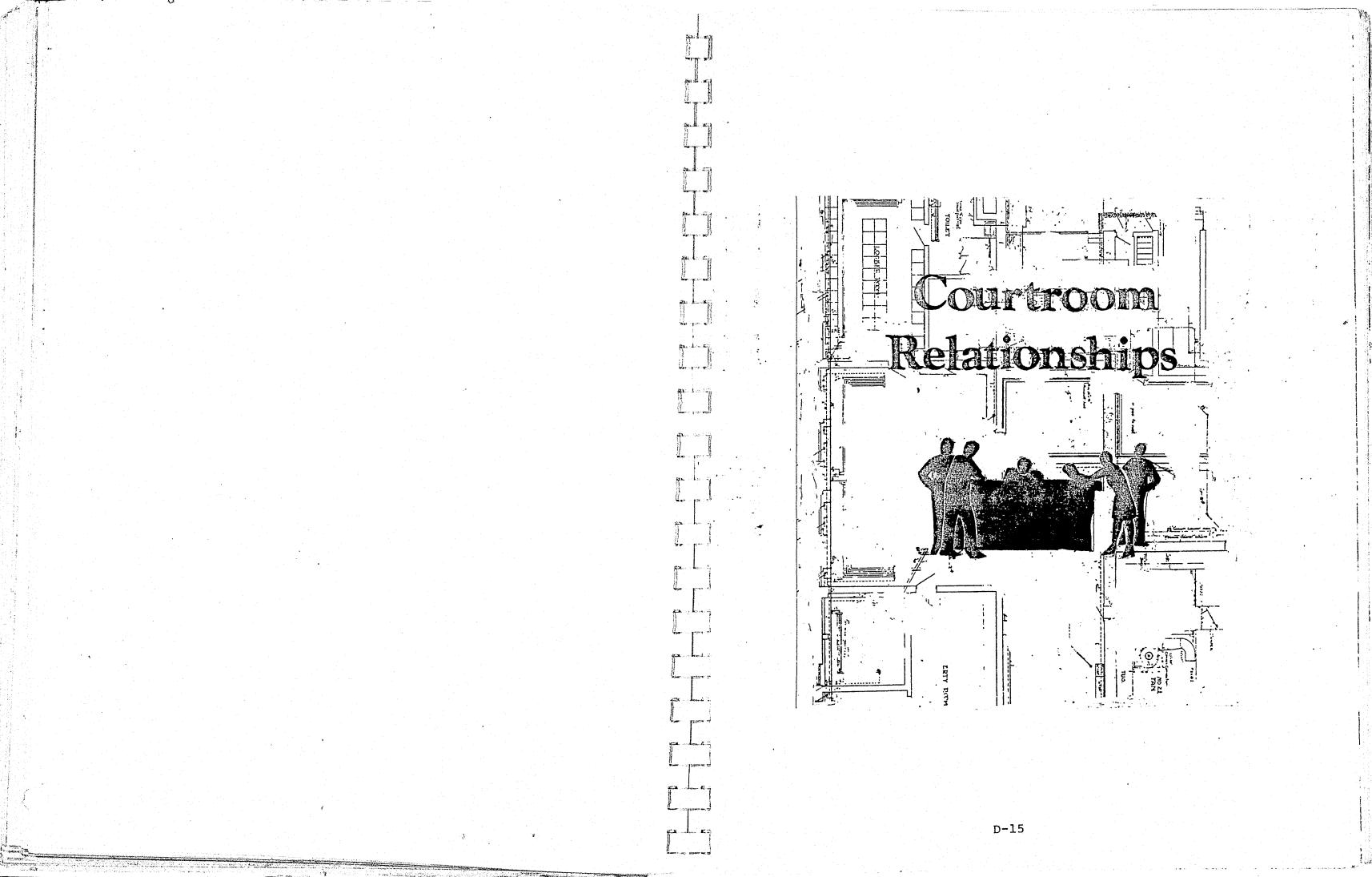
| Conference Room | 280 | PUB | 9 | pP | FAIR | 3 | 20 | Ý | GOOD | pP | GOOD | 15' | UnNR | I | POOR | N |
|------------------------------|------------------|-------------|--------|-------------|-----------|----|-----|-----|------|----|------|-----|------|-----|------|----------|
| Probate Courtroom | 1440 | PUB | 75 | WP/ pP | FAIR | 2 | 20. | c/v | FAIR | pР | FAIR | 15' | UnR | I/F | POOR | N |
| Public Library | 520 | PUB | 0 | S/ Pa | GOOD | 3 | 10 | Т | FAIR | Pq | GOOD | 15' | UnR | I | FAIR | N |
| | | | | | | | | | | | | | | | | |
| SECOND FLOOR | | | | | · | | | | | | - | | | | | |
| Judge's Lobby | 250 | PRV | 6 6 | ₽/BC ₽ | / GOOD | 5. | 20 | с | GOOD | pP | GOOD | 15' | ACC | I | FAIR | N |
| Judge's Sec'y | 190 | SEC | 3 | WP/ pP | GOOD | 5 | 10 | Ċ | GOOD | pP | GOOD | 15' | ACC | I | FAIR | N |
| Public Lobby | 580 | PUB | 5 | S/ Pq | GOOD | 3 | 10 | T | FAIR | pP | GOOD | 15' | UnR | I | POOR | N |
| Register | 1.90/ | PRV | 3 | WP/ pP | FAIR | 3 | 25 | c/v | FAIR | pP | GOOD | 15' | UnN | F | GOOD | 1W |
| Register Waiting Room | 180 [,] | PRV | -5 | WP/ pP | GOOD | 2 | 10 | v | FAIR | рP | POOR | 15' | ACC | F | GOOD | N |
| Registry Sec'y | 1800 | PUB/ PRV | 10 | · pP/ BC | FAIR | 2 | 25 | v | FAIR | ٩q | FAIR | 15' | UnR | F | FAIR | |
| Registry File Room | 3250 | PRV | 20 | pP/ BC | FAIR | 2 | 20 | т | FAIR | pP | POOR | 15' | UnR | F | FAIR | <u>N</u> |
| Ladies Lounge & Coat Boom | 80 | PRV | 2 | pР | POOR | 2 | 10 | T | POOR | P | FAIR | 15' | ACC | F | GOOD | <u>N</u> |

Criteria

| Courtrooms, officer have | based and the statustion of the sales |
|--|---|
| - Villes, nearing rooms | based on the following rating scale: |
| Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing area surveyed for (square footage the surveyed for | 그 것 같은 것 같 |
| all of the information in the teleficities are surveyed for | 5 Drab and Austere |
| all of the information in the table on the facing page, (square footage, type of access, finish accounting | 3 2 |
| | Paragent (1) of us a |
| | Parcant (1) of Windows: The approximate percentage of the total wall area of the room which is composed of glass. |
| surveyed for only the square footage. | |
| | Height: The floor to ceiling height. |
| Other areas such as closets, restrooms, elevators and stairways are not surveyed at all. | - The liber to ceiling height. |
| mot surveyed at all. | |
| | ACOUSTICS The acceptability of the acoustics of each room is based |
| | upon measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter echo and reverberation time)." |
| | characteristics (flutter echo and reverberation time). |
| Definitions | (Litucter ecno and reverberation time), reverberance |
| | |
| | Rating Explanation |
| storage Total floor area including work space circuit | |
| AREA Total floor area including work space, circulation space, and storage in square feet. | Acc Acceptable: Noise level and reverberation time are within standards for each room functions for the are |
| ACCESC million | within standardy for and reverberation time are |
| necess the degree to which public entry into a set | within standards for each room function; flutter echo is absent or slight. |
| ACCESS The degree to which public entry into a room is restricted. | · · · · · · · · · · · · · · · · · · · |
| Symbol Explanation • | Un N Unacceptable: Noise level exceeds standard or inter- feres with room function. |
| | feres with room function. |
| Pub Public: Access is unrestricted to general public. | |
| Prv Private A | Un R Unacceptable: Noticeable finite |
| Private: Access is | Un R Unacceptable: NotLceable flutter echo or excessive reverberation time. |
| doors, counters, or graphics. | |
| Jacphica. | Un NR Unacceptable: Both Un N and Un R |
| Occure: Access is weather in a | and Un R |
| | LIGHTING |
| NUNBER OF USERS The second | Type: Refers to type of light fixtures in the room. |
| NUMBER OF USERS The estimated seating capacity of a room for users and spectators, based upon current furnishing | to type or light fixtures in the room. |
| and spectators, based upon current furnishing. | |
| FINISH | F - Fluorescent I/F - Combination incandescent/ |
| Miteriala (Matt: | Level: Patience of the fluorescent |
| | Level: Ratings of the acceptability of light in the room are footcandhead with the second light in the room are |
| 🚹 e 🚰 la trata de la companya de la | based upon comparisons between the measured light in the room are footcandles) and the accepted standards of light levels (in |
| itejixaa Coles | |
| | |
| | |
| P - Dainted and | Ration |
| P' - painted ABT - Asbestos Tile CS - Cork | Rating Explanation |
| P = painted ABT = Asbestos Tile CX = Cork S = Stone $g = glazeu$ AP = Acoustic Plaster CRT = Ceramic Tile SA = Sound t = textured AT = Acoustic Tile CT = Ceramic Tile SA = Sound | Rating Explanation Good Light levels for all f |
| P' - painted ABT - Asbestos Tile CK - Cork S - Stone g = glazeŭ AP - Acoustic Plaster CRT - Ceramic Tile SA - Stone t - textured AT - Acoustic Tile CT - Concrete Absorbing | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards |
| $ \begin{array}{cccccc} p & - painted & ABT & - Asbestos Tile & CK & - Cork & S & - Stone \\ g & - glazeŭ & AP & - Acoustic Plaster CRT & - Ceramic Tile & SA & - Sound \\ t & - textured AT & - Acoustic Tile & CT & - Concrete & Absorbing \\ B & - Brick & G & - Glass & T & - Terrazzo \\ BC & - Bookcase & G & - Glass & T & - Terrazzo \\ \end{array} $ | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for |
| P - painted ABT - Asbestos Tile CK - Cork S - Stone g - glazeŭ AP - Acoustic Plaster CKT - Ceramic Tile SA - Sound t - textured AT - Acoustic Tile CT - Concrete Absorbing B - Brick G - Glass T - Terrazzo C - Carpet M - Metal V - Viovi | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for some functions are standard; others are substandard |
| P - painted ABT - Asbestos Tile CK - Cork S - Stone g - glazeŭ AP - Acoustic Plaster CKT - Ceramic Tile SA - Sound t - textured AT - Acoustic Tile CT - Concrete Absorbing B - Brick G - Glass T - Terrazzo BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Wood | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for some functions are standard; others are substandard |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for some functions are standard; others are substandard. Poor Light levels for all functions are substandard. |
| P - painted ABT - Asbestos Tile CK - Cork S - Stone g - glazeù AP - Acoustic Plaster CKT - Ceramic Tile SA - Sound t - textured AT - Acoustic Tile CT - Concrete Absorbing B - Brick G - Glass T - Terrazzo BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Wood CB - Concrete Block PR - Paper WP - Wood Paneling Paneling Paneling | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for some functions are standard; others are substandard. Poor Light levels for all functions are substandard. AIR CONDITIONING The second standard standard. |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for some functions are standard; others are substandard. Poor Light levels for all functions are substandard. AIR CONDITIONING The second standard standard. |
| P - painted ABT - Asbestos Tile CK - Cork S - Stone g - glazeŭ AP - Acoustic Plaster CKT - Ceramic Tile SA - Sound t - textured AT - Acoustic Tile CT - Concrete Absorbing B - Brick G - Glass T - Terrazzo C - Bookcase M - Metal V - Vinyl CB - Concrete Block P - Plaster W - Wood Value Void CB - Concrete Block PR - Paper WP - Wood Paneling Paneling Rating | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for some functions are standard; others are substandard. Poor Light levels for all functions are substandard. AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. |
| P - painted ABT - Asbestos Tile CK - Cork S - Stone g - glazed AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound E - Stone Absorbing t - textured AT - Acoustic Tile CT - Concrete Absorbing BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Wood CB - Concrete Block PR - Paper WP - Wood Paneling Rating Explanation Good Condition of surface char C | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Fair Light levels for some functions are standard; others are substandard. Poor Light levels for all functions are substandard. AIR CONDITIONING The symbols indicate the type of air Symbol Symbol |
| <pre>p - painted ABT - Asbestos Tile CK - Cork S - Stone g - glazeŭ AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound B - Brick G - Class T - Terrazzo BC - Bookcase M - Metal V - Vinyl CB - Concrete Block PR - Paper WP - Wood paneling Rating Explanation</pre> | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for some functions are standard; others are substandard. Poor Light levels for all functions are substandard. AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. Symbol Explanation |
| <pre>p - painted ABT - Asbestos Tile CX - Cork S - Stone g - glazeŭ AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound B - Brick G - Class T - Terrazzo BC - Bookcase M - Metal V - Vinyl CB - Concrete Block PR - Paper WP - Wood paneling Rating Explanation Good Condition of surface abs</pre> | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for some functions are standard; others are substandard. Poor Light levels for all functions are substandard. AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. Symbol Explanation N No air conditioning present. |
| p- painted ABT - Asbestos Tile CK - Cork S - Stone g- glazeŭ AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound b - Brick G - Class T - Terrazzo BC - Bookcase M - Metal V - Vinyl CC - Carpet P - Plaster W - Wood CB - Concrete Block PR - Paper WP - Wood Paneling Rating Explanation Good Condition of surface shows no sign of damage. Continued condition, | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for some functions are standard; others are substandard. Poor Light levels for all functions are substandard. AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. Symbol Explanation N No air conditioning present. C Central air conditioning. |
| p - painted ABT - Asbestos Tile CK - Cork S - Stone g - glazeŭ AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound b - Brick G - Chass T - Terrazzo b - Bookcase M - Metal V - Vinyl c - Carpet P - Plaster W - Wood c - Concrete Block PR - Paper WP - Wood c - Modition (fundth): Rating Explanation Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this Fair Condition of surface lade | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for some functions are standard; others are substandard. Poor Light levels for all functions are substandard. AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. Symbol Explanation N No air conditioning present. C Central air conditioning. |
| p - painted ABT - Asbestos Tile CX - Cork S - Stone g - glazeŭ AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound B - Brick CT - Concrete Absorbing BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Wood CB - Concrete Block PR - Paper WP - Wood Paneling Rating Explanation Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this Fair Condition of surface indicates some damage. Small | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for some functions are standard; others are substandard. Poor Light levels for all functions are substandard. AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. Symbol Explanation N No air conditioning present. C Central air conditioning. |
| p - painted ABT - Asbestos Tile CK - Cork S - Stone g - glazeŭ AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound b - Brick CT - Concrete Absorbing b - Brick G - Glass T - Terrazzo c - Carpet P - Plaster W - Vinyl CB - Concrete Block PR - Paper WP - Wood Cardition (Condtn): Rating Explanation Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this Fair Condition of surface Indicates some damage. Small | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for some functions are standard; others are substandard. Poor Light levels for all functions are substandard. AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. Symbol Explanation N No air conditioning present. C Central air conditioning. W Window air conditioning units. |
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| p - painted ABT - Asbestos Tile CK - Cork S - Stone g - glazed AP - Acoustic Plaster CAT - Ceramic Tile SA - Sound b - Brick G - Concrete Absorbing BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Wood CB - Concrete Block PR - Paper WP - Wood Paneling Rating Explanation Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this Fair Condition of surface indicates some damage. Small scals - cylirs and corrective maintenance are necessary to retard deterioration of condition. | Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Fair Light levels for some functions are standard; others are substandard. Poor Light levels for all functions are substandard. AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. Symbol Explanation N No air conditioning present. C Central air conditioning. W Window air conditioning units. R Room air-conditioning units (n)W Indicates multiple units |

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| ROOM | (sq. ft.) | ACC- ESS | | Mat | Condtn | Tone | 2 of Wind | Mat | Condtn | Mat | Condtn | Ht | ACOU- STICS | | Level | AIR | |
| Typing Room | 190 | PRV | 6 | pP | FAIR | 2 | 20 | т | GOOD | pР | POOR | 15' | ACC | F | GOOD | N | 1 |
| Coffee Room | 100 | PRV | 5 | рР | FAIR | 2 | 15 | V | FAIR | pР | FAIR | 15' | ACC | F | GOOD | N | |
| Probate Vault | 20 | SEC | | | | | | | | | | | | | | | |
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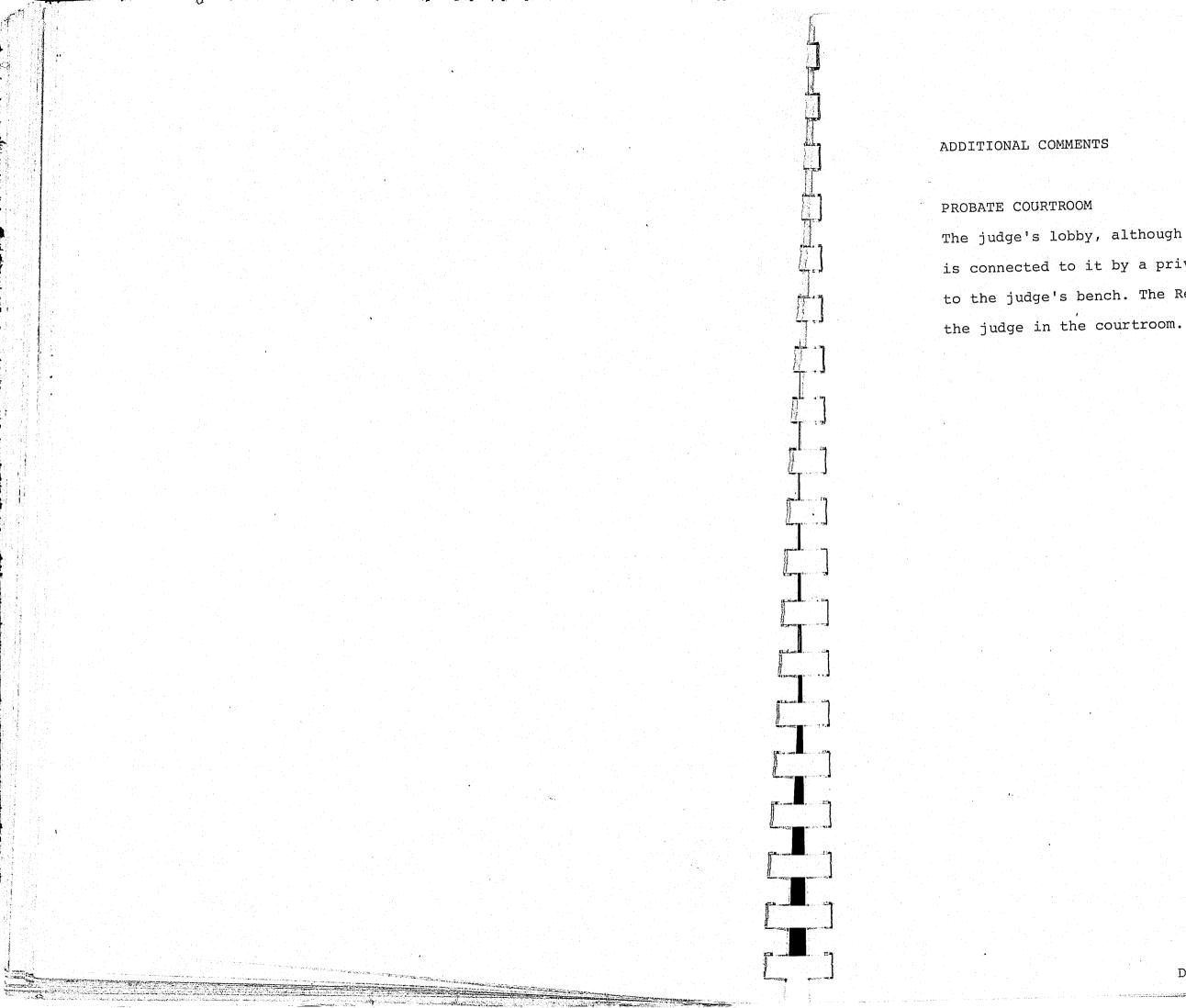


| | JUDGE | Can the Judge see the e | Can the Judge hear the | Can the Judge hear the Is the Judge's lobby ad courtroom? | Is there a bathroom in | Is the Judge's lobby pr | Is the Judge's lobby se | JURY What size jury can the accomodate? | Approximately how far a public? | Approximately how far a litigants? Can the Jurors see With | face? | Can the Jurors see the Can the Jurors see the Defense Attorney?* Are Jurors on same side Witnesses? | Can the Jurors hear At | WITNESSES | Can Witnesses see Judge | Does the Witness Box ha | ATTORNEYS | Can Attorneys see the 3 | Can Attorneys hear the | * When Attorneys are in | |
|--|-------|-------------------------|------------------------|---|------------------------|-------------------------|-------------------------|---|---------------------------------|--|----------------------|---|------------------------|-----------|-------------------------|-------------------------|-----------|-------------------------|------------------------|-------------------------|-------------------------|
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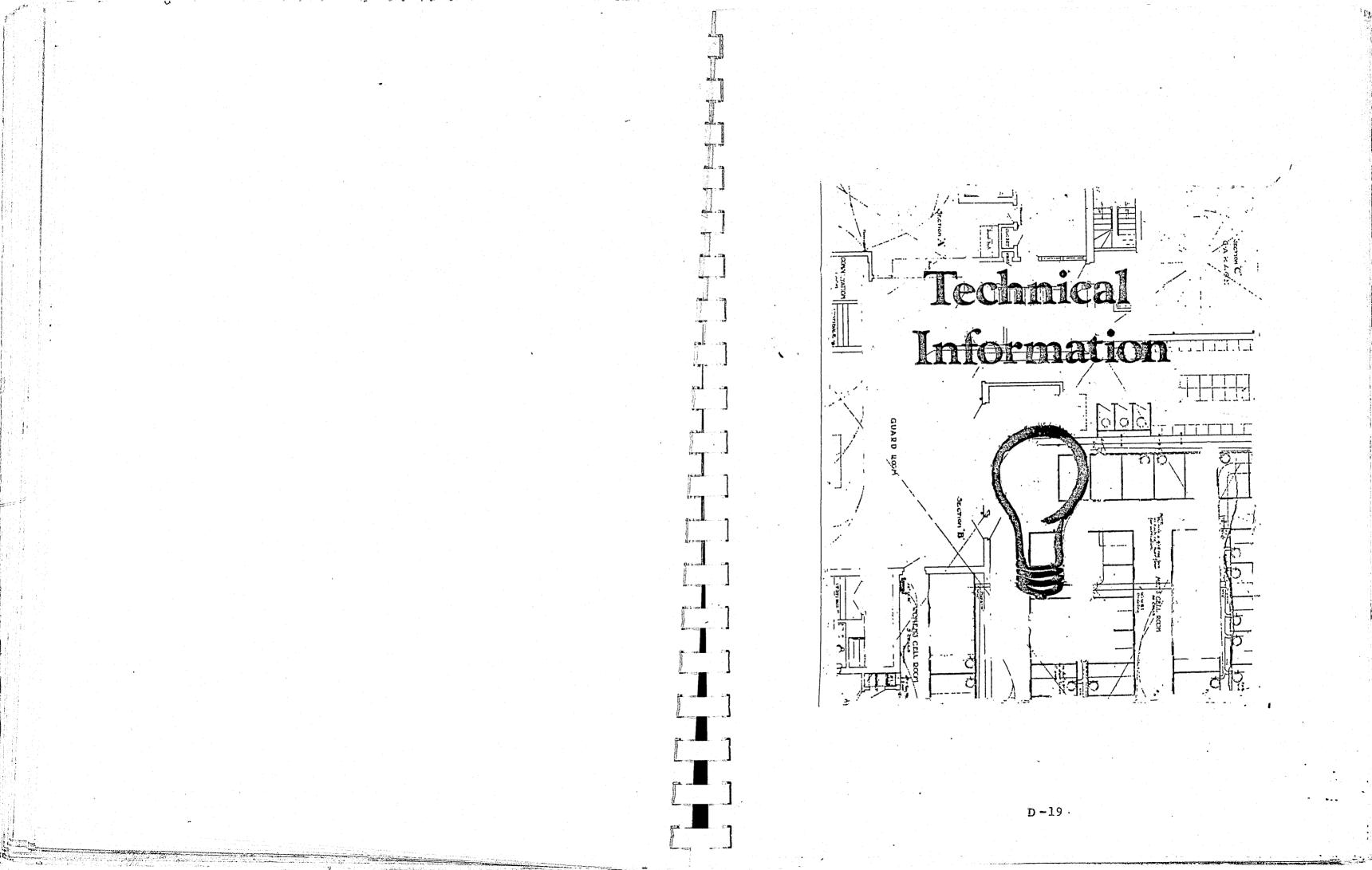
| and the second | | | A DESCRIPTION OF THE OWNER OWNER |
|--|------------------|---|--|
| | Probate Court | | |
| | | | |
| ire courtroom? | Yes | | |
| tnesses clearly? | Yes | | |
| torneys clearly?* | Yes | | |
| cent to the | No | | |
| e Judge's lobby? | Yes | | |
| ate? | Yes | | |
| re? | Yes | | |
| | | | |
| urtroom | No jury | | |
| jurors from | | • | |
| jurors from | | | |
| ses at full | | | |
| dge at full face? | | • | |
| osecutor & | | | |
| f Judge as | | • | |
| neys clearly?* | | | |
| | | • | |
| Attorneys? | Yes | | |
| a microphone? | No | • | |
| | | | |
| у? | | | |
| dge clearly? | Yes | | |

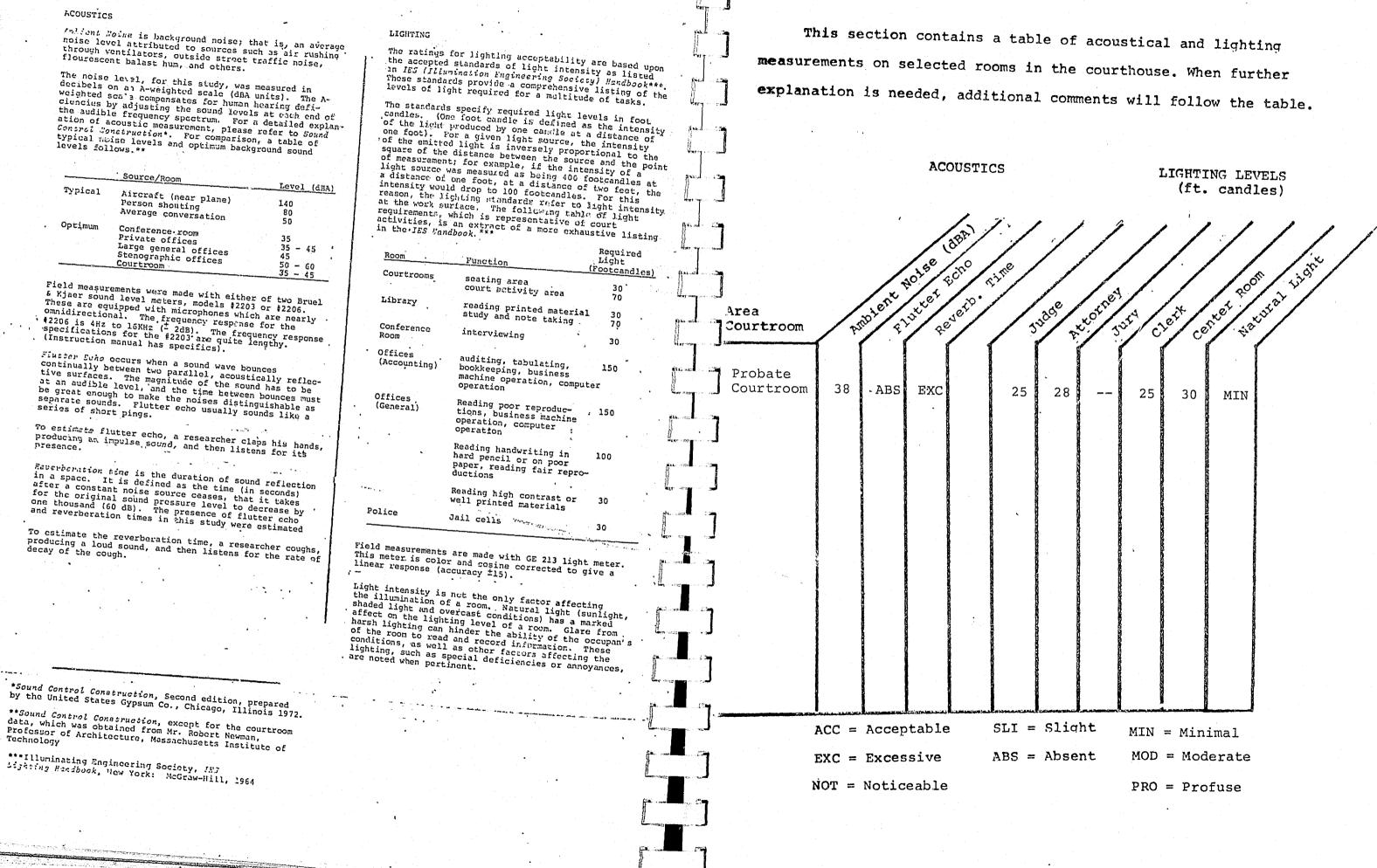
their usual locations

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| | | |
| | Probate Court | |
| | COULC | |
| | | |
| ATTORNEYS (continued) | | |
| | • | |
| Can Attorneys hear the Witnesses clearly? | Yes | <u> </u> |
| Approximately how far is the defendant from counsel? | 20' | |
| Are Lawyer conference rooms conveniently | | |
| located? | Yes | |
| COURT OFFICERS | | |
| Do Court Officers have a designated | | |
| place in courtroom? | Yes | |
| Are they near enough to defendant to restrain him? | | |
| | Yes | |
| Jury & public? | | |
| Is a Court Officer located so that he can | | |
| protect Judge? | Yes | |
| PROBATION OFFICERS | | |
| . Is there a space for the Probation | 27- | |
| | No | |
| DEFENDANT | | |
| Can the Defendant hear the Judge clearly? | | |
| | Yes | |
| Can the Defendant hear the Attorneys clearly?* | ·Yes | |
| Can the Defendant hear the Witnesses | | |
| clearly? | Yes | |
| GENERAL | | |
| | | |
| Is there an alarm system? | NO | |
| Does the courtroom have a blackboard? | No | |
| Can the courtroom be darkened for visual | | |
| aids? | Yes | |
| Is there a clock? | Yes | |
| | | |
| PUBLIC | | |
| To the Dublic conting comfortable? | | |
| Is the Public seating comfortable? | Yes | |
| Does the press sit in the public area? | Yes | |
| | | |
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| | | • * |
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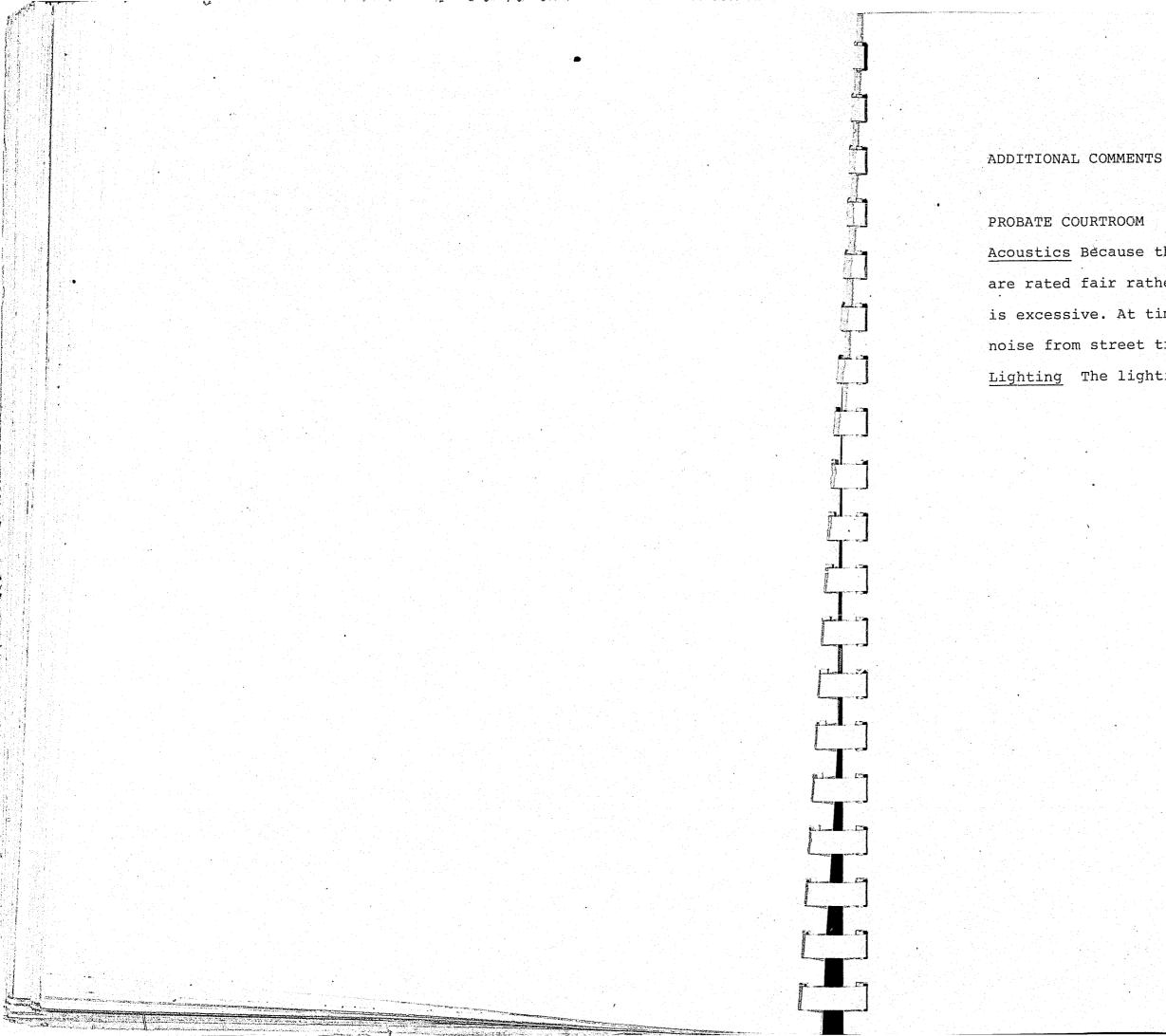


The judge's lobby, although not adjacent to the courtroom, is connected to it by a private staircase which leads to the judge's bench. The Register of Probate sits beside the judge in the courtroom.



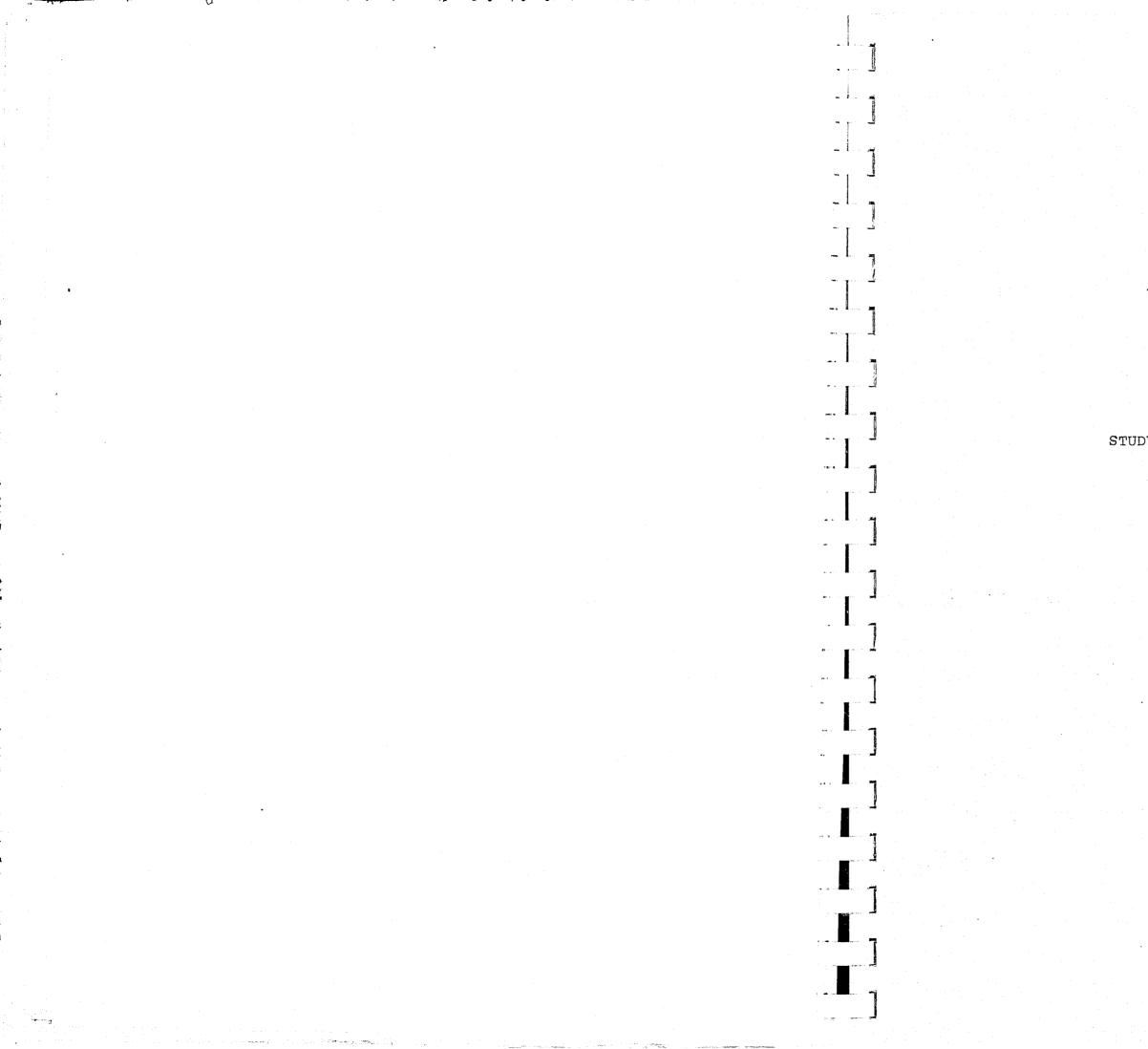


S. States



Acoustics Bécause the room is small, the room acoustics are rated fair rather than poor; reverberation time is excessive. At times, speech is garbled. Background noise from street traffic is disturbing.

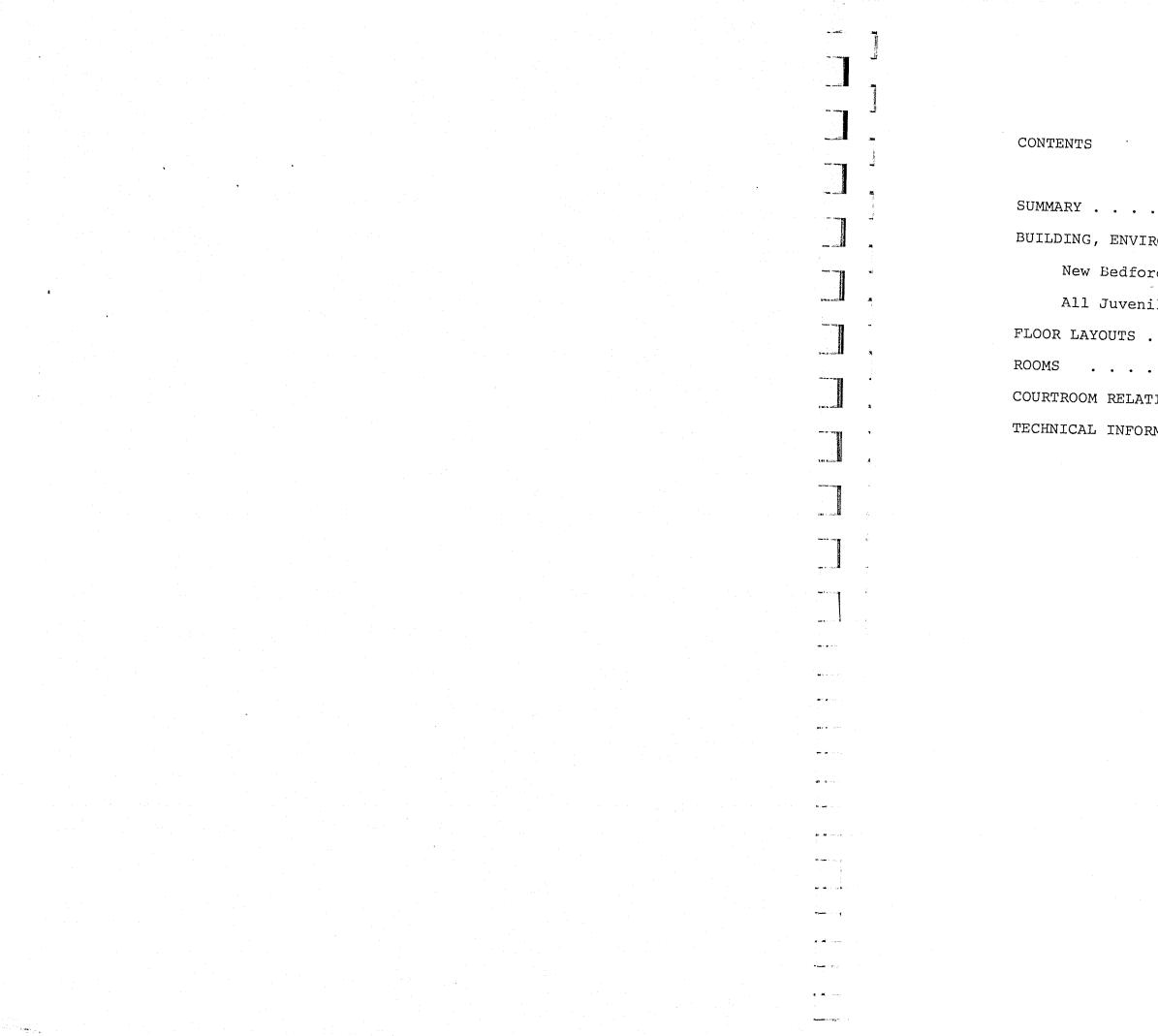
Lighting The lighting is poor for courtroom use



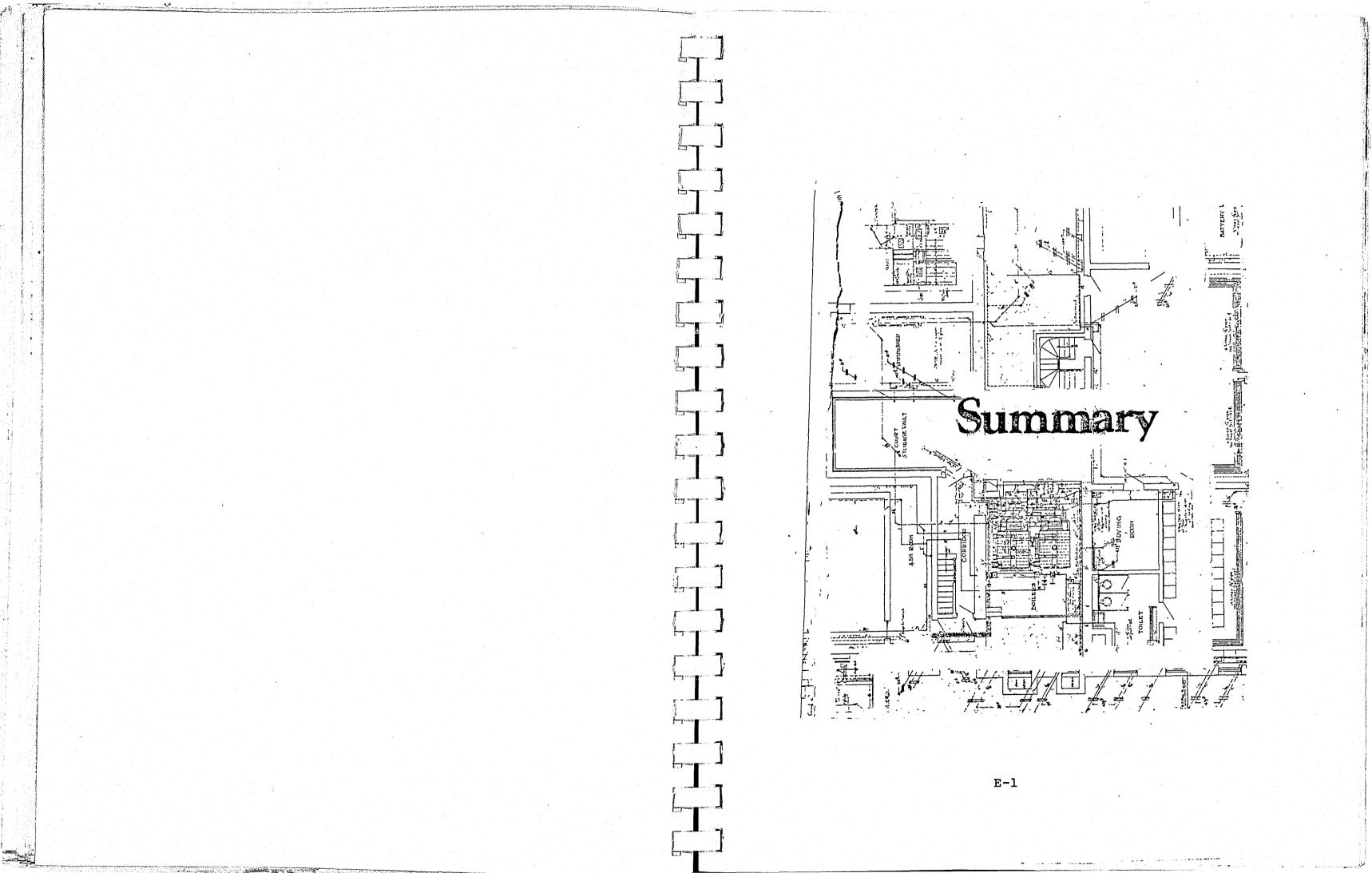
COURT FACILITIES

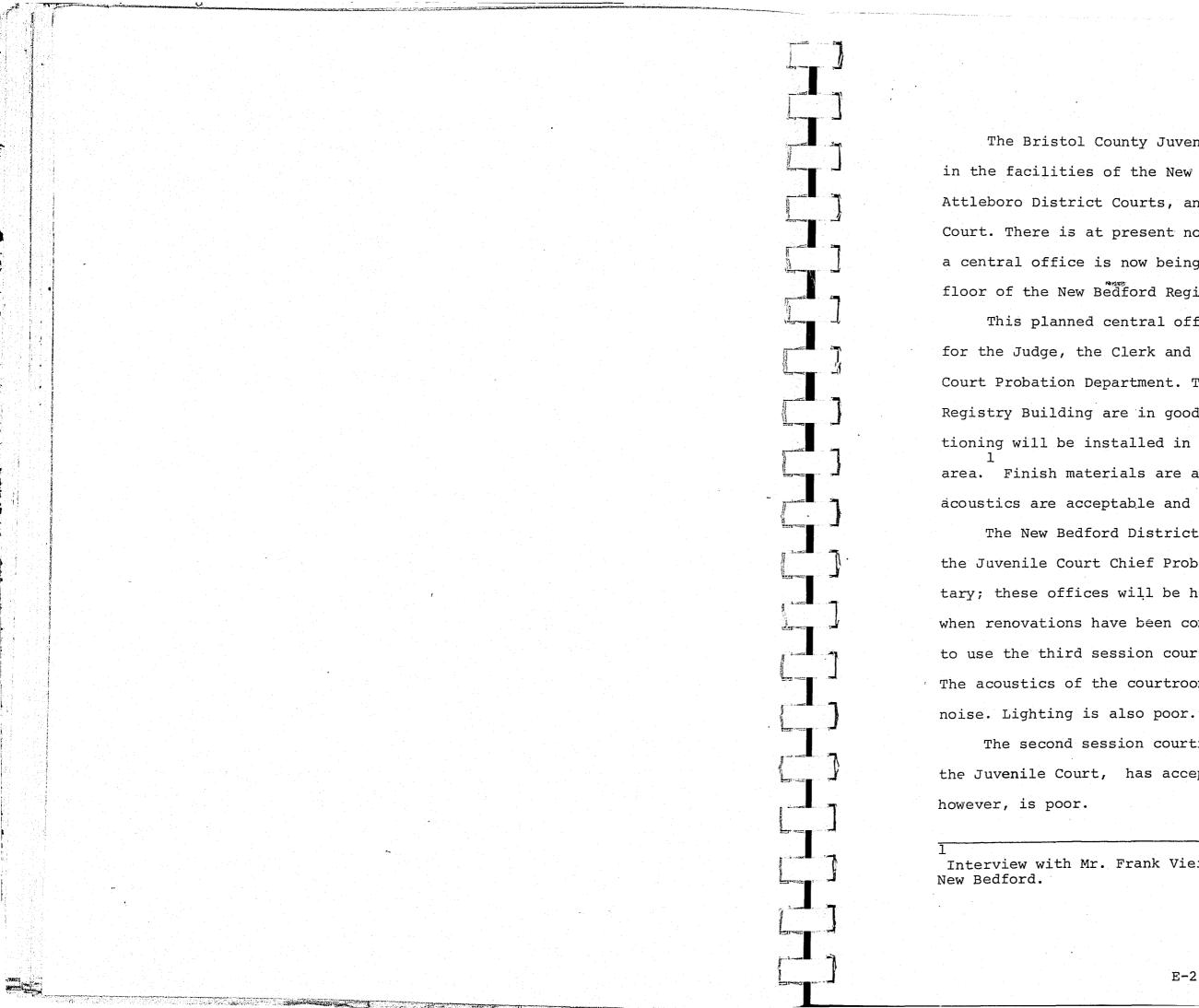
STUDY OF THE BRISTOL COUNTY JUVENILE

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The Bristol County Juvenile Court holds sessions in the facilities of the New Bedford, Fall River and Attleboro District Courts, and the Taunton Superior Court. There is at present no central office; however, a central office is now being prepared on the second floor of the New Bedford Registry Building.

This planned central office will provide space for the Judge, the Clerk and his staff and the Juvenile Court Probation Department. The building systems in the Registry Building are in good condition; central air conditioning will be installed in the Juvenile Court office area. Finish materials are also in good condition. The acoustics are acceptable and the lighting is good. The New Bedford District Court now provides space for the Juvenile Court Chief Probation Officer and his secretary; these offices will be housed in the Registry Building when renovations have been completed. The Court will continue to use the third session courtroom of the District Court. The acoustics of the courtroom are poor, due to background

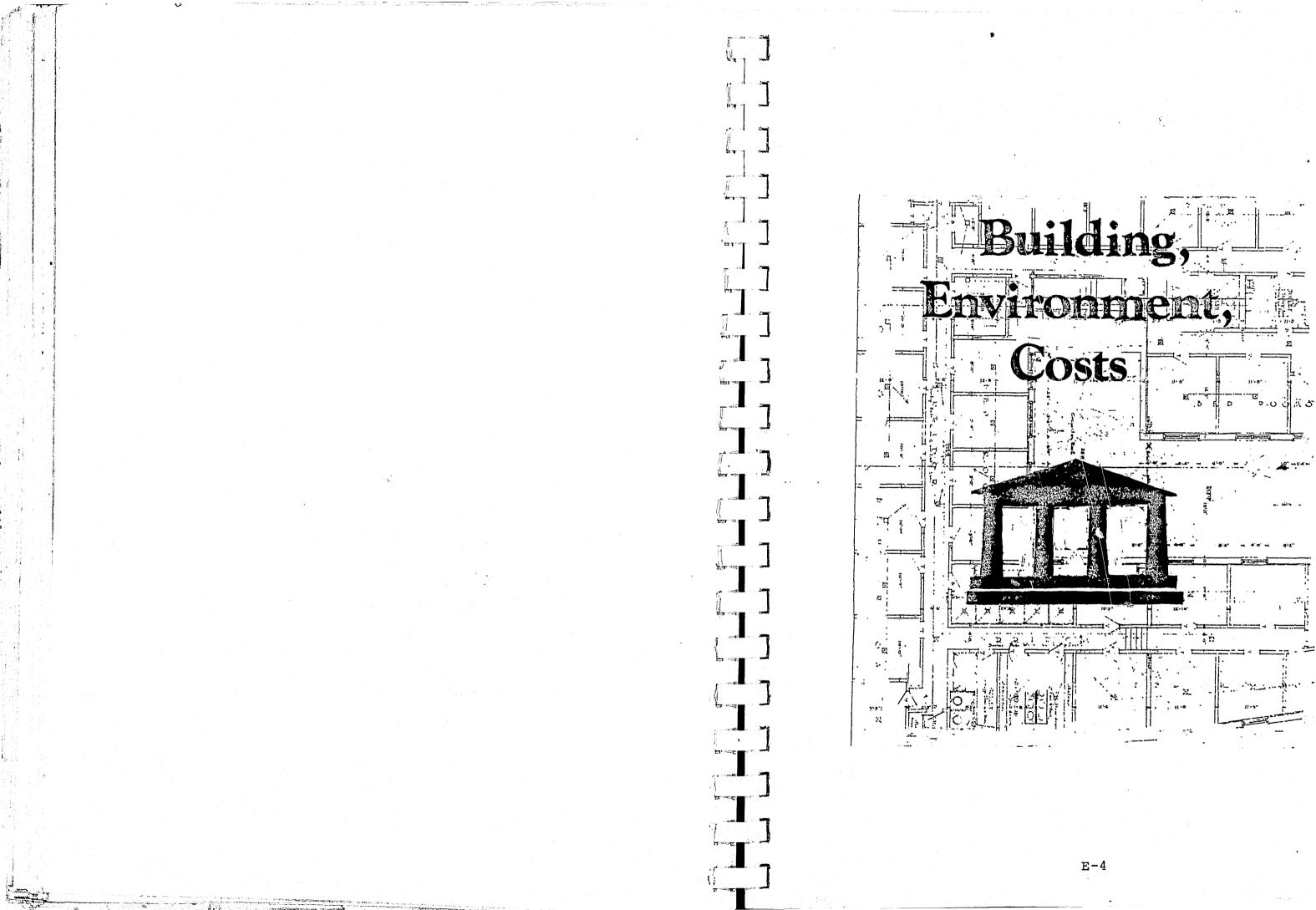
The second session courtroom in Fall River, used by the Juvenile Court, has acceptable acoustics. The lighting,

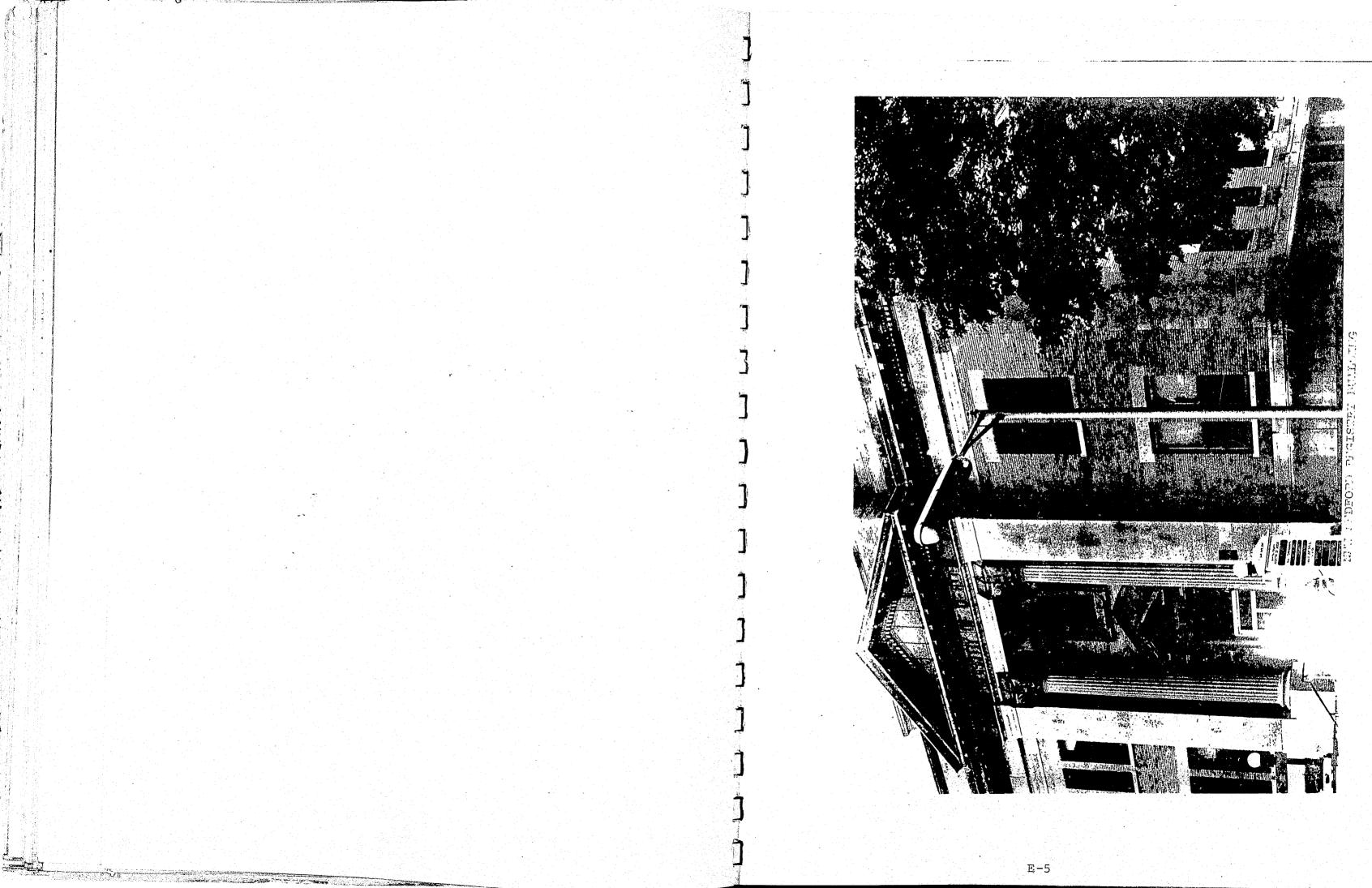
Interview with Mr. Frank Vieira, County Commissioner at

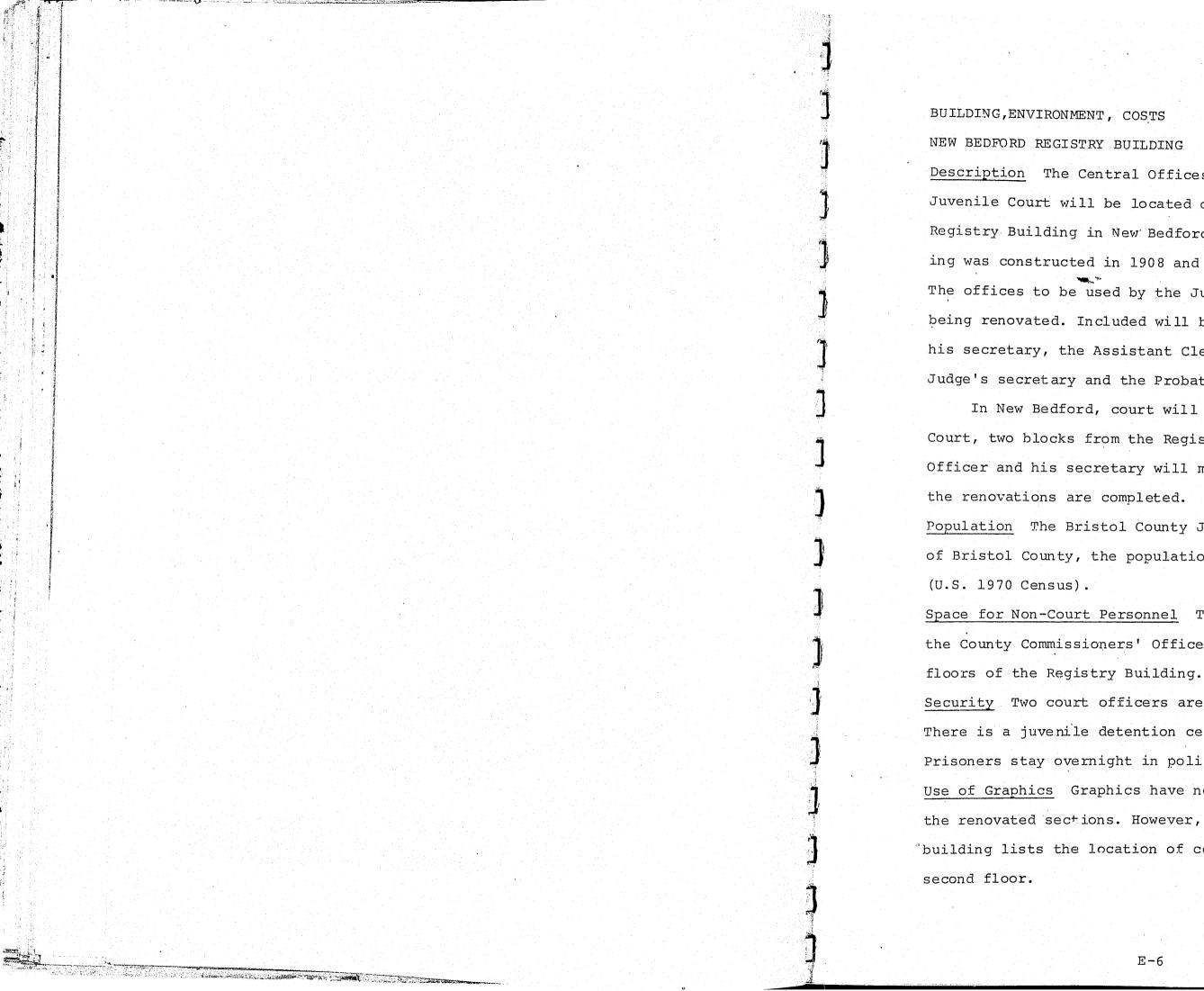
E-2

The Taunton Superior Court has provided space for In Attleboro District Court, the Juvenile Court has

the Juvenile Court Probation Office secretary and also provides use of the second session Superior courtroom. The acoustics of the courtroom are unacceptable due to noise interference from traffic. The lighting is inadequate. utilized the two basement juvenile cells, a probation office and the second session courtroom. The acoustics of the courtroom are unacceptable due to reverberant characteristics. The lighting is fair.







Description The Central Offices of the Bristol County Juvenile Court will be located on the second floor of the Registry Building in New Bedford. The blond brick building was constructed in 1908 and is neo-classical in style. The offices to be used by the Juvenile Court are currently being renovated. Included will be space for the Clerk and his secretary, the Assistant Clerk, the Judge's lobby, the Judge's secretary and the Probation Office.

In New Bedford, court will be held in the District Court, two blocks from the Registry. The Chief Probation Officer and his secretary will move to the Registry when

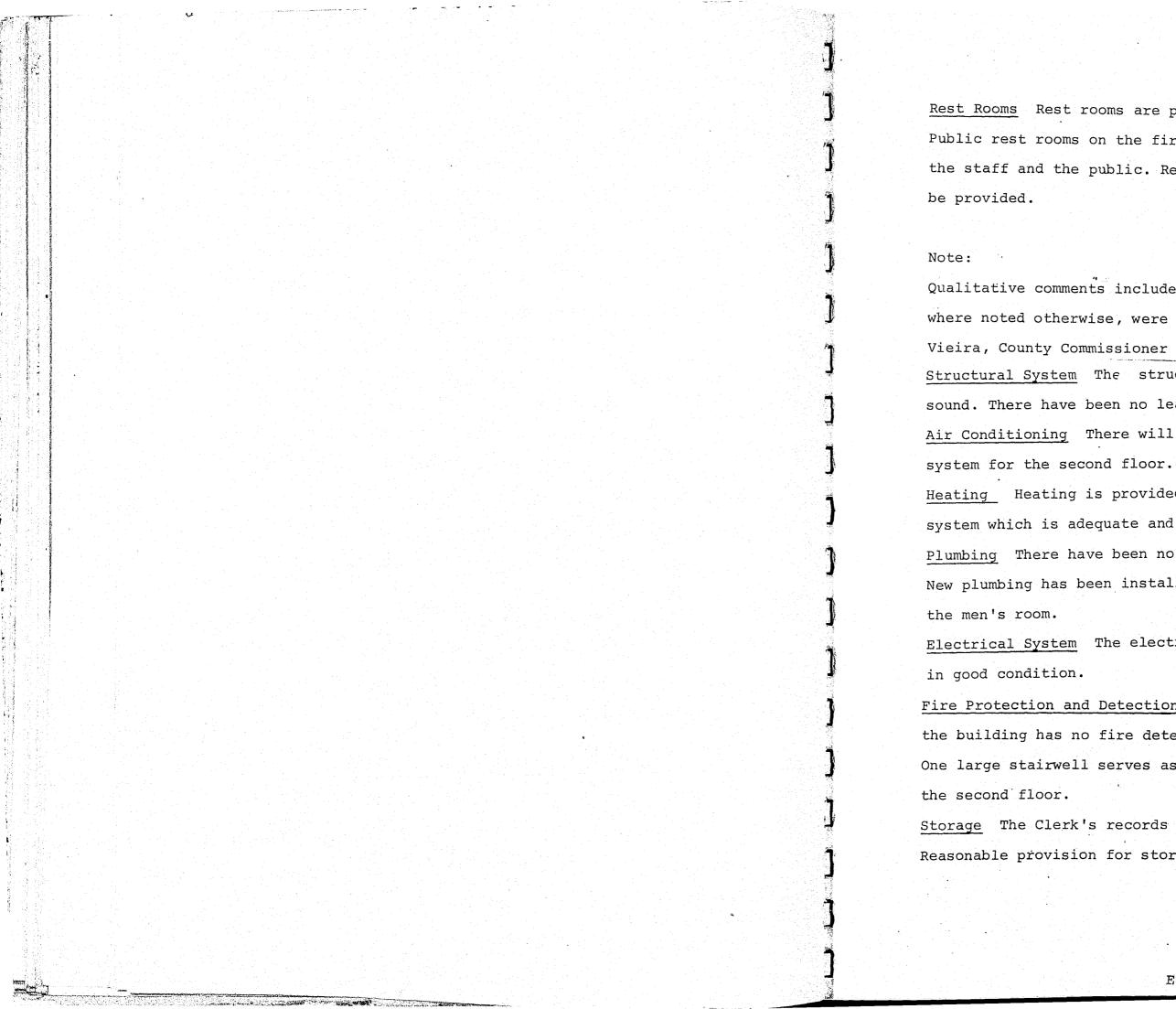
Population The Bristol County Juvenile Court serves all of Bristol County, the population of which is 444,301

Space for Non-Court Personnel The Registry of Deeds and the County Commissioners' Office are located on the lower

Security Two court officers are employed by the court. There is a juvenile detention cell in the District Court. Prisoners stay overnight in police stations.

Use of Graphics Graphics have not yet been installed in the renovated sections. However, a directory outside the building lists the location of court personnel on the

E-6



Rest Rooms Rest rooms are presently being renovated. Public rest rooms on the first floor are now used by both the staff and the public. Rest rooms for the staff will

Qualitative comments included in this section, except where noted otherwise, were obtained from Mr. Frank Vieira, County Commissioner in New Bedford. Structural System The structural system is adequate and sound. There have been no leakage problems. Air Conditioning There will be a central air conditioning

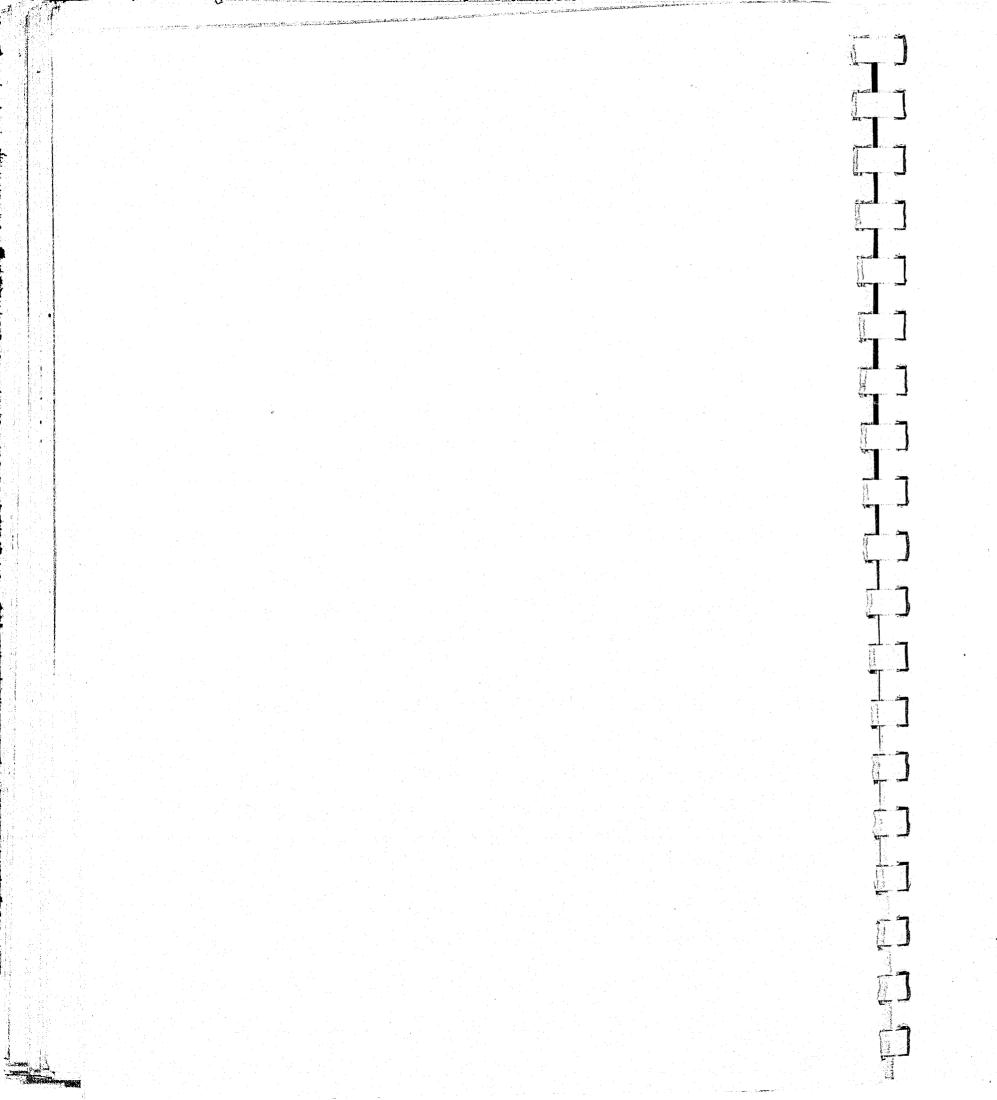
Heating Heating is provided by an oil-burning steam system which is adequate and in good condition. Plumbing There have been no major plumbing problems. New plumbing has been installed on the second floor in

Electrical System The electrical system is adequate and

Fire Protection and Detection Our researchers noted that the building has no fire detection devices or sprinklers. One large stairwell serves as the means of egress from

Storage The Clerk's records will be stored in a vault. Reasonable provision for storage space has been made.

E-7



ALL JUVENILE FACILITIES Neighborhood

buildings; the Third District Court of Bristol County is two blocks away surrounding the courthouse are quite busy. several small shops and warehouses. Probate Courthouses. Public Transportation the street. NEW BEDFORD DISTRICT : A local bus service has a stop near the courthouse.

NEW BEDFORD REGISTRY : The court is located in an urban municipal area. Its immediate surroundings are office

NEW BEDFORD DISTRICT : The courthouse occupies a half block in downtown New Bedford. All buildings surrounding the court are commercial or business offices. The streets

FALL RIVER DISTRICT : The court is located in urban surroundings and is adjacent to the police station and

TAUNTON SUPERIOR : The courthouse is located in downtown Taunton, on Taunton Green. Surrounding it are numerous commercial concerns, the post office, and the District and

ATTLEBORO DISTRICT : The courthouse lies just outside the business section of Attleboro. The immediate surroundings are primarily residential buildings, although many of these buildings have been converted for use as professional offices.

NEW BEDFORD REGISTRY : A bus stop is located directly across

is a bus-stop nearby. courthouse.

F

ing

court is available. Parking

public parking is available. court or the public. Public parking facilities are inadequate. in and around Taunton. for court personnel.

FALL RIVER DISTRICT : Local buses serve Fall River; there

TAUNTON SUPERIOR : A local bus line has a stop near the

ATTLEBORO DISTRICT : No local public transportation to the

NEW BEDFORD REGISTRY : There is a parking lot on the north side of the building with space reserved for department heads. There is no reserved space for other staff, and no

NEW BEDFORD DISTRICT : Parking spaces along the driveway are reserved for the judges, the clerk and the court officers. No other parking facilities are designated for either the

FALL RIVER DISTRICT : One parking space is reserved for the judge, but there are none reserved for court personnel.

TAUNTON SUPERIOR : There are 25 parking spaces reserved for the court staff, the Registry of Deeds, and the Probate and District Courts. Public parking is unreserved and by meters

ATTLEBORO DISTRICT : There are 43 parking spaces directly behind the courthouse, 20 of which are marked "reserved"

Schedule of Operation

The schedule of hearings for the Bristol County Juvenile

Court follows.

Attleboro Session . T New Bedford Session : W Fall River Session : Th Taunton Session

Public Address System

NEW BEDFORD DISTRICT, TAUNTON SUPERIOR, ATTLEBORO DISTRICT : There are no public address systems in these buildings. FALL RIVER DISTRICT : There is a paging system from the courtrooms to the public lobbies.

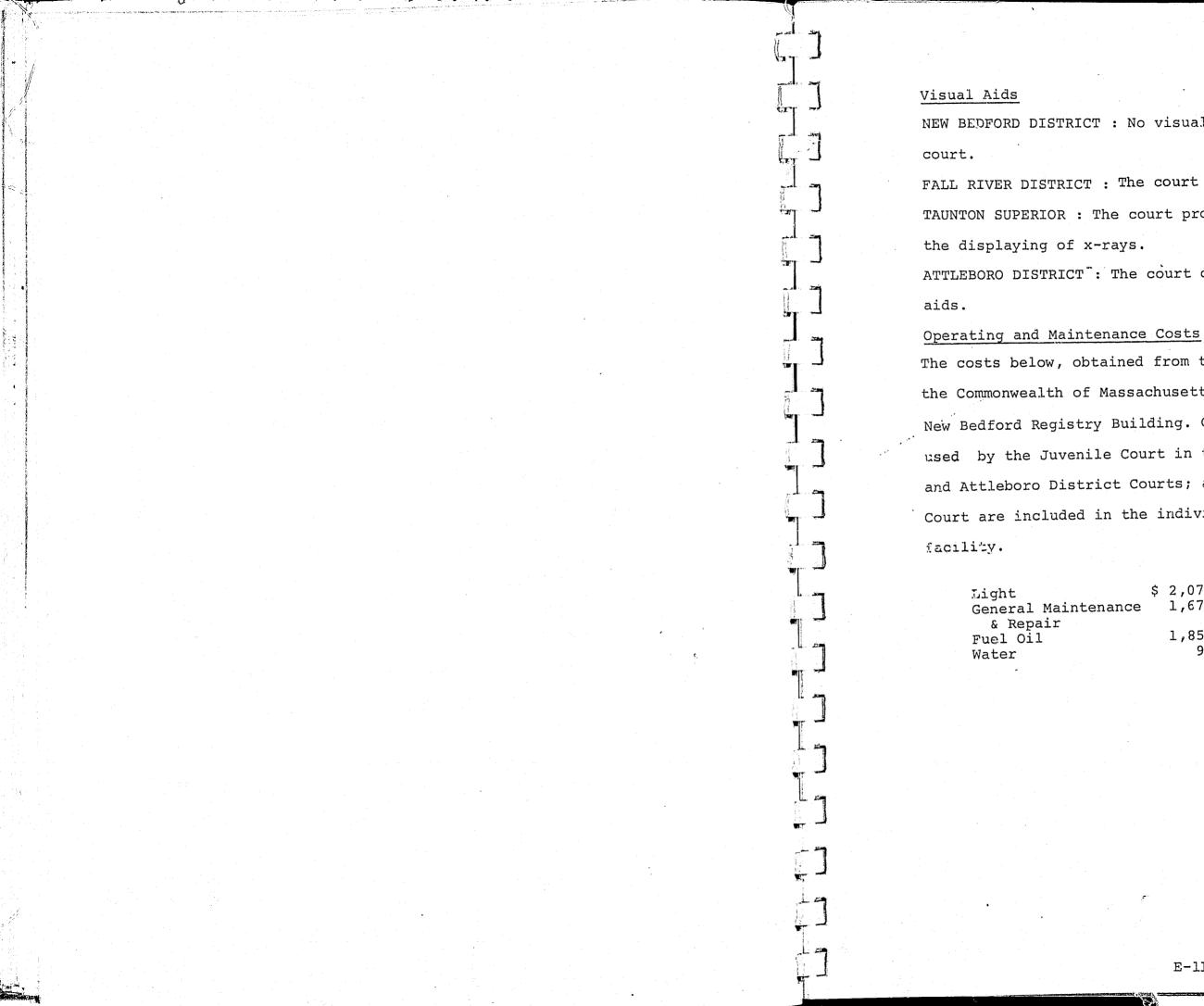
Tape Recording

NEW BEDFORD REGISTRY : No court sessions are held here. NEW BEDFORD DISTRICT : The court has no facilities for tape recording sessions. FALL RIVER DISTRICT : The court currently records all sessions in the main courtroom, and will soon record those in the second sesssion courtroom. TAUNTON SUPERIOR : A court stenographer is present for felony and civil sessions.

recording sessions.

: F

ATTLEBORO DISTRICT : The court has no facilities for tape



NEW BEDFORD DISTRICT : No visual aids are provided by the

FALL RIVER DISTRICT : The court provides a movie projector. TAUNTON SUPERIOR : The court provides a fluoroscope for

ATTLEBORO DISTRICT : The court does not provide any visual

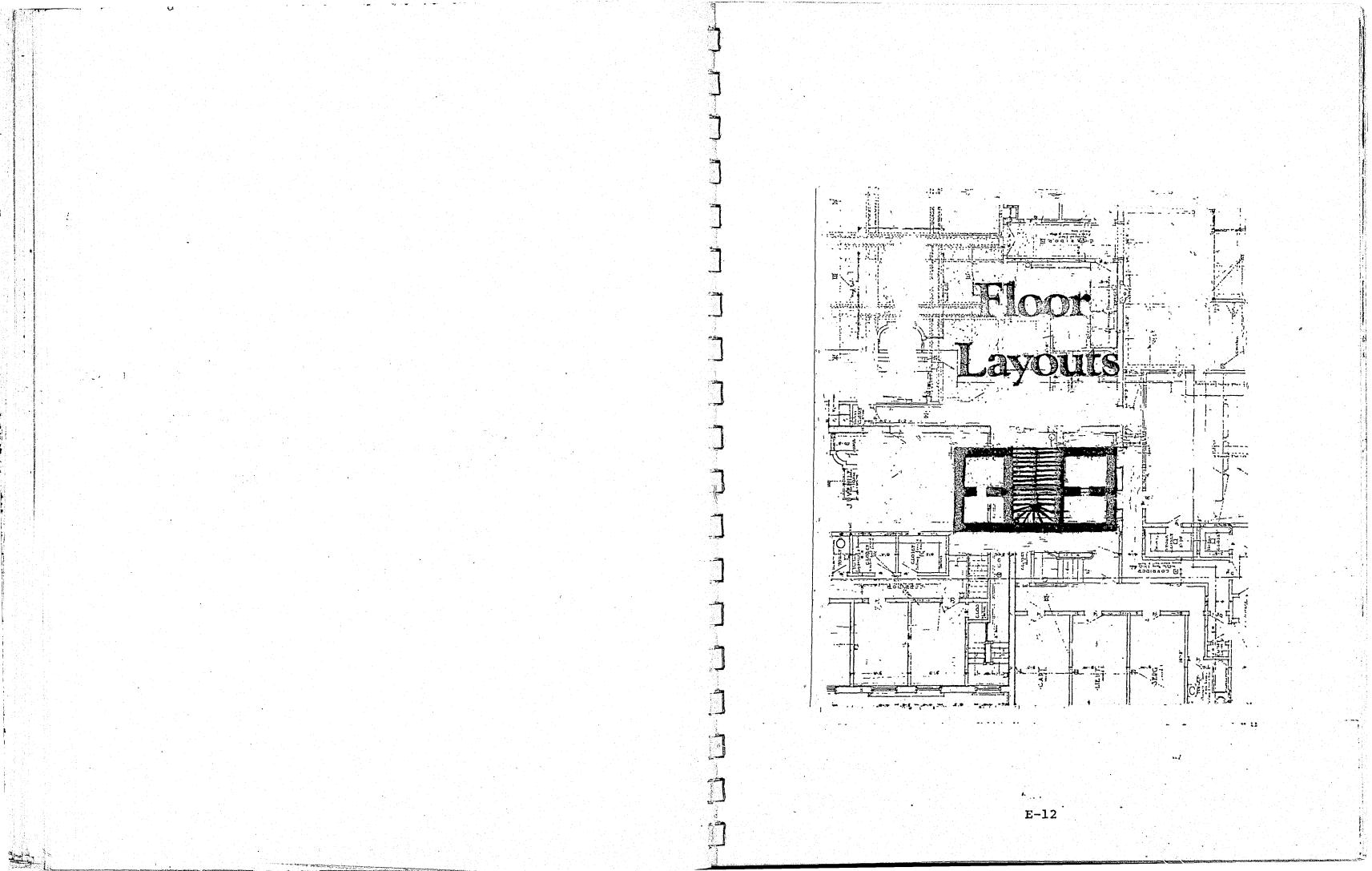
The costs below, obtained from the Bureau of Accounting of the Commonwealth of Massachusetts, are those for the entire New Bedford Registry Building. Costs for the facilities used by the Juvenile Court in the New Bedford, Fall River and Attleboro District Courts; and the Taunton Superior Court are included in the individual report for each

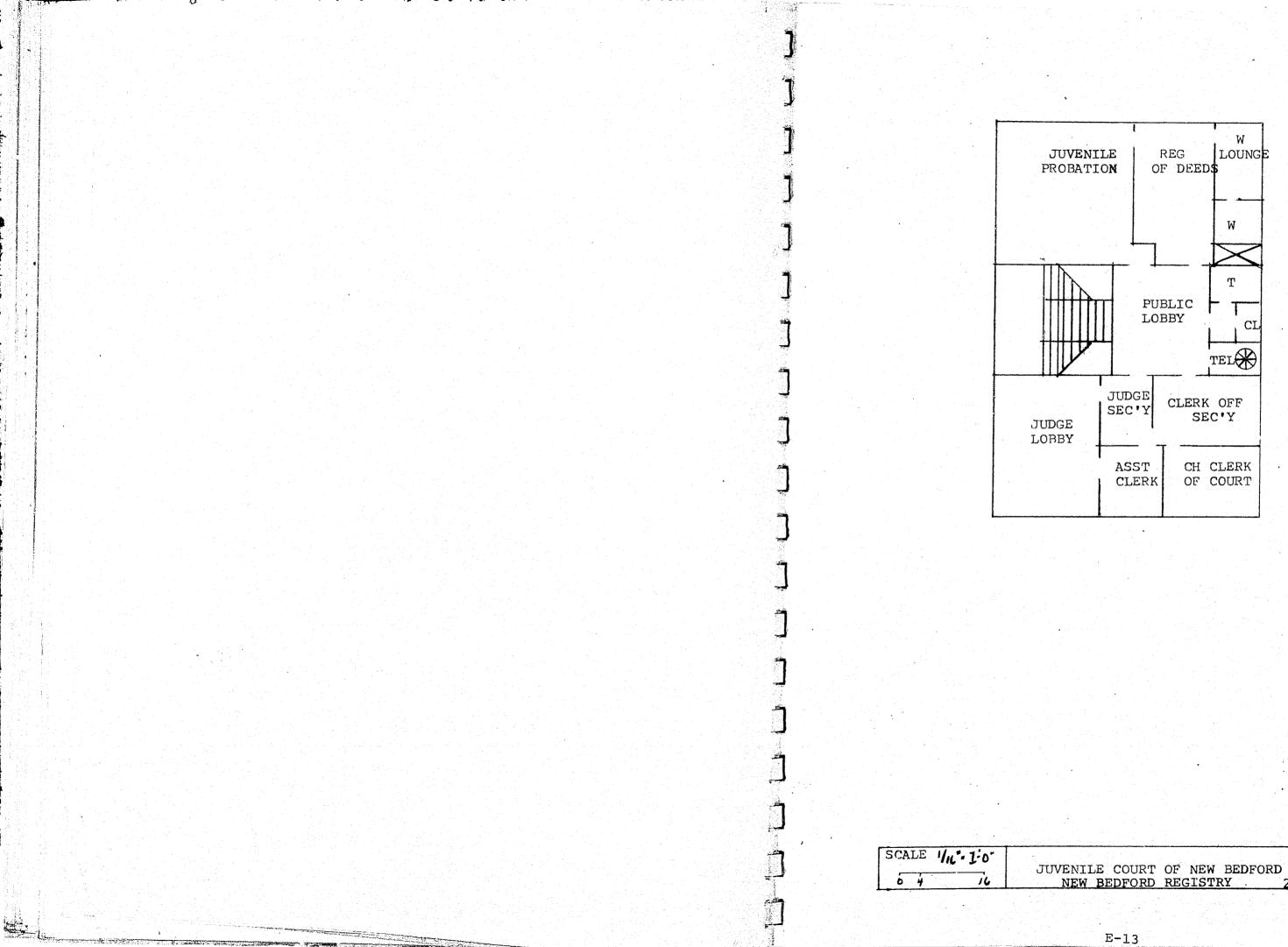
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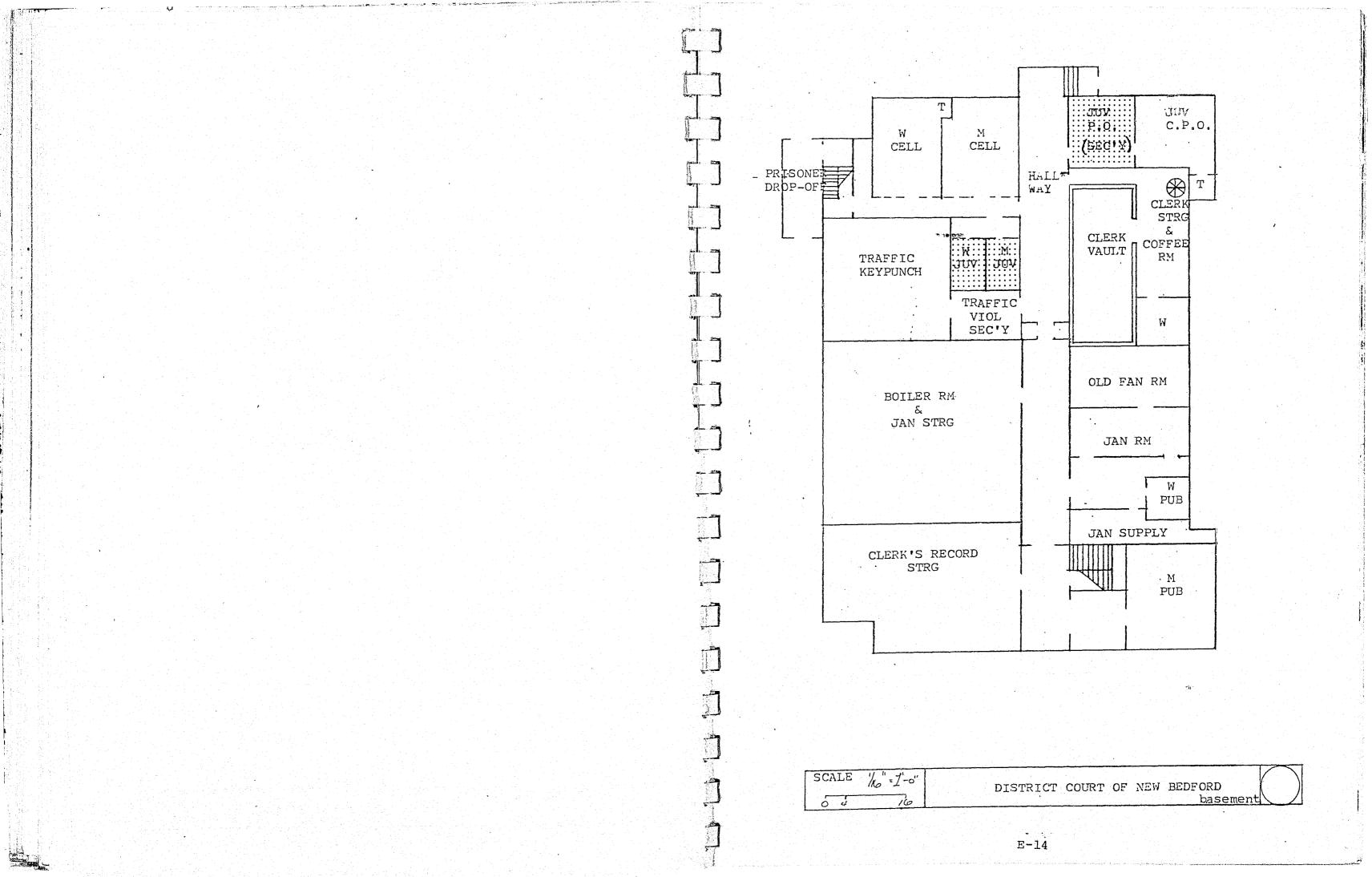
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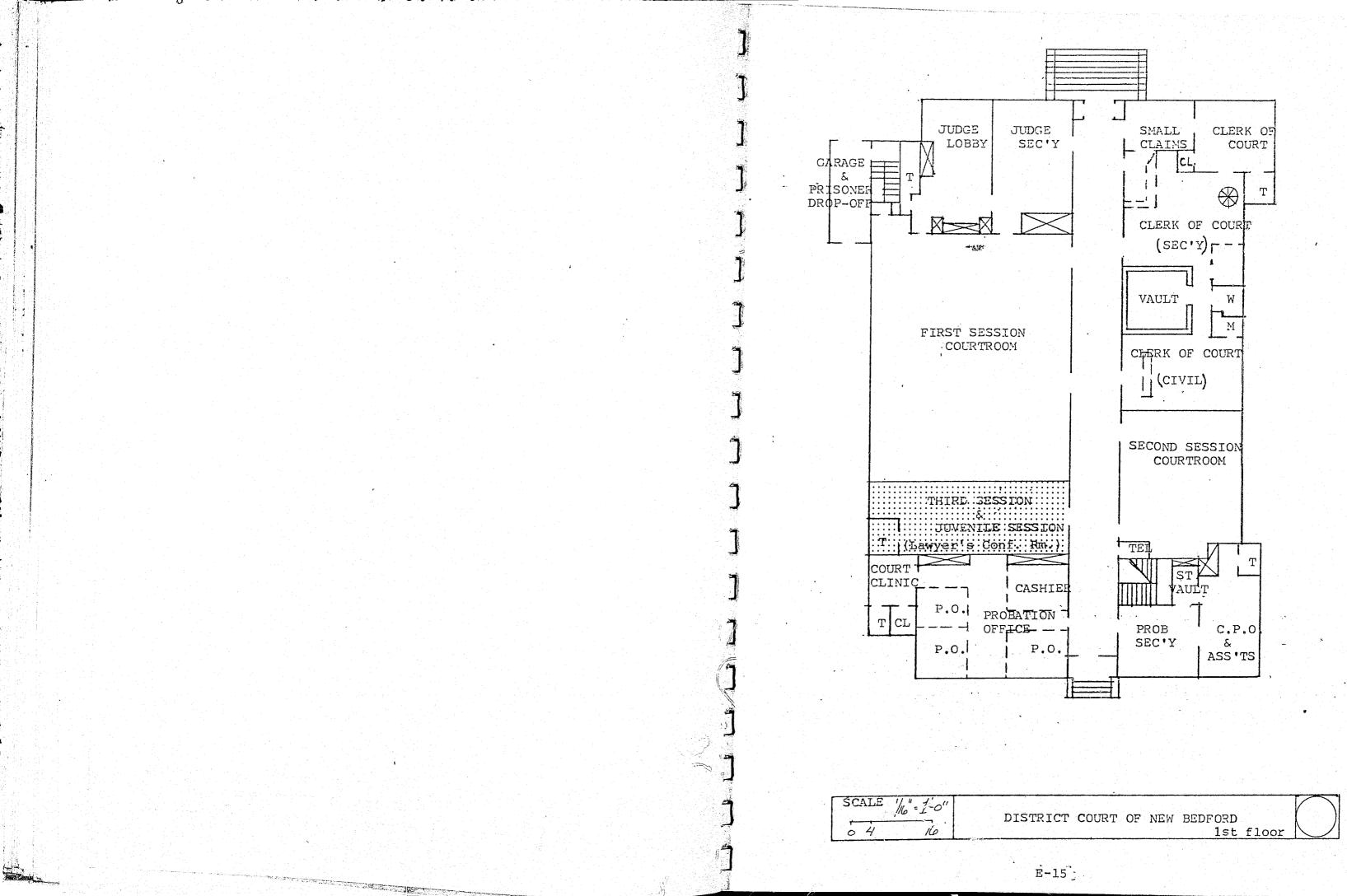
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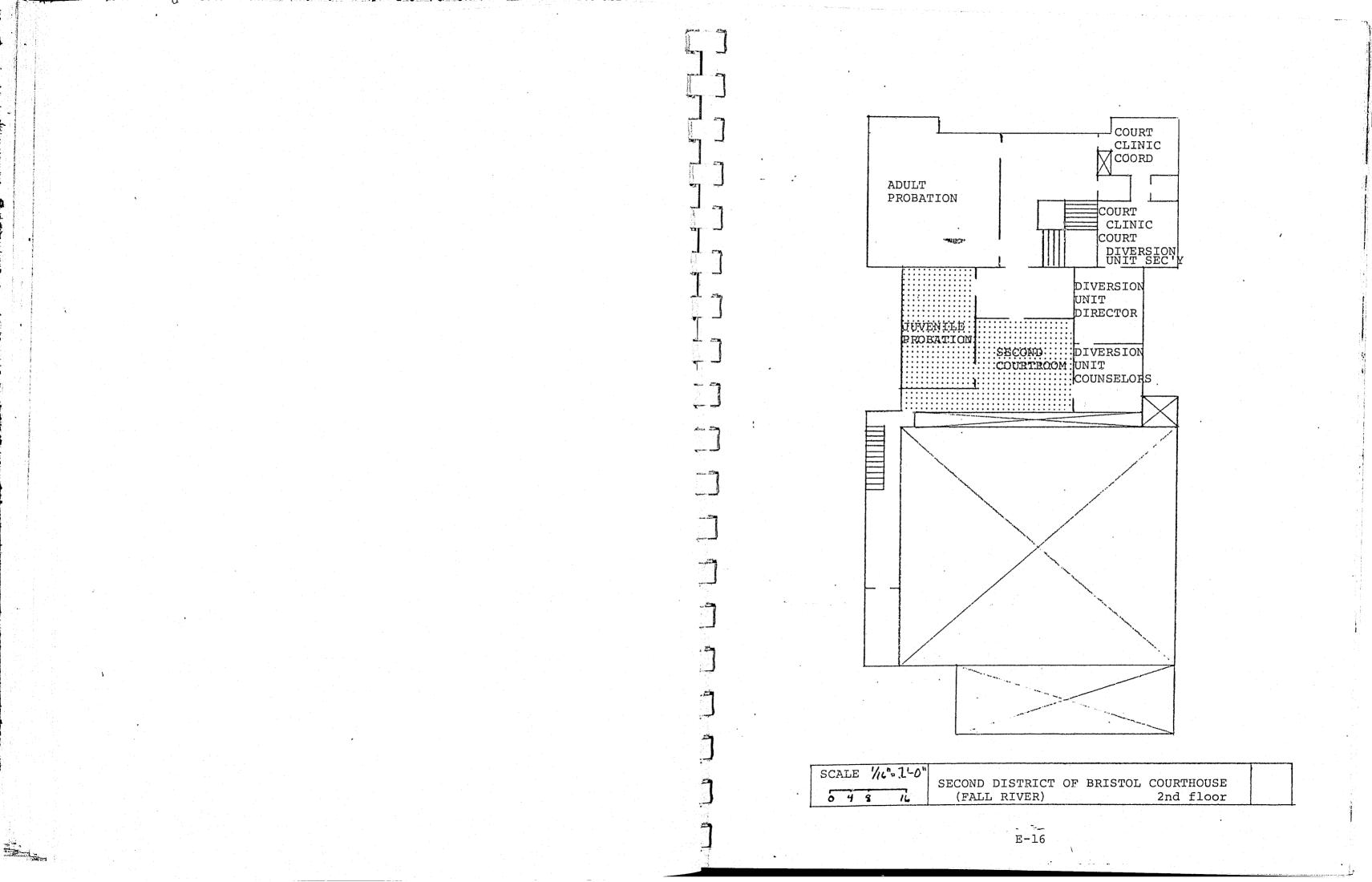


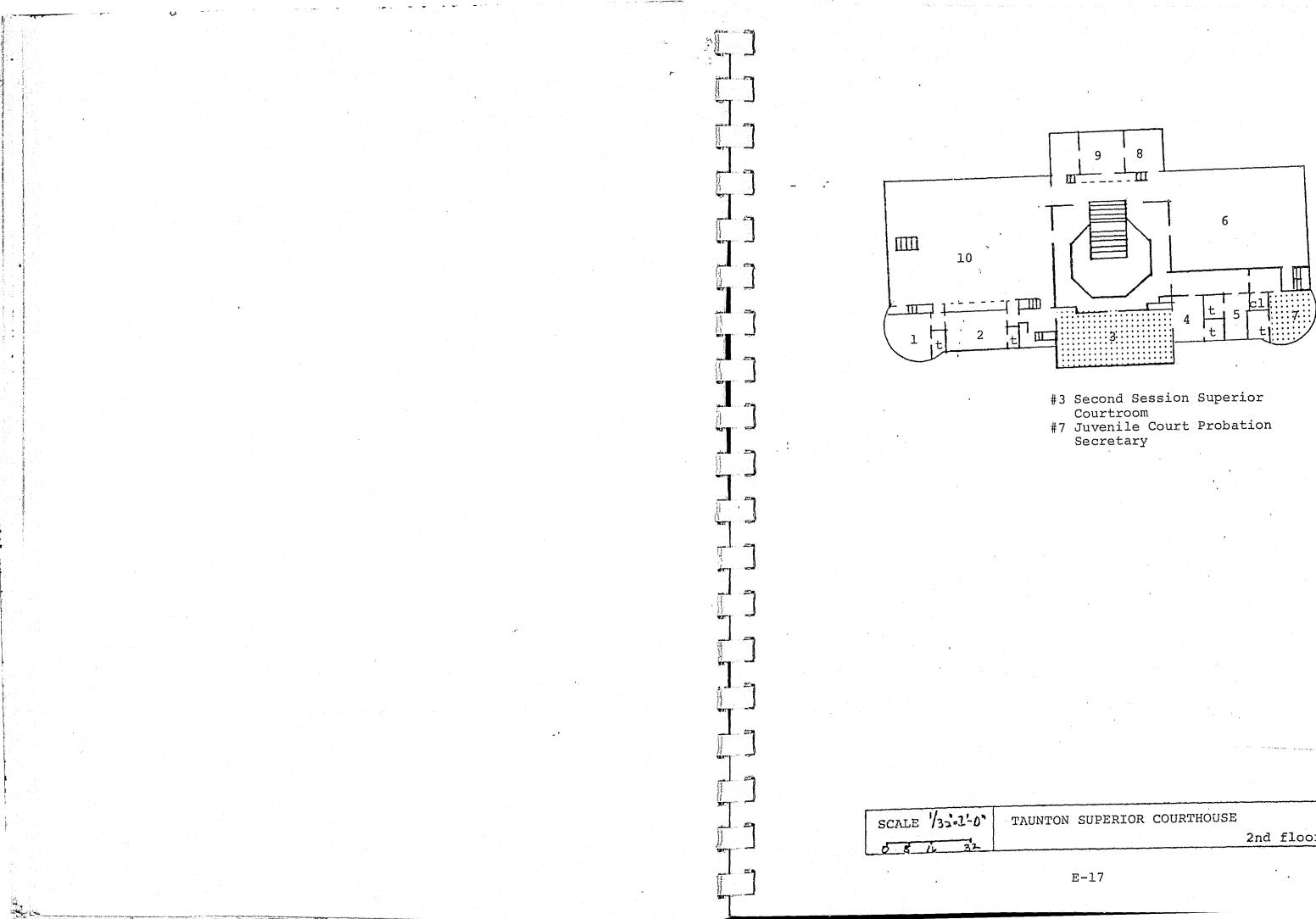


2nd floor



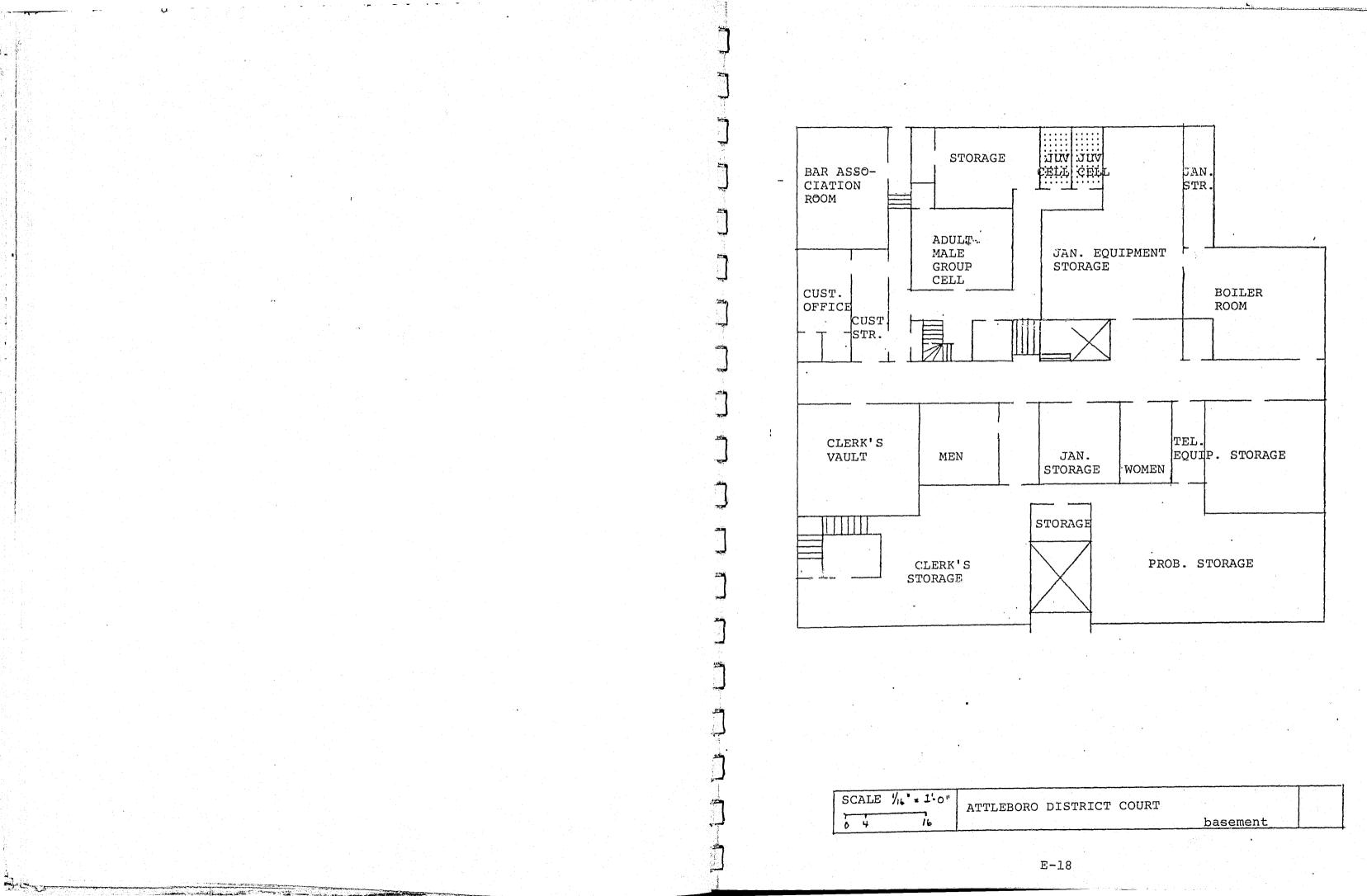


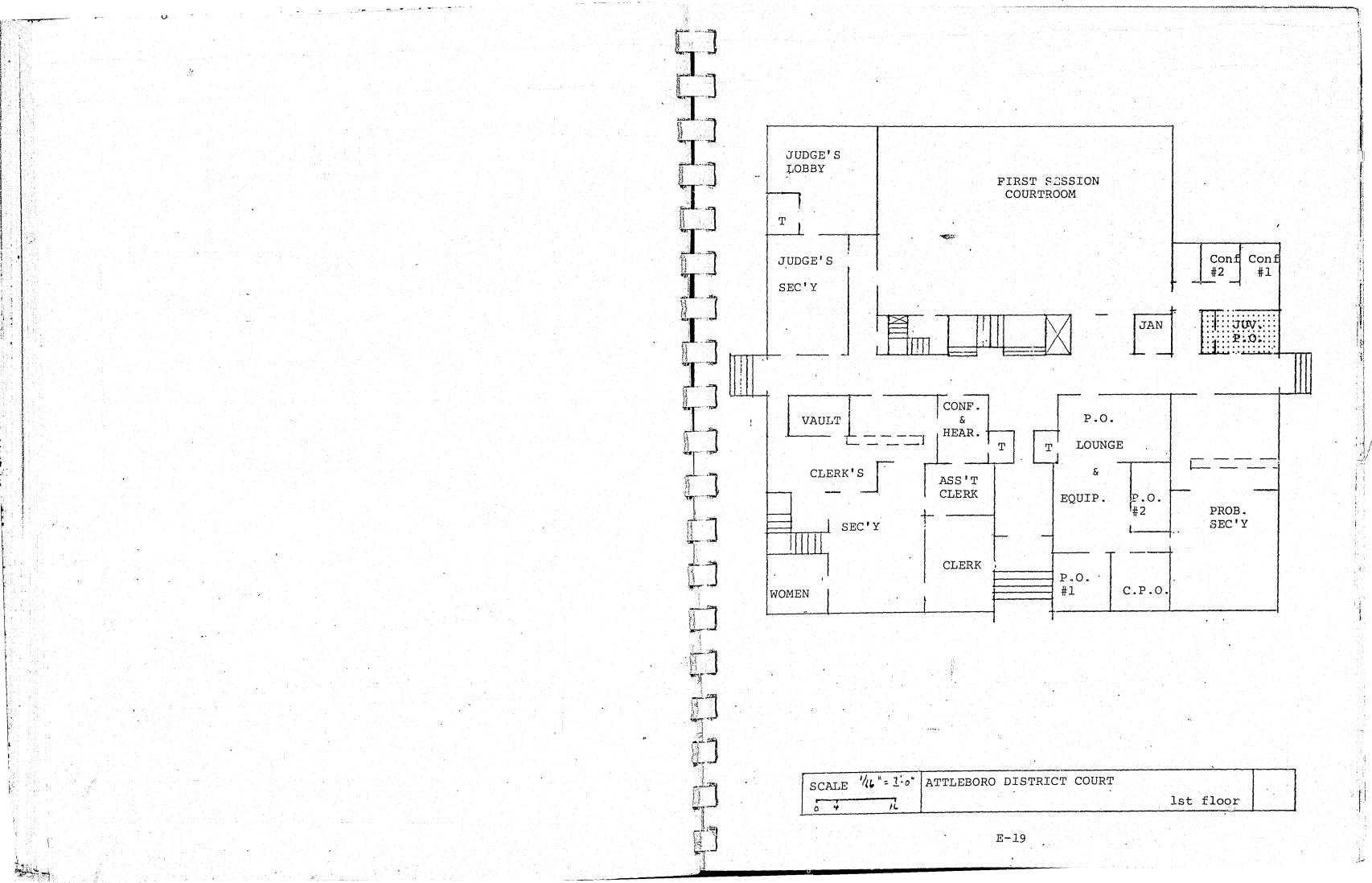


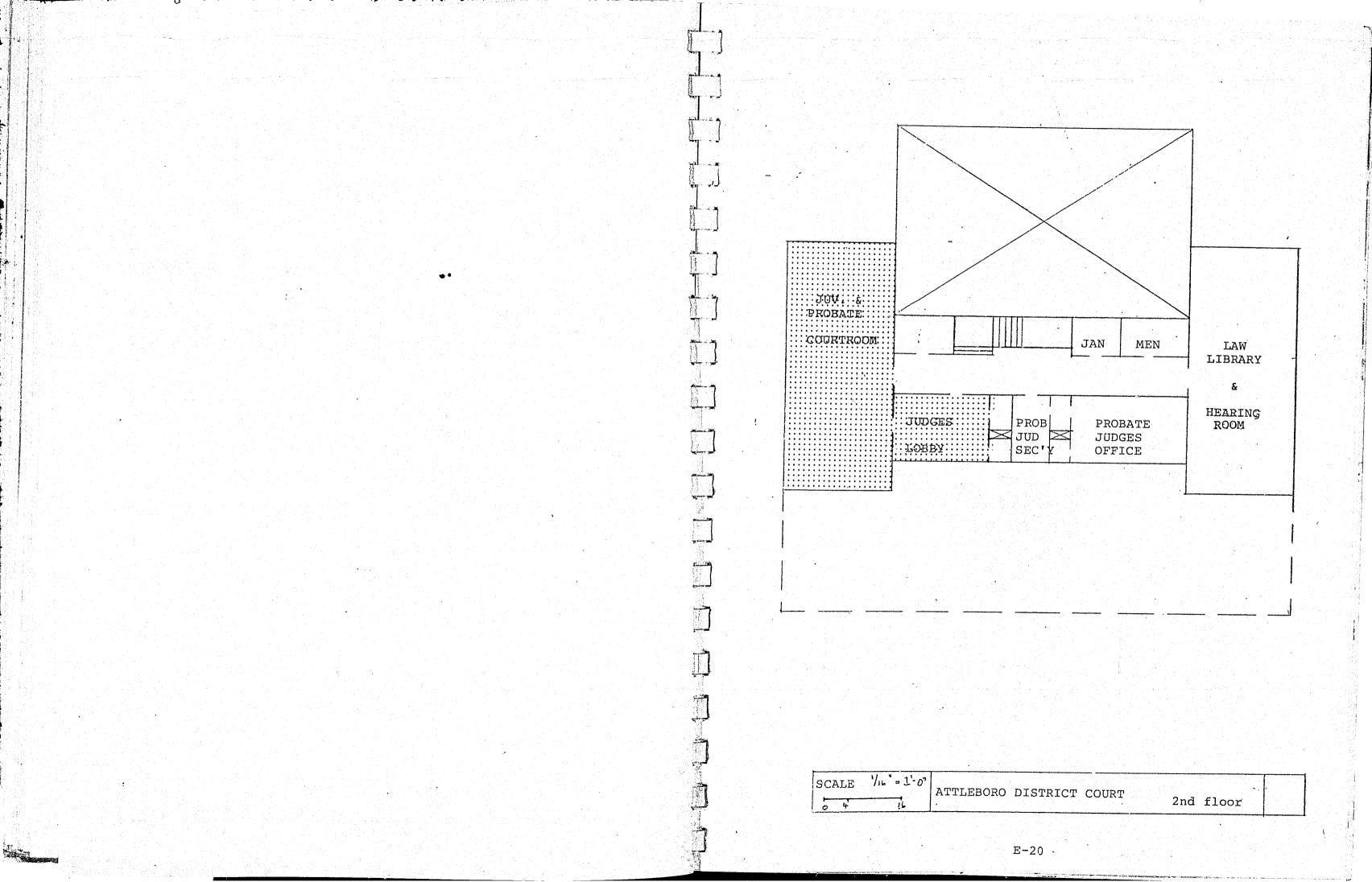


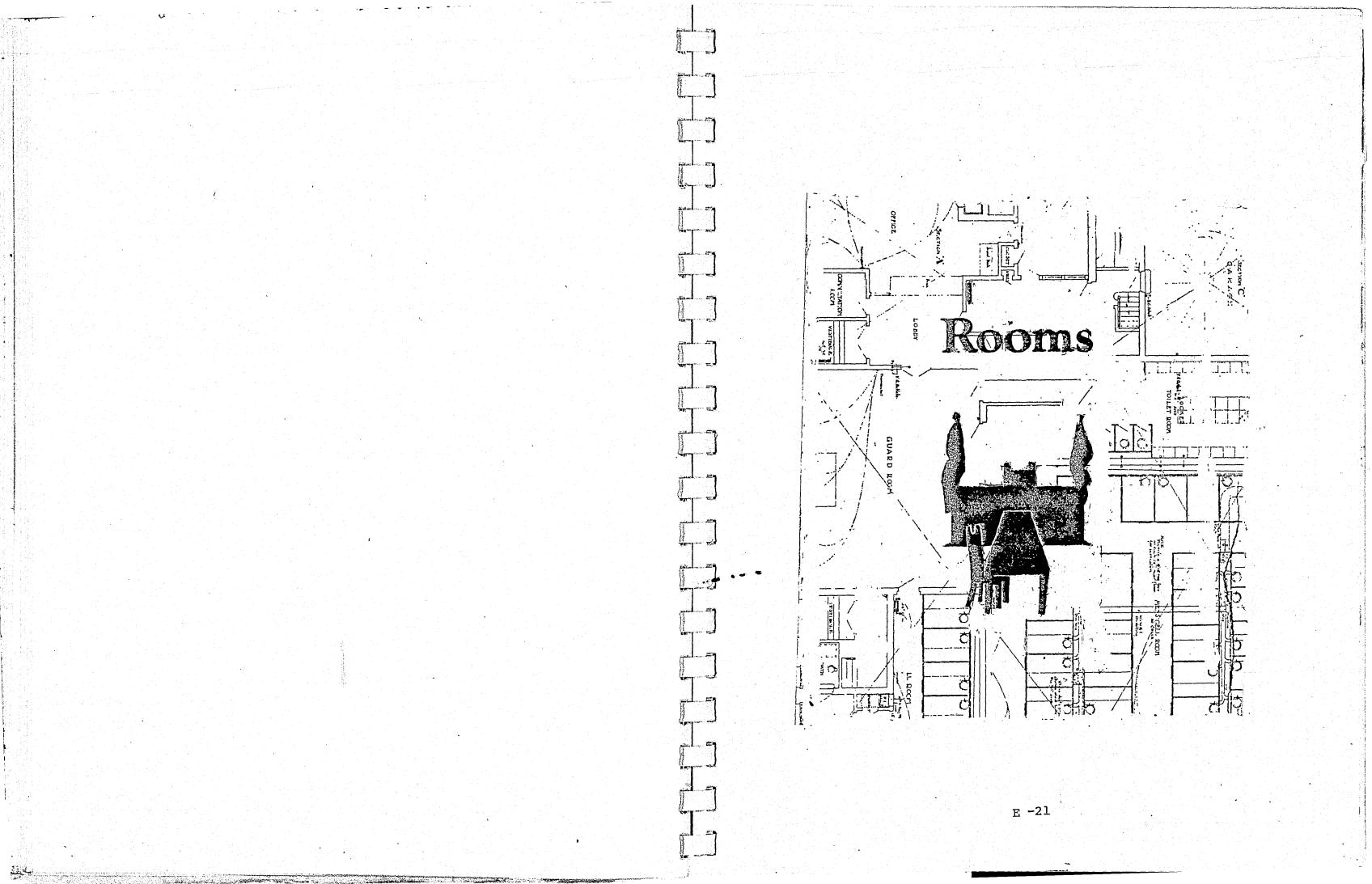
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| TAUNTON | SUPERIOR | COURTHOUSE | | | | |
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Criteria

A REAL PROPERTY.

And a second
| Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are summerence | based on the following rating scale: |
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| rooms, libraries, hearing rooms, secretarial areas, conference all of the information in the table on the facing page, (square footage, type of access, finish, acoustics, etc.) | Bright and a |
| -ife of access, finish, acoustics | · · · · · · · · · · · · · · · · · · · |
| Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage. | Percent (%) of Windows: The approximate percentage of the total wall area of the room which is composed of glass, |
| Other areas and | |
| Other areas such as closets, restrooms, elevators and stairways are not surveyed at all. | Neight: The floor to ceiling height. |
| | ACOUSTICS The acceptability of the |
| Definitions | ACOUSTICS The acceptability of the acoustics of each room is based syon measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter echo and reverberation time). |
| | Kating Explanation |
| AREA Total floor area including work space, circulation space, and | |
| ACCESS The downers | Acceptable: Noise level and reverberation time are within standards for each room function from are |
| ACCESS The degree to which public entry into a room is restricted. | echo is absent or slight. |
| Symbol Explanation | Un N Unacceptable: Noise level exceeds standard or inter- feres with room function. |
| Pub Public: Access is unrestricted to general public. | |
| Frivate: Access is name | Un R Unacceptable: Noticeable flutter echo or excessive reverberation time. |
| | Un NR Unacceptable: Both Un N and Un R |
| or locked doors. | LIGHTING |
| UMBER OF USERS The estimated scating capacity of a room for users | Type: Refers to type of light fixtures in the room. |
| nd spectators, based upon current furnishing. | |
| INISH III III III III III III III III III | F - Fluorescent -/ - Combination incandescent/ |
| <u>zterials (Mat)</u> : | Level Datiana Iluorescent |
| | fluorescent based upon comparisons between the measured light in the room are footcandles) and the accepted standards of light levels (in for the functions performed in the room. * |
| | for the functions performed in the room.* |
| - glazed AP - Acoustic Plactar cork S - Store | Rating Explanation Good Light Level |
| - glazed ABT - Asbestos Tile CK - Cork S - Stone - dlazed AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound - textured AT - Acoustic Tile CT - Concrete Absorbing | or equal accepted standards. |
| BC - Bookcase - Glass T - Terrazzo | Fair Light levoir for |
| P = Plaster w vinyi | others are substandard. Poor Light Louis for Some functions are standard; |
| divion (Condtn). | sight levels for all functions are substandard. |
| A CONTRACT AND A | AIR CONDITIONING THE |
| ating Explanation c | Conditioning, if present, in the room. |
| ood Condition of surface shows no sign of damage. Continued | Symbol Explanation |
| preventive maintenance is sufficient to maintain this | and air conditioning present. |
| | c Central air conditioning. |
| scal, repairs and correctly some damage. Small | W Window air conditioning units. |
| to retard deterioration of condition. | R Room air-conditioning units |
| Soor Condition of surface indicates severe damage. Large | (n) W Indicates multiple at a |
| scale corrective maintenance is pecessary to prevent | (n)W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W. |
| | |
| De Gue | |
| Refer to technical information section for further explanation | |
| the the explanation | |

| | NEW BEDFORD | | | | | | FINISH | | | | | | | | | | |
|--------|----------------------|--|-------------|---------------|-----|--------|--------|--------------|--------|--------|--|--|-----|----------------|----------|-------|-----|
| | REGISTRY | AREA (sq. | ACC- | # of US- | | | | | FLOORS | | CEILINGS | | | | LIGHTING | | |
| • | ROOM | | ESS | ERS | Mat | Cordtn | Tone | % of Winā | Mat | Condtn | Mat | Condtn | Ht | ACOU- STICS | Туре | Level | AIR |
| | SECOND FLOOR | | | | | | | | | | | | | | | | |
| | Clerk of Cts. Office | 235 | SEC | 3 | рР | GOOD | 5 | 20 | С | GOOD | AT | GOOD | 14' | ACC | F | GOOD | C |
| | lst Ass't Clerk Off, | 155 | SEC | 3 | pP | GOOD | 5 | 10 | C | GOOD | AT | GOOD | 14' | ACC | F | GOOD | с |
| | Clerk General Office | 260 | PUB/ PRV | 4 | pР | GOOD | 5 | 0 | C | GOOD | AT | GOOD y | 14' | ACC | F | GOOD | C |
| | Judge's Sec'y | 130 | PRV | 3 | рР | GOOD | 5 | 0 | С | GOOD | AT | GOOD | 14' | ACC | F | GOOD | С |
| | Judge's Lobby | 520 | SEC | 5 | Чq | GOOD | 5 | | | GOOD | AT | GOOD | 141 | | | | G |
| 년 - | Probation Office | 675 | PUB | 16 | pP | GOOD | 5 | | с | GOOD | AT | GOOD | 14' | | | | C |
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| | | an a | | Andreas Table | | | | | | A | and the second | and a second | | | • | | * |

Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page, (square footage, type of access, finish, acoustics, etc.)

Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage.

Other areas such as closets, restrooms, elevators and stairways are not surveyed at all.

Definitions

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AREA Total floor area including work space, circulation space, and , storags in square feet. .

ACCESS The degree to which public entry into a room is restricted.

- Symbol Explanation
- Pub Public: Access is unrestricted to general public.

Prv Private: Access is partially restricted by means of doors, counters, or graphics.

Sec Secure: Access is restricted by guard, receptionist, or locked doors.

NUMBER OF USERS The estimated seating capacity of a room for users and spectators, based upon current furnishing.

FINISH Materials (Mat): -

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| • | | 1460 | Goal | 8.3 | | | | | | | | |
|----|------|-----------|-------|-----|----------|---------|-----|---------|--------------|----|---|------------------|
| p | ÷ | painted | ABT | - | Asbestos | Tile | CK | ~ | Cork | S | - | Stone |
| g | ~ | glazeŭ | AP | · 🕳 | Acoustic | Plaster | CRT | - | Ceramic Tile | SA | ~ | Sound |
| t | *** | textured | AT | ÷ | Acoustic | Tile | CT | - | Concrete | | | Absorbing |
| | | | B | - | Brick | | G | - | Glass | T | | Terrazzo |
| | | | BC | | Bookcase | | М | | Metal | v | - | Vinyl |
| | , | | C | - | Carpet | | P | - | Plaster | W | - | Wood |
| | | - | СВ | | Concrete | Block | P3 | | Paper | WP | - | Wood Paneling |
| 11 | 2010 | lition (C | ondti | 1): | • | | | | | | | |

Explanation

Rating

Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition.

Fair Condition of surface indicates some damage. Small scals repairs and corrective maintenance are necessary to retard deterioration of condition.

- Poor Condition of surface indicates severe damage. Large scale corrective maintenance is pecessary to prevent complete loss of the finish.
- Tone: A subjective evaluation of the color tone of the room based on the following rating scale: Drab and Austere Bright and Cheerful Parcent (5) of Windows: The approximate percentage of the total wall area of the room which is composed of glass. Height: The floor to ceiling height. ACOUSTICS The acceptability of the acoustics of each room is based upon measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter echo and reverberation time)." Rating Explanation Acceptable: Noise level and reverberation time are within standards for each room function; flutter Acc echo is absent or slight. Unacceptable: Noise level exceeds standard or inter-feres with room function. Un N Unacceptable: Noticeable flutter echo or excessive reverberation time. Un R Unacceptable: both Un N and Un R Un NR LIGHTING Type: Refers to type of light fixtures in the room. I/F - Combination incandescent/ I - Incandescent F - Fluorescent fluorescent Level: Ratings of the acceptability of light in the room are based upon comparisons between the measured light levels (in footcandles) and the accepted standards of light requirements for the functions performed in the room.* Rating Explanation Light levels for all functions of the room exceed Good or equal accepted standards. g Light levels for some functions are standard; Fair others are substandard. Poor Light levels for all functions are substandard. AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. Explanation Symbol No air conditioning present. N Central air conditioning. C W Window air conditioning units. Room air-conditioning units R

(n)W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W.

* Refer to technical information section for further explanation

| NEW BEDFORD DISTRICT COURT | | | | | | | .] | FINIS | SH | | | | | | | |
|-------------------------------|--------------|-------------|------------|-----------|--------|------|--------------|-------|--------|-----|--------|-----|----------------|------|-------|-----|
| | AREA (sq. | 200 | # of | | WALL | S | | FI | OORS | | CEILIN | GS | | LIG | HTING | |
| ROOM | 1 | ACC- ESS | US- ERS | Mat | Condtn | Tone | % of ₩inô | Mat | Condtn | Mat | Condtn | Ht | ACOU- STICS | | | AIR |
| BASEMENT | | | | | | | | | | | | | | | | |
| Juvenile Cells | 70 ea | SEC | : 12 | pB/ pM | FAIR | 1 | 0 | СТ | FAIR | М | GOOD | 7 ' | ACC | None | POOR | N |
| Juw.P.O. Sec'y | 195 | PUB | 3 | WP | GOOD | 2 | 0 | v | GOOD | AT | GOOD | 81 | | F | FATR | |
| Juv. C.P.O. | 225 | SEC | 6 | WP | GOOD | 3 | 10 | v | GOOD | AT | GOOD | 81 | UnN | F | | N |
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| | FIRST FLOOR | | | | | | | | | | | | | | | | | |
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| ヨー23 | Juvenile Session (3rd Session Courtroom) | 500 | PRV | 28 | PP∕B ₩ | C FAIR | 2 | 1 | v | FAIR | АТ | GOOD | 151 | UnN | F | POOR | 214 | |
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| Criteria | Tone: A subjective evaluation of the color tone of the room based on the following rating scale: |
| Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page, (square footage, type of access, finish, acoustics, etc.) Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage. Other areas such as closets, restrooms, elevators and stairways are not surveyed at all. | Eright and Cherrful Drab and Austrie Percent (X) of Windows: The approximate percentage of the total wall area of the room which is composed of glass. Naight: The floor to calling height. ACOUSTICS The acceptability of the acoustics of each room is based upon measurements of ambient noise level (dba), and upon reverberan characteristics (flutter echo and reverberation time). |
| Definitions | Rating Explanation |
| AREA Total floor area including work space, circulation space, and storage in square feet. | Acceptable: Noise level and reverberation time are within standards for each room function; flutter echo is absent or slight. |
| ACCESS The degree to which public entry into a room is restricted. Symbol Explanation | Un N Unacceptable: Noise level exceeds standard or inter- fores with room function. |
| PubPublic: Access is unrestricted to general public.PrvPrivate: Access is partially restricted by means of | Un R Unacceptable: Noticeable flutter echo or excessive reverberation time. |
| doors, counters, or graphics. Sec Secure: Access is restricted by guard, receptionist, or locked doors. | Un NR Unacceptable: Both Un N and Un R LIGHTING Type: Refers to type of light fixtures in the room. |
| NUMBER OF USERS The estimated seating capacity of a room for users and spectators, based upon current furnishing. | I - Incandescent I/F - Combination incandescent/ F - Fluorescent fluorescent |
| FINISH <u>Katuriala (Nat)</u> : Filfixua Collup | Level: Ratings of the acceptability of light in the room are based upon comparisons between the measured light levels (in footcandles) and the accepted standards of light requirements for the functions performed in the room.* |
| p - painted ABT - Asbeston Tile CK - Cork S - Store | Rating Explanation |
| J = Glazou = AP = Acoustic Plaster CRT - Coramic Tile SA = Soundt - textured AT - Acoustic Tile CT - Concrete Absorbing | Good Light levels for all functions of the room exceed or equal accepted standards. |
| BC - Bookcase M - Metal V - Vinyl | Fair Light levels for some functions are standard; others are substandard. |
| CB - Concrete Block PR - Paper W - Wood CB - Concrete Block PR - Paper WP - Wood Paneling | Poor Light levels for all functions are substandard. |
| Rating Explanation | AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. |
| | Symbol Explanation |
| Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this | N No air conditioning present. |
| condition. | C Central air conditioning. |
| Fair Condition of surface indicator care income | W Window air conditioning units. |
| Pair Condition of surface indicates some damage. Small scale repairs and corrective maintenance are necessary to retard deterioration of condition. | R Room air-conditioning units |
| Poor Condition of surface indicates severe damage. Large scale corrective maintenance is recessary to prevent complete loss of the finish. | <pre>(n)W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W.</pre> |

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FALL RIVER FINISH DISTRICT AREA # of WALLS FLOORS CEILINGS LIGHTING (sq. ft.) ACC- US-ERS MatCondtn Tone WindMat Condtn ACOU-ΛIR ROOM ESS MatCondtn Ht STICS Type Level COND SECOND FLOOR 2nd Session Ctrm. PUB 23 WP GOOD 3 0 C GOOD \mathbf{AT} GOOD 11' ACC F FAIR С 380 Juv. Probation PUB 5 GOOD 5 10 С GOOD АT GOOD 11' ACC F GOOD С 375 WP

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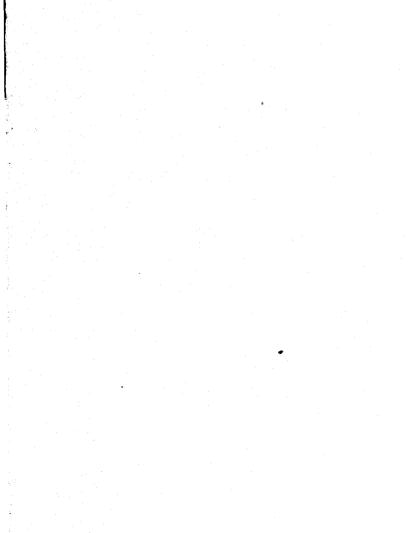
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| | Criteria | Tons: A subjective evaluation of the color tone of the room based on the following rating scale: |
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| Indiana for the second s | rooms, libraries, lounges and detention Sacilities are surveyed for | bright and CheerfulDrab and Austere54321 |
| Storage areas, values, schinery areas and cubdial rooss are surveyed or only the square foctage. Reight: The floor to calling height. Other areas such as closets, restrooms, elevators and stalways are not surveyed at all. Reight: The floor to calling height. DEfinitions ACCES The acceptability of the acoustics of each room is based upon measurements of abblent noise level (why, and upon revorberan closer which public entry into a room is restricted. Symbol Explanation Pub Public: Access is mestricted to general public. Pr Private: Access is partially restricted by guard, receptionint, or looked doors, counters, or graphics. NUMPER of ULESS Condexid doors, conductor, based upon current furnishing. Private: Access is restricted by guard, receptionint, or looked doors, counters, or graphics. Private: Access is restricted by guard, receptionint, or looked doors, counters, or graphics. Private: Access is restricted by guard, receptionint, or looked doors, counters, or graphics. Prefixed Colses P = shitch affer free or concess is a stale recess is a stale recess is a construct of the recent is a construction future or looked doors. Prefixed Colses P = shitch affer free is and to recess is a stale recess is a construct of the recent at construction future or looked doors. Prefixed Colses P = shitch affer free is and to recess and recessary | (square footage, type of access, finish, acoustics, etc.) | Percent (%) of Windows: The approximate percentage of the total wall area of the room which is composed of glass. |
| not surveyed at all. Definitions ARSA Total floor area including work space, circulation space, and storago in figure feet. ARSA Total floor area including work space, circulation space, and storago in figure feet. ARSA Total floor area including work space, circulation space, and storago in figure feet. ARSA Total floor area including work space, circulation space, and storago in figure feet. ARSA Total floor area including work space, circulation space, and storago in figure feet. ARSA Total floor area including work space, circulation space, and storago in figure feet. ARSA Total floor area including work space, circulation space, and storago in figure feet. ARCHARCE STRE degree to which public entry into a room is restricted. Symbol Explanation Pub Public: Access is partially restricted by means of doors, counters, or graphics. Sec Socures, coss is restricted by guard, receptionist, or locked doors. Priview of the scient fight fraction incandescent/ fractions furthishing. Priview of the scient fight fractions for the scient fight fractions of the room for users for the functions performed in the acceptability of light in the room. Internation Internation functions of the room fight fractions of the room scient fight fractions performed in the acceptability of light in the room scient fight fractions performed in th | Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage. | |
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| SecSecure: Access is restricted by guard, receptionist, or locked doors.LIGHTINGNUMBER OF USERS The estimated seating capacity of a room for users and spectators, based upon current furnishing.IIGHTINGPNITSH MiterfuleIIGHTINGFinsflagsColesP - painted APT - Asbastos Tile | | A set of the set of |
| NUMBER OF USERS The estimated seating capacity of a room for users and spectators, based upon current furnishing.IIIFINISH Xiteriala (Matt):IIIIIncandescentI/F - Combination incandescent/ fluorescentFisfirad g = glazed g = glazed f = charsetConstitution for users of the functions performed in the room exceed or equal accepted standards.Fisfirad g = glazed f = charsetConstitution for constence or constenceS = Stone or constitution for constence or constenceP = painted g = glazed f = charsetC = Concrete or constence f = fluorescentAbsorbing or constence or constence or constence or constence or constenceS = Stone or constence or constence or constence or constence or constence or constition.Rating condition condition.ExplanationConstinued or constence or constence <br< td=""><td>Sec Secure: Access is restricted by guard, receptionist,</td><td></td></br<> | Sec Secure: Access is restricted by guard, receptionist, | |
| FINISH Xiterials (Matt):Finish Xiterials (Matt):Pointed ABT - Asbestos Tile 9 - painted ABT - Asbestos Tile 1 - textured AT - Acoustic Plaster CKT - Ceramic Tile 8 - Brick C - Carpet B - Brick C - Carpet C - Carpet C - Carpet C - Correte Block C B - Plaster Condition of surface shows no sign of damage. Condition of surface indicates some damage. Fair Condition of surface indicates severe damage. Condition of surface indicates severe d | | I - Incandescent I/F - Combination incandescent/ |
| Profixed Codes P - painted ABT - Asbestos Tile CN - Cork S - Stone g - glazed AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound Absorbing t - textured AT - Acoustic Tile CT - Concrete Absorbing B - Brick G - Glass T - Terrazzo DC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Wood Cadition (Condtn): Paneling Rating Explanation Cood Condition of surface shows no sign of dam/ge. Continued preventive maintenance is sufficient to maintain this condition. Symbol Explanation N N o air conditioning units. N N o air conditioning units. Fair Condition of surface indicates some damage. Small scale corrective maintenance are necessary to retard deterioration of condition. Small R Room air-conditioning units. Poor Condition of surface indicates sever damage. Large scale corrective maintenance is precessary to retard deterioration of precessary to retard deterioration of precessary to prevent N Indicates multiple window units, (e.g., 3 window units would be entered as (3)W. | FINISH | Level: Ratings of the acceptability of light in the room are based upon comparisons between the measured light levels (in footcandles) and the accepted standards of light requirements |
| g - glazed AP - Acoustic Flaster CRT - Ceramic Tile SA - Sound t - textured AT - Acoustic Tile CT - Concrete Absorbing B - Brick G - Glass T - Terrazo BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Nood CB - Concrete Block PR - Paper WP - Wood CB - Concrete Block PR - Paper WP - Wood Candizion (Condin): Rating Explanation Surface shows no sign of dam/ge. Continued preventive maintenance is sufficient to maintain this condition. Fair Condition of surface indicates some damage. Small scals - ep-irs and corrective maintenance are necessary to retard deterioration of condition. Poor Condition of surface indicates severe damage. Large scale corrective maintenance is preventive maintenance are necessary to retard deterioration of condition. Poor Condition of surface indicates severe damage. Large Poor Condition of surface indicates severe damage. Large Seals - coptive maintenance is preventive maintenance are necessary to retard deterioration of condition. Poor Condition of surface indicates severe damage. Large Suphon Suphon Surface indicates severe damage. Large Suphon Suphon /li> | Fiejîxeə Coles | |
| B - Brick G - Glass T - Terrazzo BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Nood CB - Concrete Block PR - Paper WP Wood Paneling Paneling Paneling AIR CONDITIONING The symbols indicate the type of air Condition (Condth): Paneling AIR CONDITIONING The symbols indicate the type of air Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition. N No air conditioning present. Fair Condition of surface indicates some damage. Small scal; .cp_irs and corrective maintenance are necessary to retard deterioration of condition. Small R Poor Condition of surface indicates severe damage. Large scale corrective maintenance is precessary to prevent Condition of surface indicates severe damage. Large scale corrective maintenance is precessary to prevent N Indicates multiple window units, (e.g., 3 window units would be entered as (3)W. | g - glazed AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound | |
| C - Carpet CB P Plaster Paper W - Nood WP Poor Light levels for all functions are substandard. Condition (Condin): WP WP Wood Paneling AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. Rating Explanation Symbol Explanation Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition. N No air conditioning present. Fair Condition of surface indicates some damage. to retard deterioration of condition. Small scali p_irs and corrective maintenance are necessary to retard deterioration of condition. Small R R Room air-conditioning units. Poor Condition of surface indicates severe damage. scale corrective maintenance is pecessary to prevent Large scale corrective maintenance is pecessary to prevent Small | B - Brick G - Glass T - Terrazzo | |
| Paneling Paneling Condition (Condin): Paneling Rating Explanation Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition. Symbol Explanation Fair Condition of surface indicates some damage. Small scals .ep.irs and corrective maintenance are necessary to retard deterioration of condition. Small N Poor Condition of surface indicates severe damage. Large scale corrective maintenance is peccessary to prevent Indicates multiple window units, (e.g., 3 window units would be entered as (3)W. | C - Carpet P - Plaster W - Wood | Poor Light levels for all functions are substandard. |
| Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this N No air conditioning present. Good Condition of surface indicates some damage. Small scal: reprire and corrective maintenance are necessary to retard deterioration of condition. N No air conditioning present. Poor Condition of surface indicates severe damage. Large scale corrective maintenance is pecessary to prevent N No air conditioning present. Poor Condition of surface indicates severe damage. Large scale corrective maintenance is pecessary to prevent N No air conditioning units. | Paneling | |
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| Fair Condition of surface indicates some damage. Small R Room air-conditioning units scal: .ep:irs and corrective maintenance are necessary R Room air-conditioning units to retard deterioration of condition. (n)W Indicates multiple window units, (e.g., 3 window units, scale corrective maintenance is pecessary to prevent Poor Condition of surface indicates severe damage. Large scale corrective maintenance is pecessary to prevent units would be entered as (3)W. | | |
| scals reprints and corrective maintenance are necessary to retard deterioration of condition. Poor Condition of surface indicates severe damage. Large scale corrective maintenance is pecessary to prevent | | • |
| Poor Condition of surface indicates severe damage. Large units would be entered as (3)W. scale corrective maintenance is precessary to prevent | scal, epirs and corrective maintenance are necessary | |
| complete loss of the finish. | scale corrective maintenance is pecessary to prevent | |
| | complete loss of the finish. | |

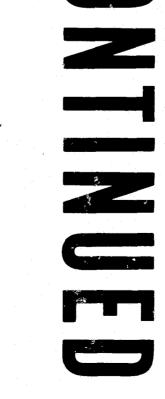
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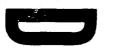
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Reference - Commence

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Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page, (square footage, type of access, finish, acoustics, etc.)

Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage.

Other areas such as closets, restrooms, elevators and stairways are not surveyed at all.

Definitions

- . . .

AREA Total floor area including work space, circulation space, and . storage in square feet. .

ACCESS The degree to which public entry into a room is restricted.

Symbol Explanation

Pub Public: Access is unrestricted to general public.

Prv Private: Access is partially restricted by means of doors, counters, or graphics.

Sec Secure: Access is restricted by guard, receptionist, or locked doors.

NUMBER OF USERS The estimated seating capacity of a room for users and spectators, based upon current furnishing.

FINISH <u>Materials (Mat)</u>:

Fregizee Coles

p - paintedABT - Asbestos TileCK - CorkS - Stoneg - glazedAP - Acoustic PlasterCRT - Ceramic TileSA - Soundt - texturedAT - Acoustic TileCT - ConcreteAbsorbingB - BrickG - GlassT - TerrazzoBC - BookcaseM - MetalV - VinylC - CarpetP - PlasterW - WoodCB - ConcreteBlockPR - PaperCondition (Condtn):ConditionC

Kating Explanation

Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition.

Fair Condition of surface indicates some damage. Small scal: repairs and corrective maintenance are necessary to retard deterioration of condition.

Poor Condition of surface indicates severe damage. Large scale corrective maintenance is recessary to prevent complete loss of the finish.

| Tone: | A | subjective | evaluation | of the | color | tone | o£ | the | room |
|-------|----|-------------|--------------|--------|-------|------|----|-----|------|
| based | on | the follows | ing rating a | scale: | | | | | |

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| | | | | | ÷ | | | | 1.11 | |

Percent (%) of Windows: The approximate percentage of the total wall area of the room which is composed of glass.

Height: The floor to ceiling height.

ACOUSTICS The acceptability of the acoustics of each room is based upon measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter echo and reverberation time).

Rating Explanation

| Acc | Acceptable: Noise level and reverberation time are within standards for each room function; flutter |
|------|---|
| | echo is absent or slight. |
| Un N | Unacceptable: Noise level exceeds standard or inter- feres with room function. |

Un R Unacceptable: Noticeable flutter echo or excessive reverberation time.

Un NR Unacceptable: Both Un N and Un R

LIGHTING *Type:* Refers to type of light fixtures in the room.

I - Incandescent I/F - Combination incandescent/

F - Fluorescent fluorescent Level: Ratings of the acceptability of light in the room are based upon comparisons between the measured light levels (in footcandles) and the accepted standards of light requirements for the functions performed in the room.*

- Rating
 Explanation

 Good
 Light levels for all functions of the room exceed or equal accepted standards.
- Fair Light levels for some functions are standard; others are substandard.

Poor Light levels for all functions are substandard.

AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room.

Symbol Explanation

N No air conditioning present.

C Central air conditioning.

W Window air conditioning units.

Room air-conditioning units

(n)W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W.

* Refer to technical information section for further explanation

| <u> </u> | لسا | للسب | لأستحص | للسنة | للسلة | لسا | المسل | . | لأستك | أستحص | . Kernen and State | C | کت جینا |
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| SUPERIOR | AREA (sq. | ACC- | # of US- | | WALL | S | | FI | OORS | | CEILIN | GS | | LIG | HTING | |
| ROOM | | ESS | ERS | Mat | Condtn | Tone | ℓ of Wind | Mat | Condtn | Mat | Condtn | Ht | ACOU- STICS | Туре | Level | AIR COND |
| SECOND FLOOR | | | | | | | | | | | | | | | | |
| 2nd Sess. Sup'r Ctrm. | . 1055 | PUB | 43 | Чq | POOR | 3 | 40 | W | FAIR | Pq | GOOD | 30' | UnN | I | POOR | N |
| Juvenile Court Probation Sec'y | 250 | PUB | 6 | pP | GOOD | 3 | 20 | W | FAIR | Pα | GOOD | 12' | ACC | I | FAIR | N |

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Courtrooms, offices, hearing rooms, sccretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page, (square footage, type of access, finish, acoustics, etc.)

Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage.

Other areas such as closets, restrooms, elevators and stairways are not surveyed at all.

Definitions

AFEA Total floor area including work space, circulation space, and storage in square feet.

ACCESS The degree to which public entry into a room is restricted.

Symbol Explanation Pub

Public: Access is unrestricted to general public.

Private: Access is partially restricted by means of doors, counters, or graphics. Prv

Secure: Access is restricted by guard, receptionist, Sec or locked doors.

NUMBER OF USERS The estimated seating capacity of a room for users and spectators, based upon current furnishing.

FINISH Materials (Mat):

Frefixea Coles

| g - glazed t - textured | ABT - Asbestos AP - Acoustic AT - Acoustic B - Brick BC - Bookcase C - Carpet CB - Concrete | Plaster Tile | CRT - CT - G - M - P - | Concrete Glass | SA - T - V - W - | - Stone - Sound Absorbing - Terrazzo - Vinyl - Wood - Wood |
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Condition (Condth):

| Rating | Explanation | |
|--------|---|---|
| Good | Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition. | • |
| Fair | Condition of surface indicates some damage. Small scal_ copies and corrective maintenance are necessary to retard deterioration of condition. | • |
| Poor | Condition of surface indicates severe damage Large | |

Condition of surface indicates severe damage. Large scale corrective maintenance is necessary to prevent complete loss of the finish.

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| Pa to | rcent (%) tal wall a | of Windows: The approximate percentage of the trea of the room which is composed of glass. |
| lle | ight: The | floor to ceiling height. |
| upc | on measure | he acceptability of the acoustics of each room is based ments of ambient noise level (dbA), and upon reverberan- tics (flutter echo and reverberation time). |
| • | Rating | Explanation |
| | | |
| | Acc | Acceptable: Noise level and reverberation time are within standards for each room function; flutter echo is absent or slight. |
| | Acc Un N | Within standards for each room function: flutter |
| | | Within standards for each room function; flutter echo is absent or slight. Unacceptable: Noise level exceeds standard or inter- |
| | Un N | Within standards for each room function; flutter echo is absent or slight. Unacceptable: Noise level exceeds standard or inter- feres with room function. Unacceptable: Noticeable flutter echo or excessive |

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Level: Ratings of the acceptability of light in the room are based upon comparisons between the measured light levels (in footcandles) and the accepted standards of light requirements for the functions performed in the room.*

- Rating Explanation Light levels for all functions of the room exceed or equal accepted standards. Good
- Light levels for some functions are standard; Fair others are substandard. Light levels for all functions are substandard. Poor

AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. Symbol Explanation

No air conditioning present. N C Central air conditioning.

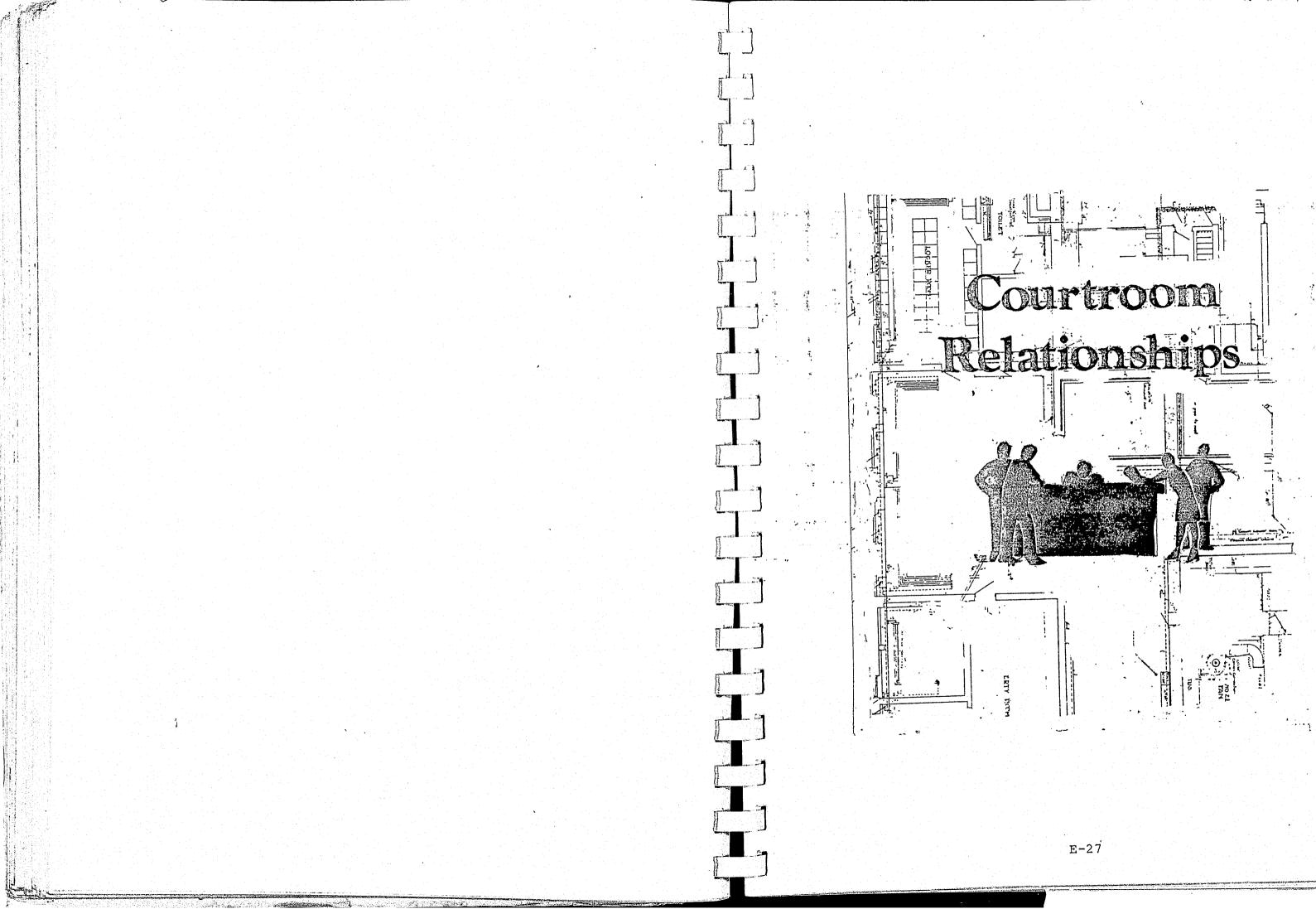
- W Window air conditioning units.
 - Room air-conditioning units
- Indicates multiple window units, (e.g., 3 window units would be entered as (3)W. (n)W

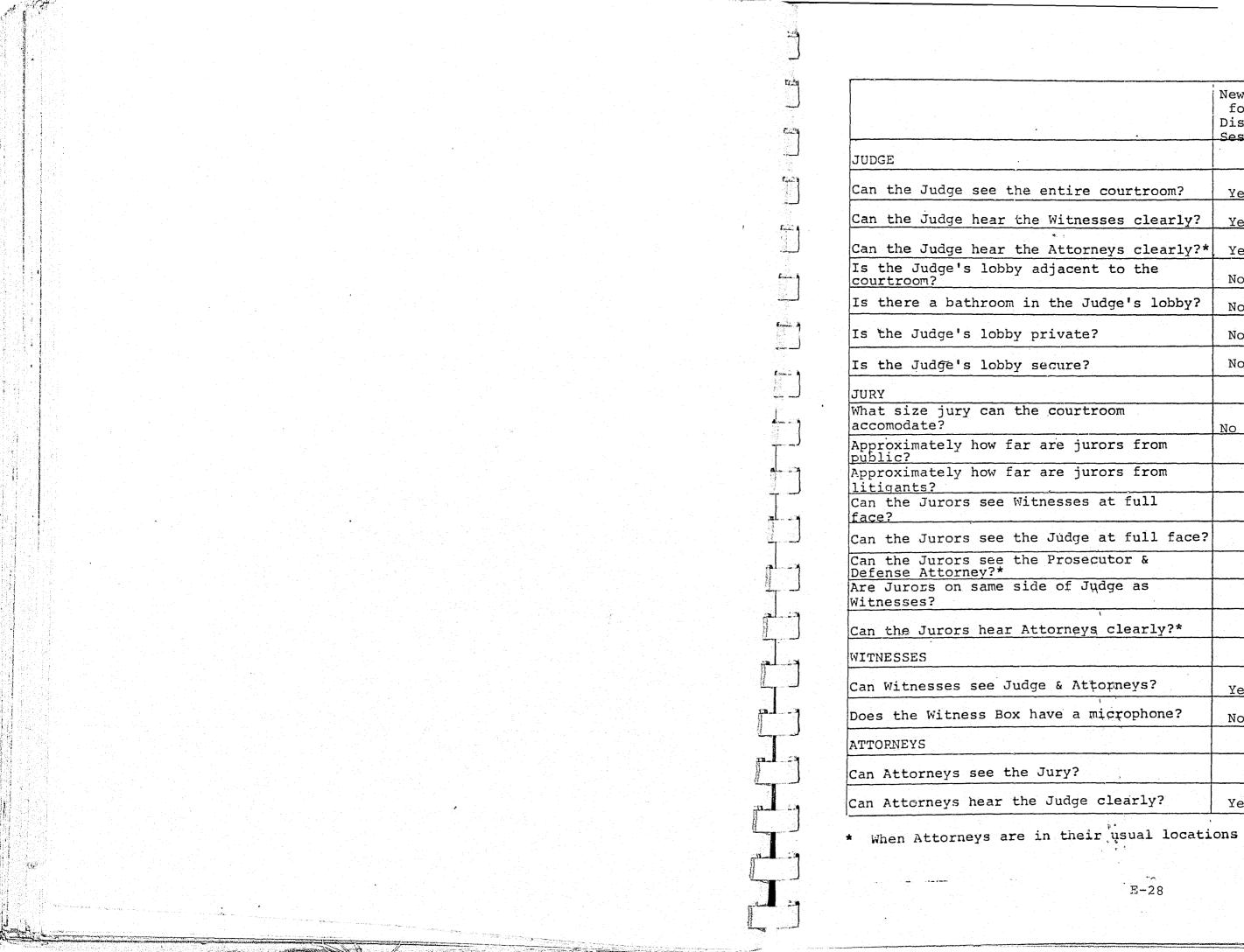
| | * Refer to technical information section for further explanation | |
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| | DISTRICT | AREA (sq. | ACC- | ∦ of | 1 | WALL | | | | OORS | | CEILIN | GS | | LIG | HTING | |
| • | ROOM | ft.) | ESS | US- ERS | Mat | Condtn | Tone | % of Winc | Mat | Condtn | Mat | Condtn | Ht | ACOU- STICS | Туре | Level | AIR |
| • | BASEMENT | | | | | | | | | | | | | | | | |
| · · · | Juvenile Cell #1 | 85 | SEC | 4 | pP | FAIR | 3 | 5 | CT | GOOD | рР | FAIR | 12' | UnR | I | POOR | N |
| | Juvenile Cell #2 | 85 | SEC | 4 | pp | FAIR | 3 | 5. | . CT | GOOD | рР | FAIR | 12' | UnR | I | POOR | N |
| | | | | | | | | | | | | | - | | | | |

| | FIRST FLOOR | | | | | | | | | | | | | | | | | |
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| | Juvenile P.O. | 145 | PUB | 4 | pP | GOOD | 2 | 5 | V | GOOD | qР | GOOD | 10' | UnN | F | GOOD | N | |
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| -26 | SECOND FLOOR | | | | | | | | | | | | | | | | | |
| | Ĵuv. & Prob. Ctrm. | 1100 | PRV | 60 | pP | POOR | 3 | 30 | V | GOOD | pР | FAIR | 15' | UnR | F | FAIR | R | |
| | Judge's Lobby | 280 | SEC | 4 | pР | GOOD | 3. | 15 | V | GOOD | pР | GOOD | 12' | UnR | F | GOOD | N | |
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| • | Dist.3rd | River 1Dist.2r | Taunton Sup'r d 2nd Session |
|---------------------|----------------|-------------------|---------------------------------------|
| | | | |
| entire courtroom? | Yes | Yes | Yes |
| Witnesses clearly? | Yes | Yes | Yes |
| Attorneys clearly?* | Yes | Yes | Yes |
| djacent to the | No | No | No |
| the Judge's lobby? | No | | Yes |
| rivate? | No | | Yes |
| ecure? | No | | Yes |
| | | | |
| courtroom | <u>No jury</u> | No jury | 12 |
| are jurors from | | | 5' |
| are jurors from | | | 2' |
| nesses at full | | | Yes |
| Judge at full face? | | • | Yes |
| Prosecutor & | | | Yes |
| e of Judge as | | | ŅЧ |
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| | | | |
| e & Attorneys? | Yes . | Yes | Yes |
| ave a microphone? | No | No | No |
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| | | Session | Session | 1.26 |
| | ATTORNEYS (continued) | | | ļ |
| | Can Attorneys hear the Witnesses clearly | | Yes | Ye |
| | | Yes Yes | 165 | 1 ie |
| | Approximately how far is the defendant from counsel? | 31 | Adj. | Ad |
| | Are Lawyer conference rooms conveniently | | | 1 |
| | located? | No | Yes | NC |
| | COURT OFFICERS | | 1 | |
| | Do Court Officers have a designated | | | |
| | place in courtroom? | No | No | Ye |
| | Are they near enough to defendant to restrain him? | Yes | Yes | Nc |
| | Is there a Court Officer located between | | 1 | Ye |
| | Jury & public? | | | 1 IE |
| | Is a Court Officer located so that he can protect Judge? | No | No ' | No |
| | | | | ┨╌╌╍ |
| | PROBATION OFFICERS | | | |
| | Is there a space for the Probation Officer and his records? | | | |
| | | No | No | No |
| | DEFENDANT | |]. | |
| | Can the Defendant hear the Judge clearly? | | | 1 |
| | Can the Defendant hear the Attorneys | Yes | Yes | Ye |
| ai Fe | clearly?* | Yes | Yes | Ye |
| | Can the Defendant hear the Witnesses | | | V |
| | clearly? | Yes | Yes | Ye |
| | GENERAL | | | |
| | Is there an alarm system? | | | |
| | IS there an araim system; | No | NO | No |
| | Does the courtroom have a blackboard? | Yes | Yes | Ye |
| | Can the courtroom be darkened for visual | | <u> </u> | |
| | aids? | Yes | Yes | Nc |
| | Is there a clock? | No | Yes: | Ye |
| | | | <u> </u> | |
| | PUBLIC | | | |
| | Is the Public seating comfortable? | Yes | Yes | Ye |
| | | ··· | | |
| | Does the press sit in the public area? | No pres | sNo pres | SS ™C |
| | | <u></u> | | |
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| | 1 | | | | | | | | | | | | | | | | | | | * | Is t | he Ju | udge's | s lobi | oy see | cur |
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| ire courtroom? | Yes | | | |
| tnesses clearly? | Yes | | | r I |
| torneys clearly?* | No | | | |
| cent to the | Yes | | | |
| e Judge's lobby? | Yes | | | |
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| re? | Yes | | | |
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| urtroom | No jury | | · | |
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| dge clearly? | Yes | | | |

their usual locations

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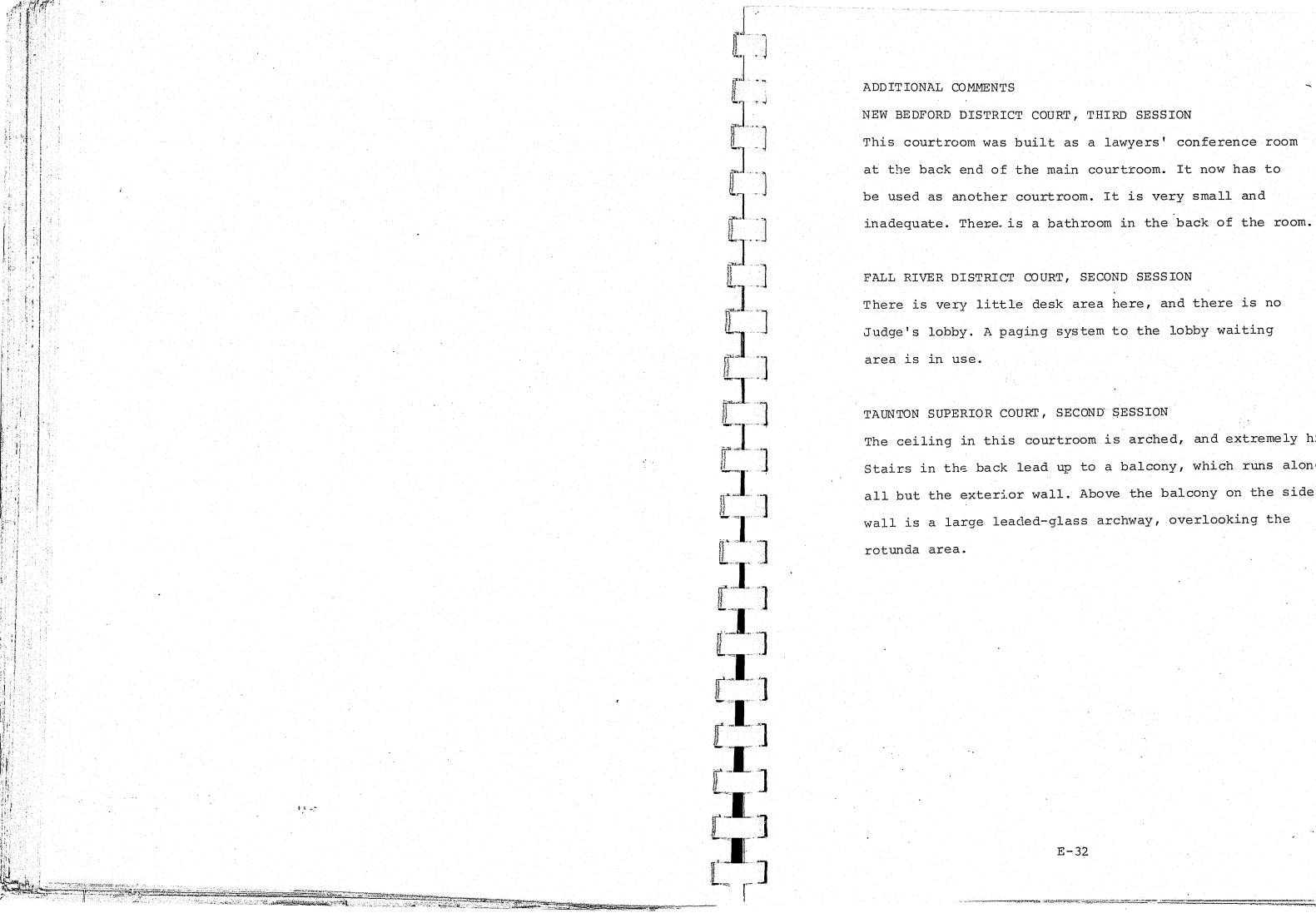
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| | ma. A | |
| | | ATTORNEYS (continued) |
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| | | Can Attorneys hear the Witne |
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| | | Approximately how far is the from counsel? |
| | | Are Lawyer conference rooms located? |
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| 4 | | COURT OFFICERS |
| | | Do Court Officers have a des |
| | | place in courtroom? Are they near enough to defe |
| | | restrain him? |
| | | Is there a Court Officer loc |
| | | Jury & public? |
| | | Is a Court Officer located s protect Judge? |
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| | | PROBATION OFFICERS |
| | | Is there a space for the Pro |
| معاد المشارك معدي | | Officer and his records? |
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| | | clearly?* Can the Defendant hear the W |
| | | clearly? |
| | | GENERAL |
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| | | Is there an alarm system? |
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| | Attlebor Dist.2nd Session | | |
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| tnesses clearly? | No | | · · · |
| the defendant | 15' | | |
| oms conveniently | No | | |
| | | | |
| designated | Yes | | |
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| located between | | · · · · · · · · · · · · · · · · · · · | |
| d so that he can | No | | |
| | | - , | |
| Probation | Yes | | |
| | | | |
| e Judge clearly? | No | | |
| e Attorneys | No | | |
| e Witnesses | No | | |
| | | | |
| | No | | |
| blackboard? | Yes | | |
| ened for visual | Yes | • | |
| J | No | , | |
| | | | |
| fortable? | Yes | | |
| public area? | No press | | |

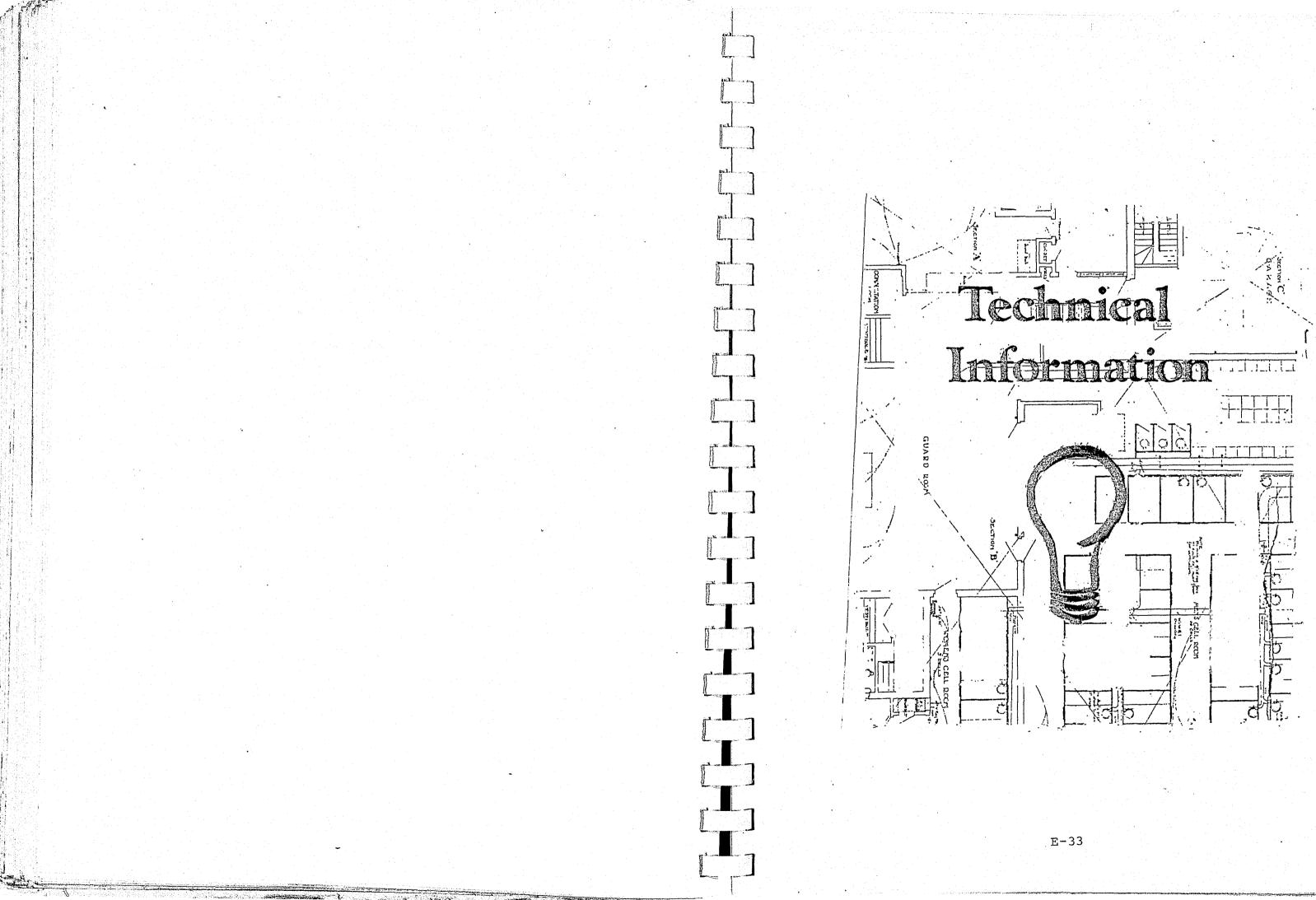
E-31



NEW BEDFORD DISTRICT COURT, THIRD SESSION This courtroom was built as a lawyers' conference room at the back end of the main courtroom. It now has to be used as another courtroom. It is very small and

FALL RIVER DISTRICT COURT, SECOND SESSION There is very little desk area here, and there is no Judge's lobby. A paging system to the lobby waiting

TAUNTON SUPERIOR COURT, SECOND SESSION The ceiling in this courtroom is arched, and extremely high. Stairs in the back lead up to a balcony, which runs along all but the exterior wall. Above the balcony on the side wall is a large leaded-glass archway, overlooking the



ACOUSTICS

Amblant Notee is background noise; that is, an average noise level attributed to sources such as air rushing through ventilators, outside street traffic noise, flourescent balast hum, and others.

The noise level, for this study, was measured in decibels on an A-weighted scale (dBA units). The Aweighted scale compensates for human hearing deficlucies by adjusting the sound levels at each end of the audible frequency spectrum. For a detailed explanation of acoustic measurement, please refer to Sound Control Construction*. For comparison, a table of typical noise levels and optimum background sound levels follows. **

| | Source/Room | Level (dBA) |
|---------|-----------------------|-------------|
| Typical | Aircraft (near plane) | 140 |
| | Person shouting | 80 |
| | Average conversation | 50 |
| Optimum | Conference room | 35 |
| | Private offices | 35 - 45 |
| | Large general offices | 45 |
| | Stenographic offices | 50 - 60 |
| | Courtroom | 35 - 45 |

Field measurements were made with either of two Bruel & Kjaer sound level meters, models #2203 or #2206. These are equipped with microphones which are nearly omnidirectional. The frequency response for the #2206 is 4Hz to 16KHz ([±] 2dB). The frequency response specifications for the #2203 are quite lengthy. (Instruction manual has specifics).

Fluttor Foho occurs when a sound wave bounces continually between two parallel, acoustically reflective surfaces. The magnitude of the sound has to be at an audible level, and the time between bounces must be great enough to make the noises distinguishable as separate sounds. Flutter echo usually sounds like a series of short pings.

To estimate flutter echo, a researcher claps his hands, producing an impulse sound, and then listens for its presence.

Reverscrition time is the duration of sound reflection in a space. It is defined as the time (in seconds) after a constant noise source ceases, that it takes for the original sound pressure level to decrease by one thousand (60 dB). The presence of flutter echo and reverberation times in this study were estimated

To estimate the reverberation time, a researcher coughs, producing a loud sound, and then listens for the rate of decay of the cough.

*Sound Control Construction, Second edition, prepared by the United States Gypsum Co., Chicago, Illinois 1972.

**Sound Control Construction, except for the courtroom data, which was obtained from Mr. Robert Newman, Professor of Architecture, Massachusetts Institute of Technology

***Illuminating Engineering Society, IE3 Lighting Handbook, New York: McGraw-Hill, 1964

LIGHTING

The ratings for lighting acceptability are based upon the accepted standards of light intensity as listed in IES (Illumination Engineering Society) Handbook***. These standards provide a comprehensive listing of the levels of light required for a multitude of tasks.

The standards specify required light levels in foot candles. (One foot candle is defined as the intensity of the light produced by one candle at a distance of one foot). For a given light source, the intensity of the emitted light is inversely proportional to the square of the distance between the source and the point of measurement; for example, if the intensity of a light source was measured as being 400 footcandles at a distance of one foot, at a distance of two feet, the intensity would drop to 100 footcandles. For this reason, the lighting standards refer to light intensity at the work surface. The following table of light requirements, which is representative of court activities, is an extract of a more exhaustive listing in the IES Handbook. *** Required

| Room | Function (| Light Footcandles) |
|-------------------------|--|-----------------------|
| Courtrooms | seating area court activity area | 30 70 |
| Library , | reading printed material study and note taking | 30 70 |
| Conference Room | interviewing | 30 |
| Offices (Accounting) | auditing, tabulating, bookkeeping, business machine operation, compu operation | 150 ter . |
| Offices . (General) | Reading poor reproduc- tions, business machine operation, computer operation | 150 |
| | Reading handwriting in hard pencil or on poor paper, reading fair repr ductions | 100 0- |
| | Reading high contrast or well printed materials | 30 |
| Police | Jail cells | 30 |

Field measurements are made with GE 213 light meter. This meter is color and cosine corrected to give a linear response (accuracy ±15).

Light intensity is not the only factor affecting the illumination of a room. Natural light (sunlight, shaded light and overcast conditions) has a marked affect on the lighting level of a room. Glare from harsh lighting can hinder the ability of the occupants of the room to read and record information. These conditions, as well as other factors affecting the lighting, such as special deficiencies or annoyances, are noted when pertinent.

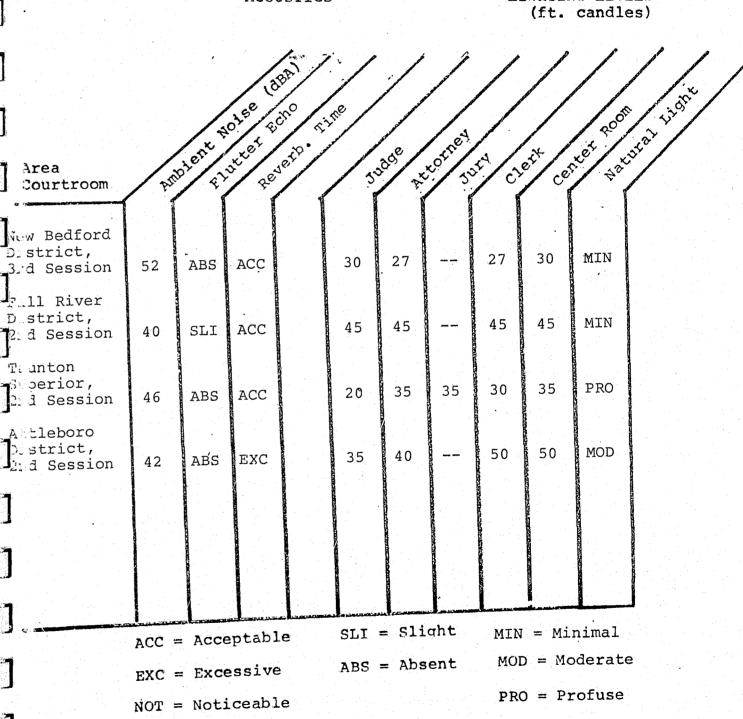
Area

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Teanton

This section contains a table of acoustical and lighting

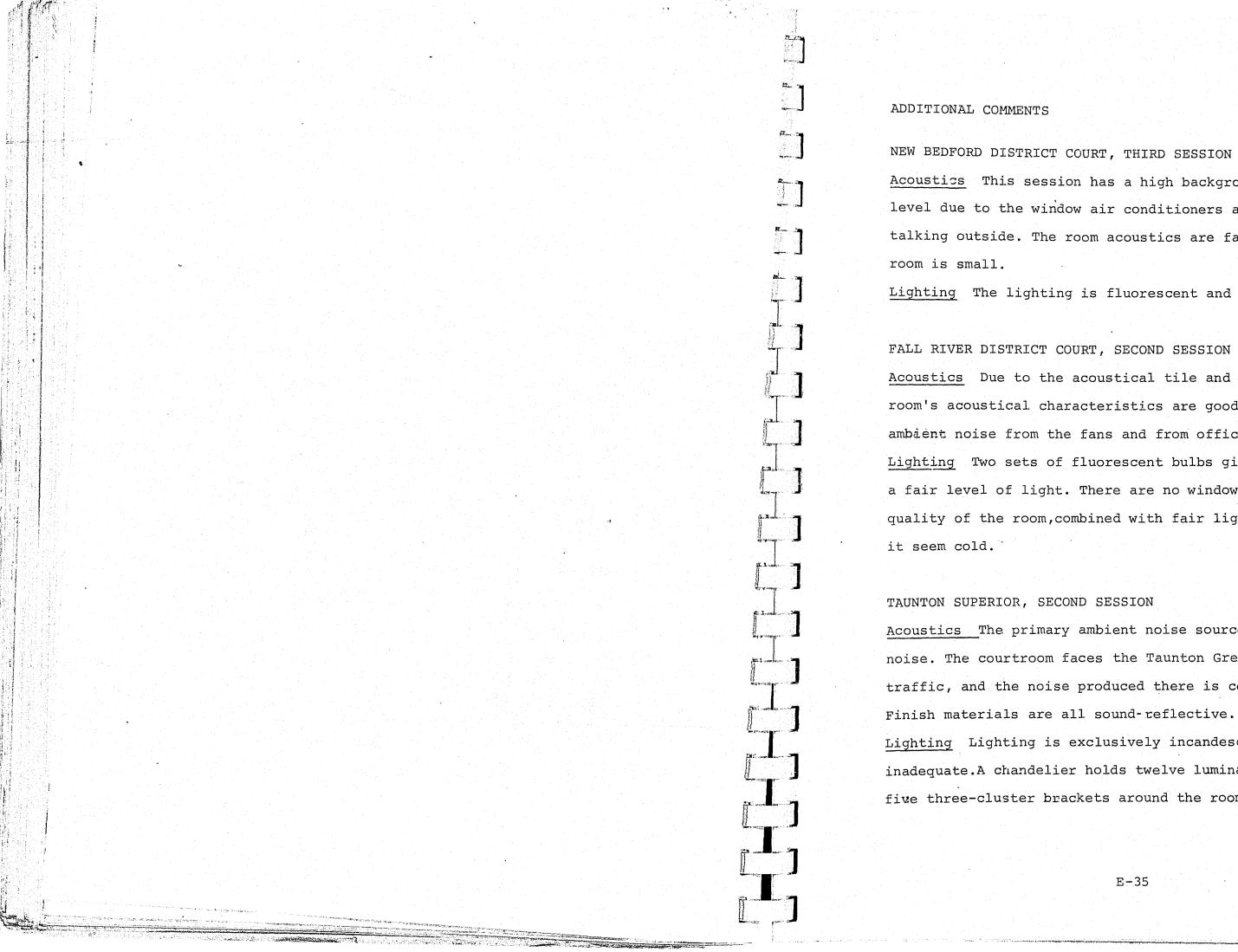
measurements on selected rooms in the courthouse. When further explanation is needed, additional comments will follow the table.



ACOUSTICS

LIGHTING LEVELS

E-34



Acoustics This session has a high background noise level due to the window air conditioners and people talking outside. The room acoustics are fair, since the

Lighting The lighting is fluorescent and at a poor level.

FALL RIVER DISTRICT COURT, SECOND SESSION

Acoustics Due to the acoustical tile and carpeting, this room's acoustical characteristics are good. There is some ambient noise from the fans and from offices next door. Lighting Two sets of fluorescent bulbs give this room a fair level of light. There are no windows and the color quality of the room, combined with fair light levels make

Acoustics The primary ambient noise source is traffic noise. The courtroom faces the Taunton Green, which has heavy traffic, and the noise produced there is considerable.

Lighting Lighting is exclusively incandescent, and completely inadequate. A chandelier holds twelve luminaires. There are five three-cluster brackets around the room.

ADDITIONAL COMMENTS, CONT.

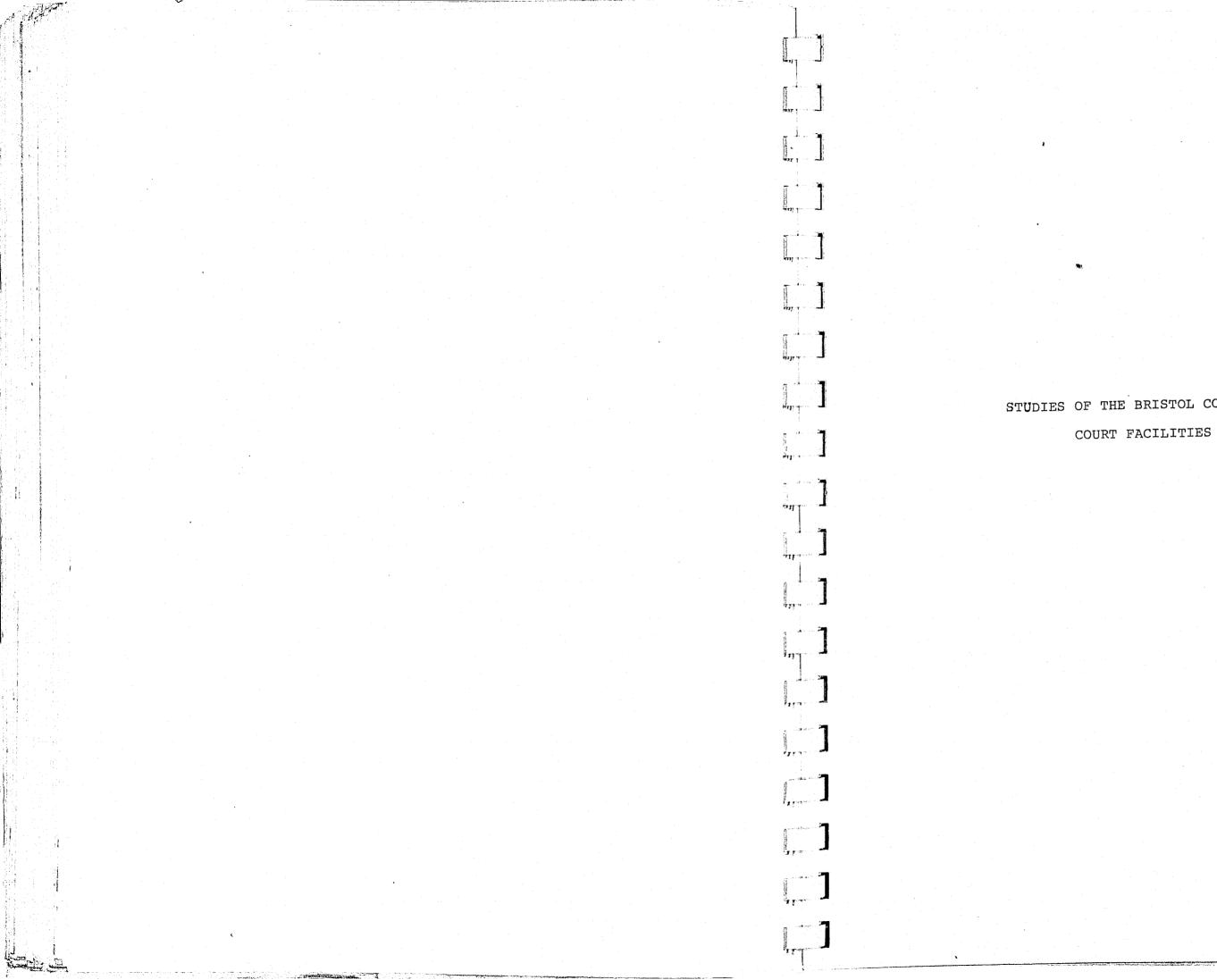
ATTLEBORO DISTRICT SECOND SESSION of low ambient noise. augmented by natural light.

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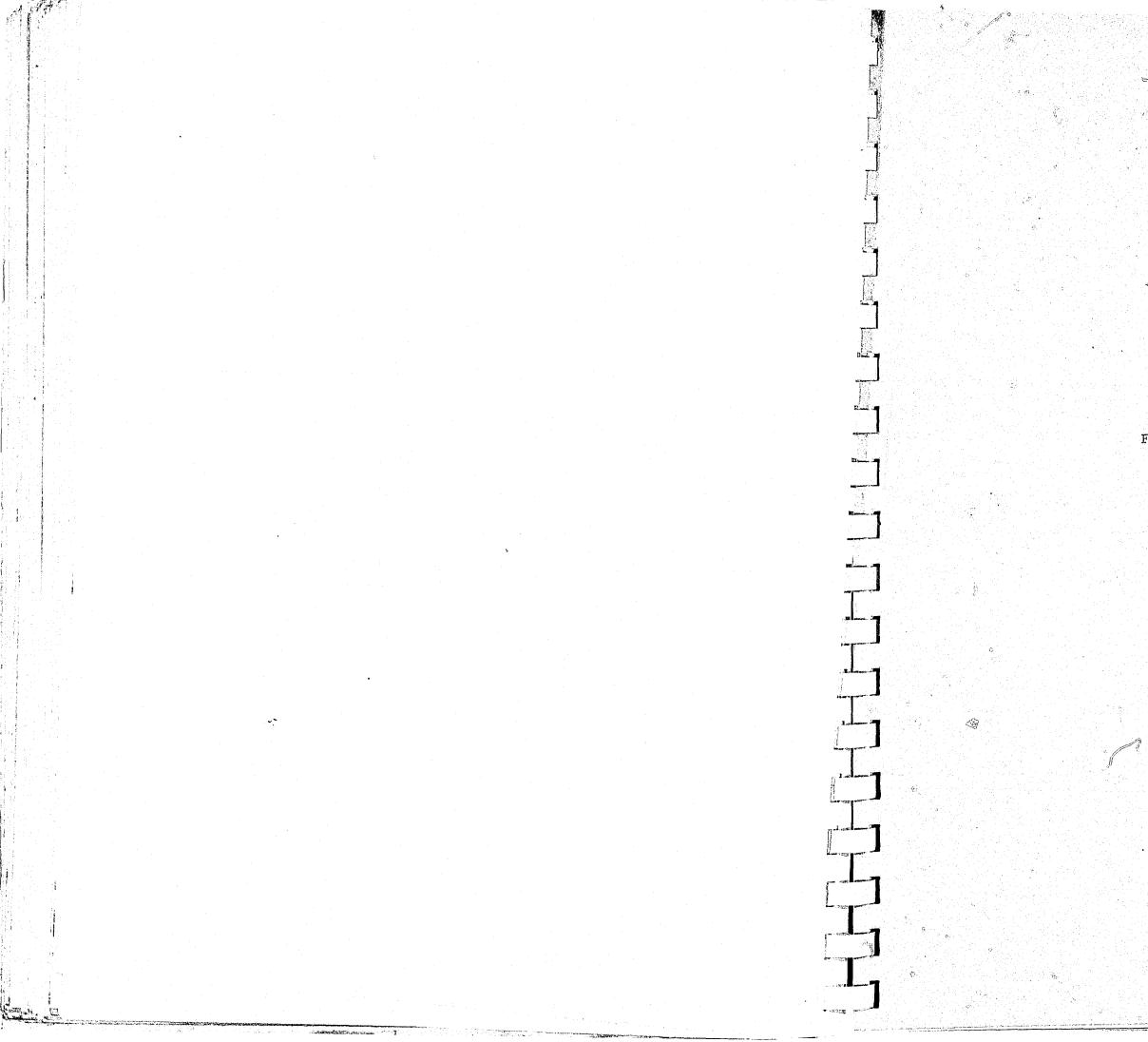
Acoustics The main sources of ambient noise are traffic noise and hallway noise. The room is air conditioned, but the system is remarkably quiet. The room is quite reverberant, however, and this tends to negate the benefits Lighting The room is lit with five hanging indirect/direct

fluorescent fixtures, each fixture containing four 4' tubes. The light distribution is uneven, fading toward the sides of the room. The fluorescent lighting is considerably

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STUDIES OF THE BRISTOL COUNTY DISTRICT



FOURTH DISTRICT COURT OF BRISTOL (ATTLEBORO)

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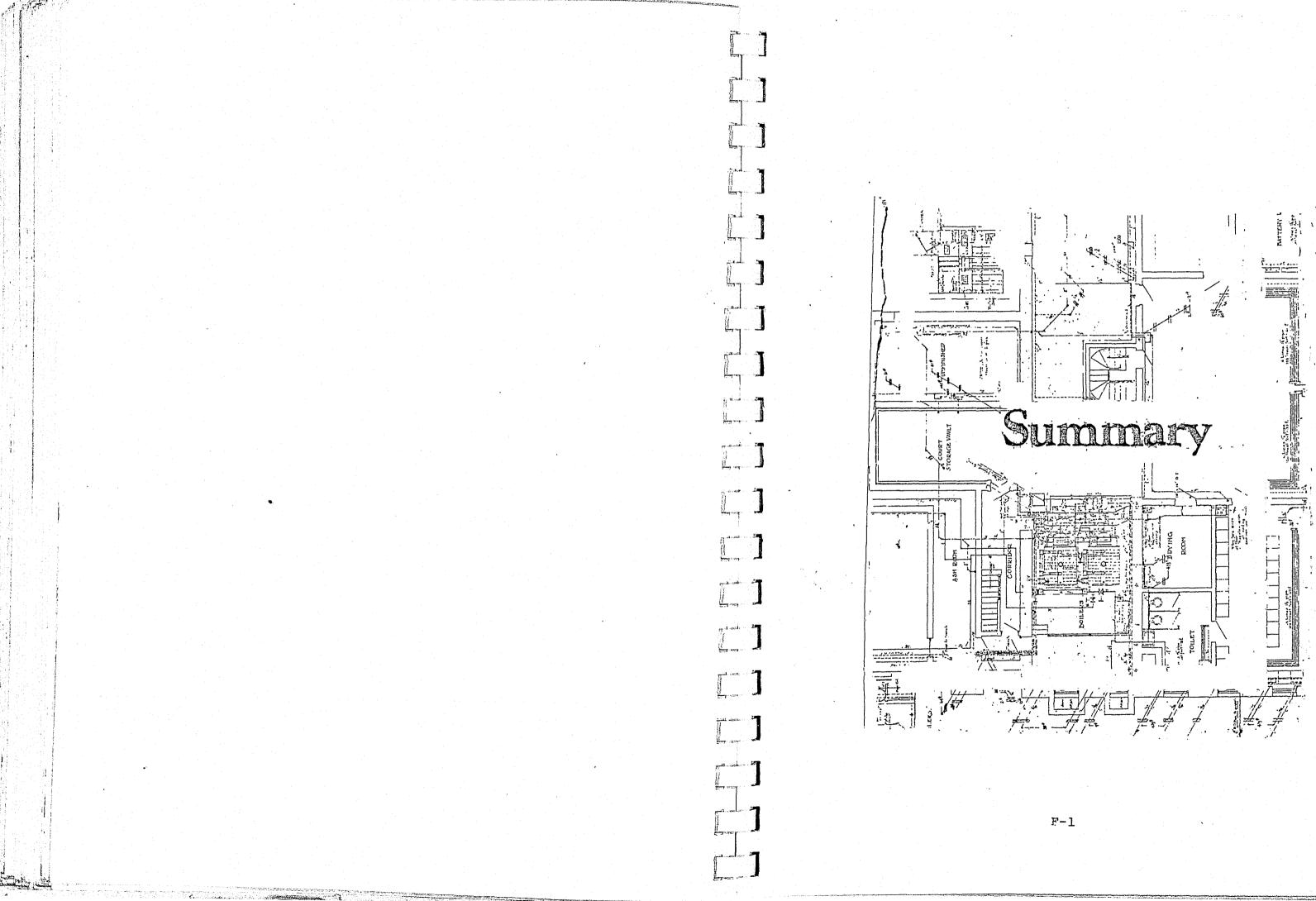
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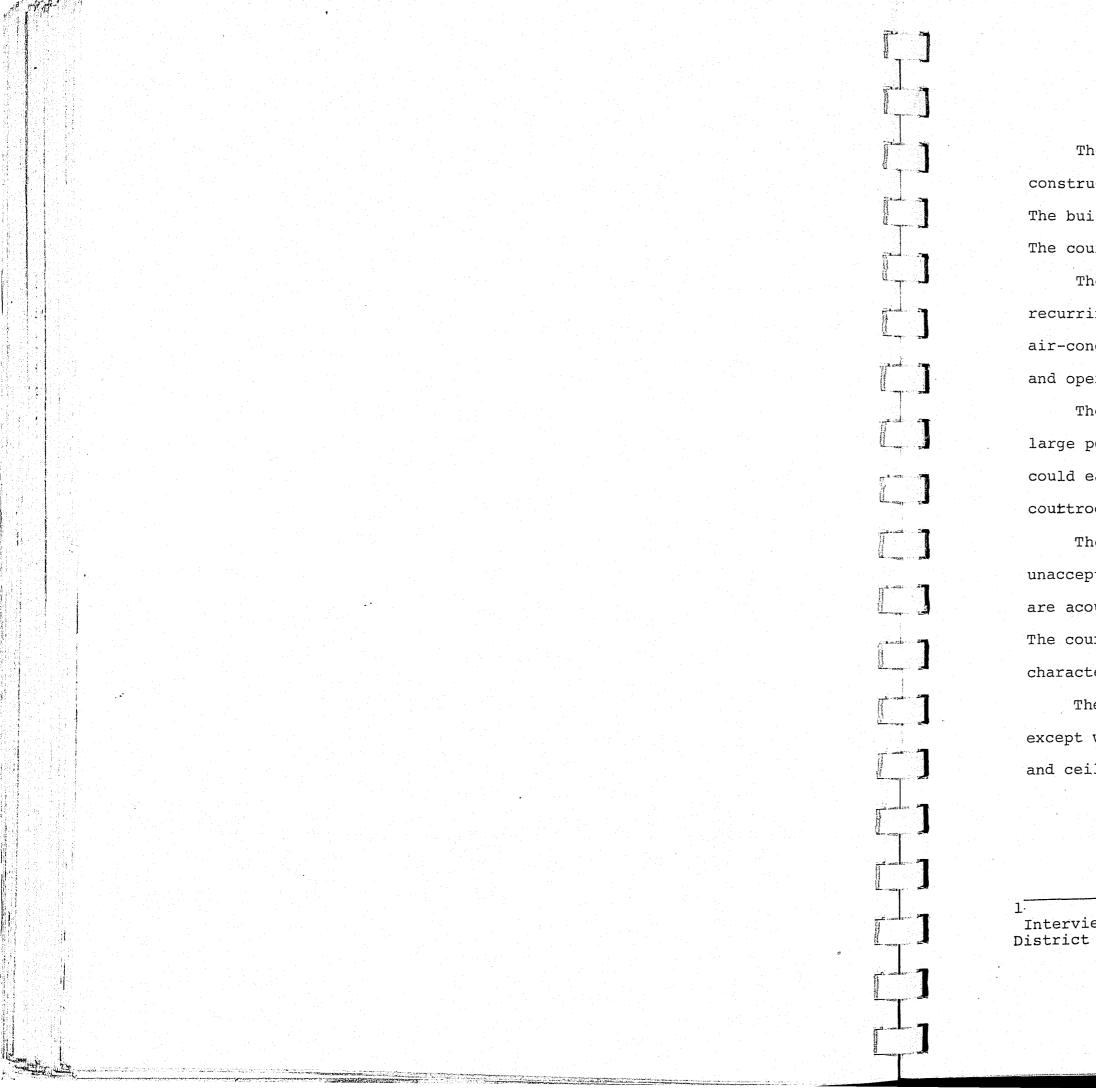
· • CONTENTS SUMMARY BUILDING, ENVIRON Photograph Architecture Community Se Transpor Courthouse F Structure Operating ar n1, FLOOR LAYOUTS ROOMS COURTROOM RELATI ×. TECHNICAL INFORM . Fach أسما

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couttroom space.

The courtrooms are unacceptable due to their reverberant characteristics.

and ceilings.

District Courthouse.

The Attleboro District Courthouse was originally constructed in 1910, and an addition was made in 1971-72. The building is shared by the District and Probate Courts. The court is in fair overall condition.

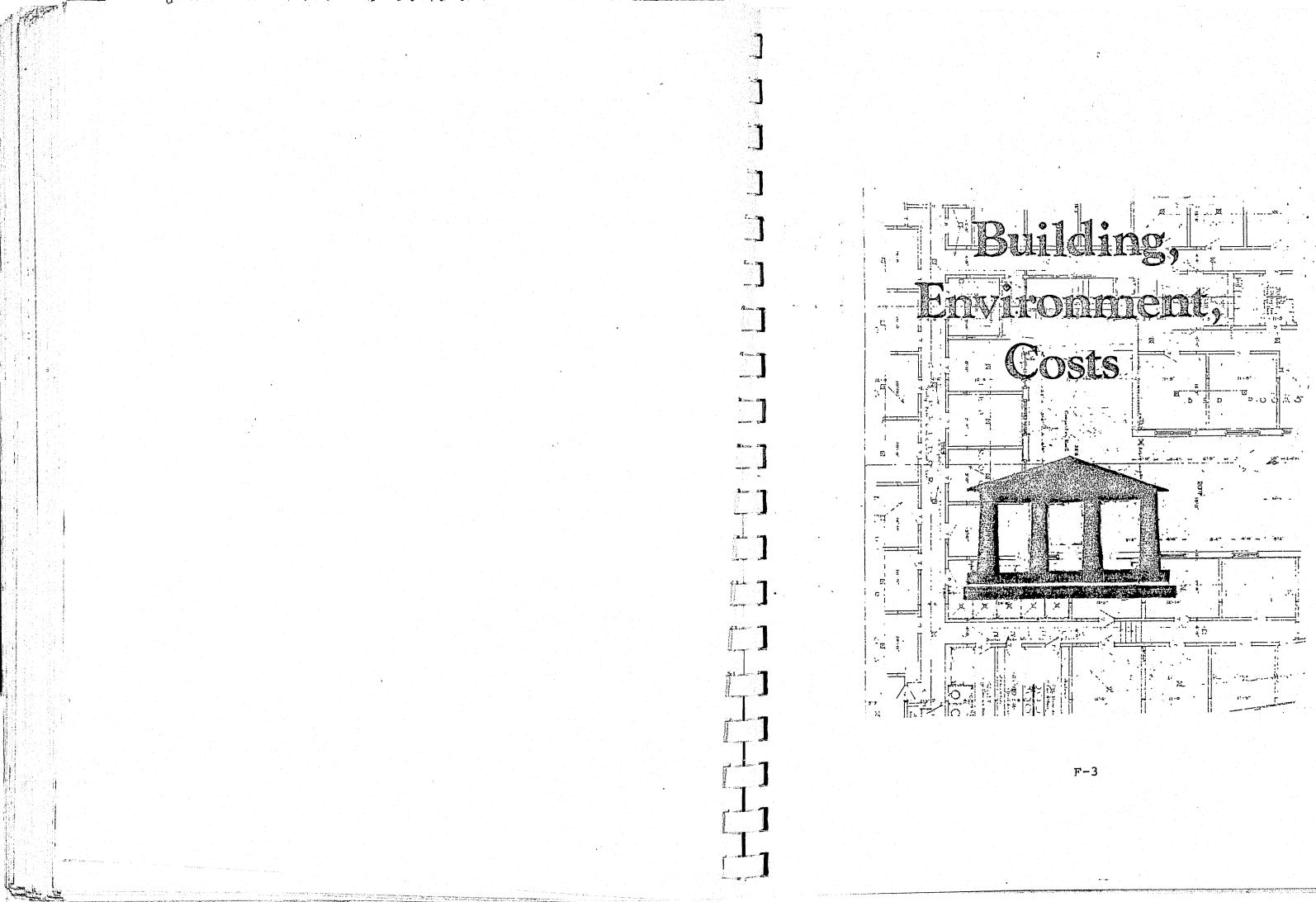
The building is structurally sound except for a recurring roof leakage problem. The building systems (heating, air-conditioning, plumbing and electrical) are adequate

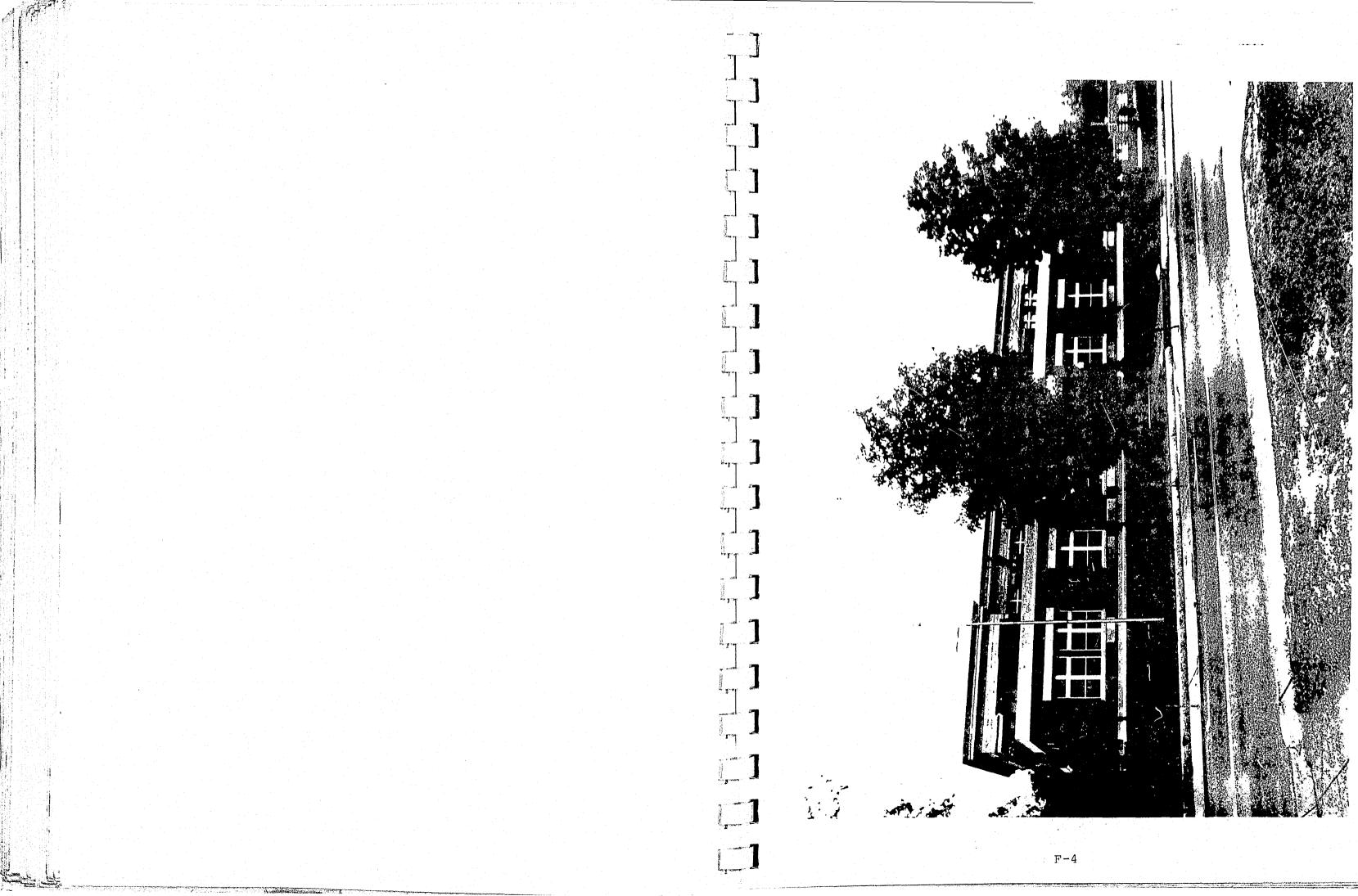
The court has ample space, due to the addition. A large portion of the basement is currently not used, but could easily be remodelled into office , storage or

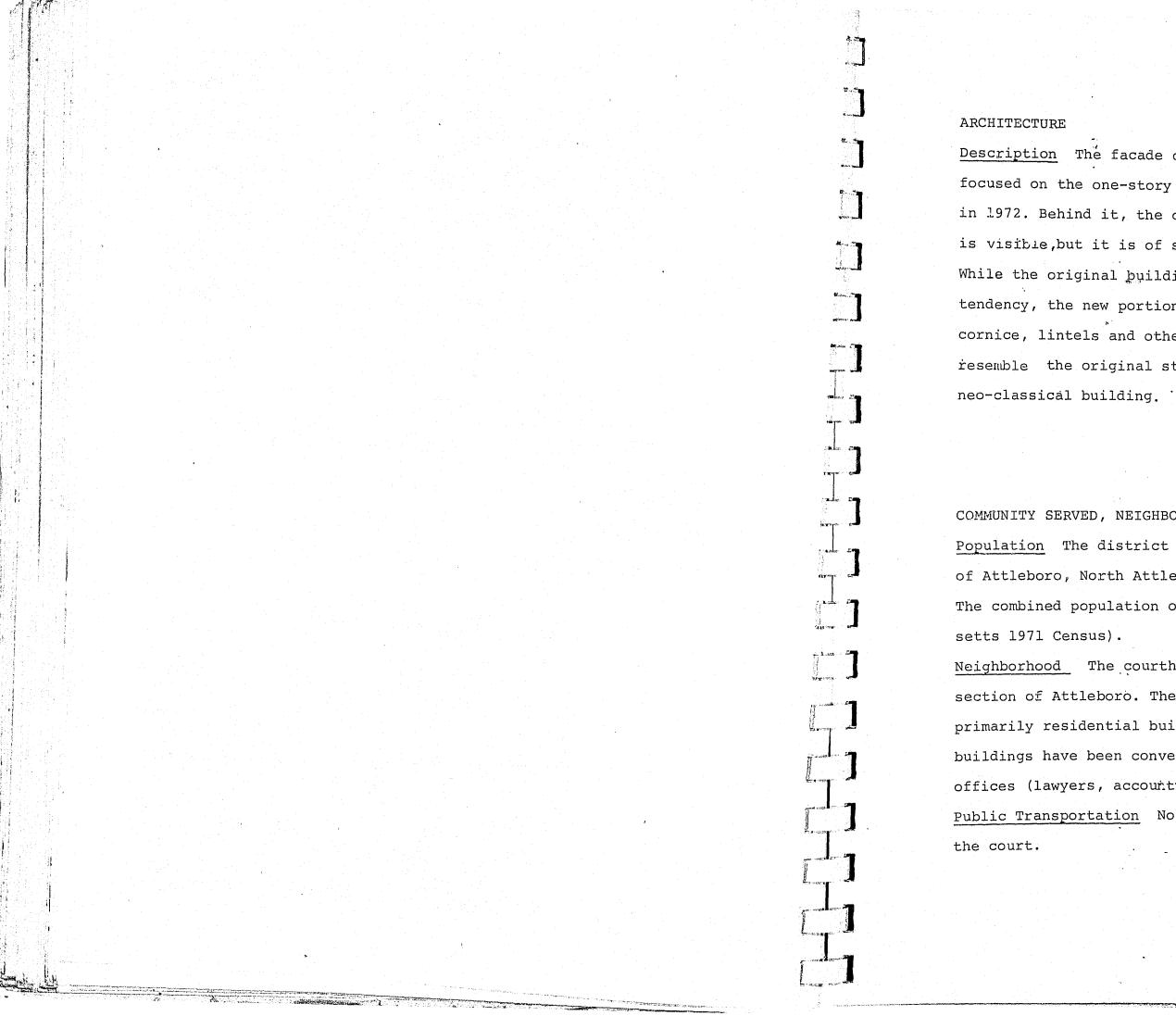
The lighting levels are generally substandard with completely unacceptable levels in the 1st session courtroom. Many rooms are acoustically unacceptable due to excessive noise levels.

The finish materials are generally in very good condition except where roof leakage has resulted in damage to the walls

Interview with Mr. Wilfred Gurn, Custodian, Attleboro







<u>Description</u> The facade of the courthouse is primarily focused on the one-story addition which was completed in 1972. Behind it, the original two-story structure is visible, but it is of secondary visual importance. While the original building has a certain classical tendency, the new portion is decidedly featureless. The cornice, lintels and other elements only faintly resemble the original structure , which is a red brick neo-classical building.

COMMUNITY SERVED, NEIGHBORHOOD, TRANSPORTATION <u>Population</u> The district court serves the communities of Attleboro, North Attleboro, Mansfield and Norton. The combined population of these areas is 66,612 (Massachu-

<u>Neighborhood</u> The courthouse lies just outside the business section of Attleboro. The immediate surroundings are primarily residential buildings, although many of these buildings have been converted for such used as professional offices (lawyers, accountants, etc.) and others.

Public Transportation No local public transportation serves

Parking There are 43 parking spaces directly behind the courthouse, 20 of which are marked "reserved" for court personnel. COURTHOUSE FUNCTIONS Schedule of Operation The courthouse is open from 8:30A.M. to 4 P.M. Monday through Friday, and from 8:30 A.M. to 12 Noon on Saturday. The court schedule follows. Criminal cases Main Ctrm. : M-S Civil М Small Claims Supplmentary Process: W : Th Summary Process Juvenile : Т Juvenile Ctrm. The Juvenile Courtroom is also used as a Probate Courtroom on a regular basis. Space for Non- Court Personnel There are no non-court personnel located in the building. Security One court officer is employed by the court. The prisoners are transported by the court officer in his private car. Public Address System There is no public address system in the building. Tape Recording The court has no facilities for tape recording sessions. Visual Aids The court does not provide any visual aids. Use of Graphics There is no directory in the building. Many rooms, but not all, are labeled. Some labels are partially worn off and are difficult to read. In many cases the labels are dark figures on a dark background, which . are difficult to read.

floor. STRUCTURE Gurn, Custodian. is in good condition.

<u>Rest Rooms</u> Public rest rooms are located in the basement. A sign -- visible from one direction only -- in the main hallway indicates their location. The rest rooms are not particularly convenient to either courtroom; this is especially the case with the juvenile session on the second

Qualitative comments contained, except where noted, in this section (STRUCTURE) were obtained from Mr. Wilfred

Structural System The old building is constructed of masonry bearing with steel and concrete floors, and wood roof framing. The addition has masonry bearing walls, and open web steel joists with poured cement on steel decking. Roof leaks in both portions of the building have resulted in interior damage (ceilings, walls, etc.)

<u>Air Conditioning</u> The addition to the building is air conditioned, with room units. The juvenile courtroom has a central air conditioning unit. A couple of units have leakage problems; otherwise the system is in good condition. <u>Heating</u> Heating in the old building is a fuel-oil driven system; the addition has an electric system in the same room units as the air conditioning system. The heating system is in good condition.

<u>Plumbing</u> The plumbing is adequate and in good condition. <u>Electrical System</u> The electrical system has an adequate capacity and is in good condition.

Fire Protection and Detection No fire detection systems are used in the building. It does, however, have batterypowered emergency safety lighting. Fire extinguishers are prominent and well-placed. There are two continuous paths of egress from the basement, three from the first floor, and one from the second floor. Exit graphics are

adequate.

Storage Our researchers noted that the vault space for the Clerk is very small. Other space (non fire-proof) is adequate. The vault is inconveniently located in the basement. Space for the probation department is adequate.

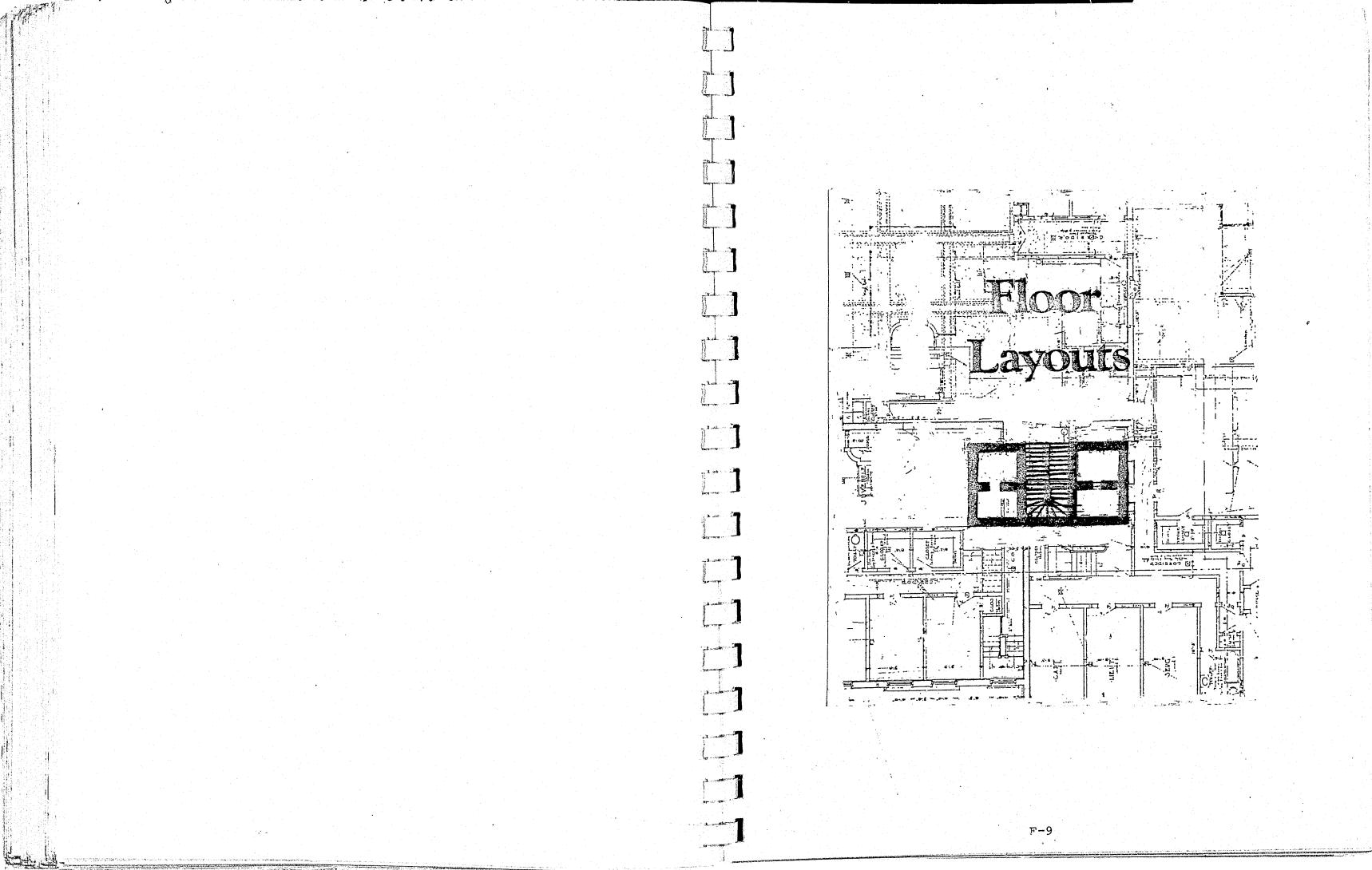
OPERATING AND MAINTENANCE COSTS The following information on costs was obtained from the Bureau of Accounting of the Commonwealth of Massachusetts. These are actual costs for the year 1973. Light, Heat,

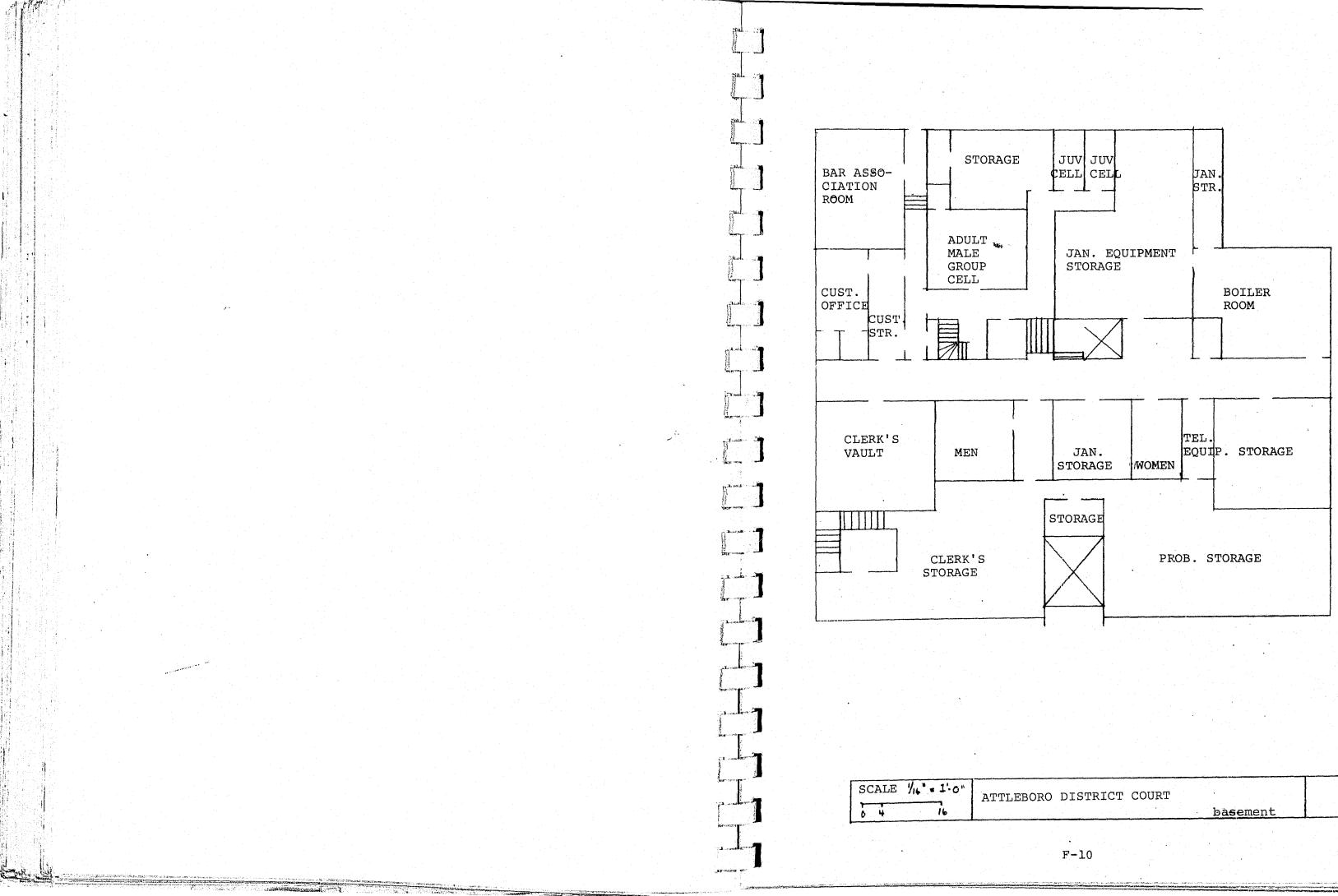
& Power General Maintenance & Repair Fuel Oil Water

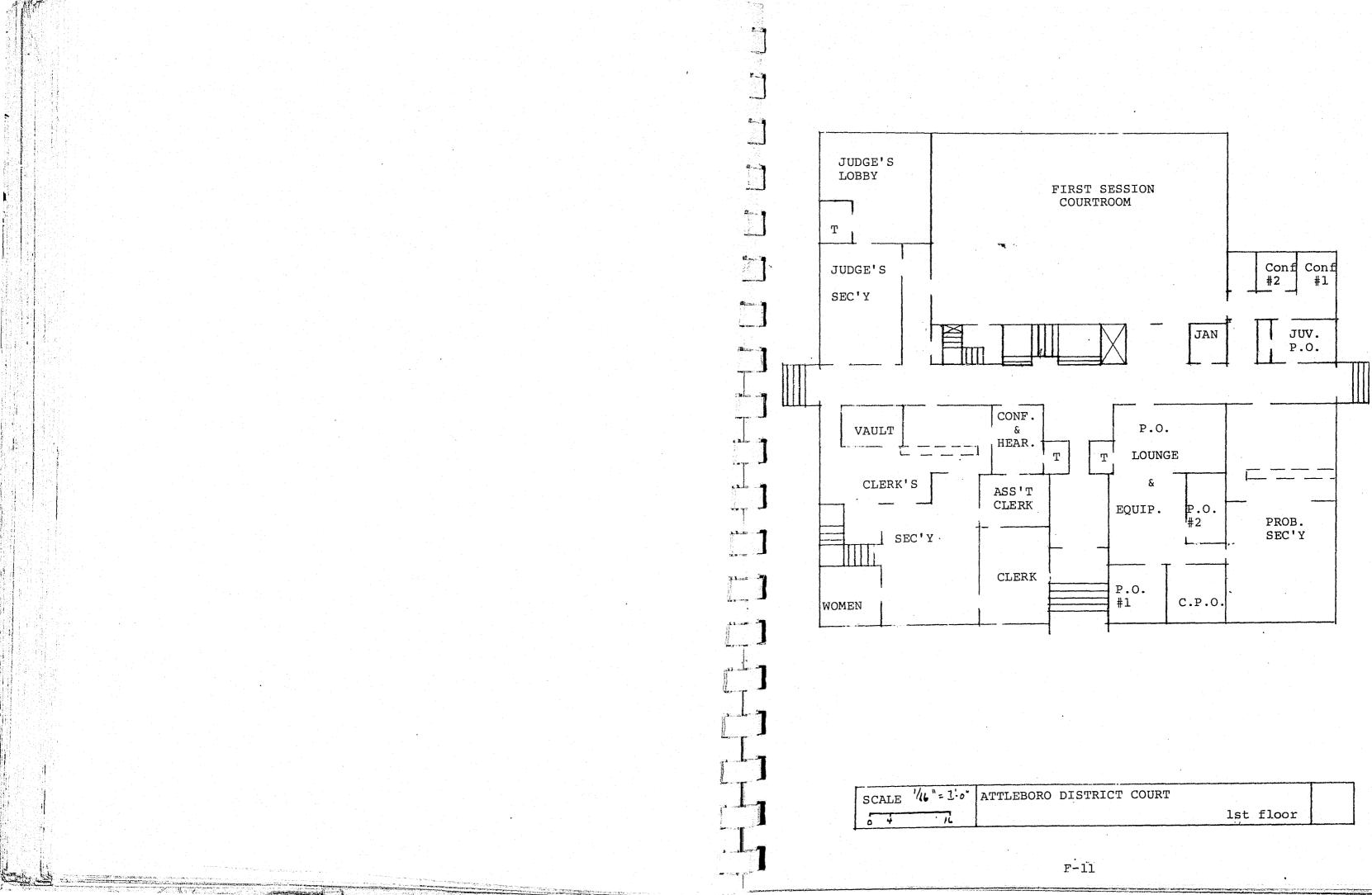
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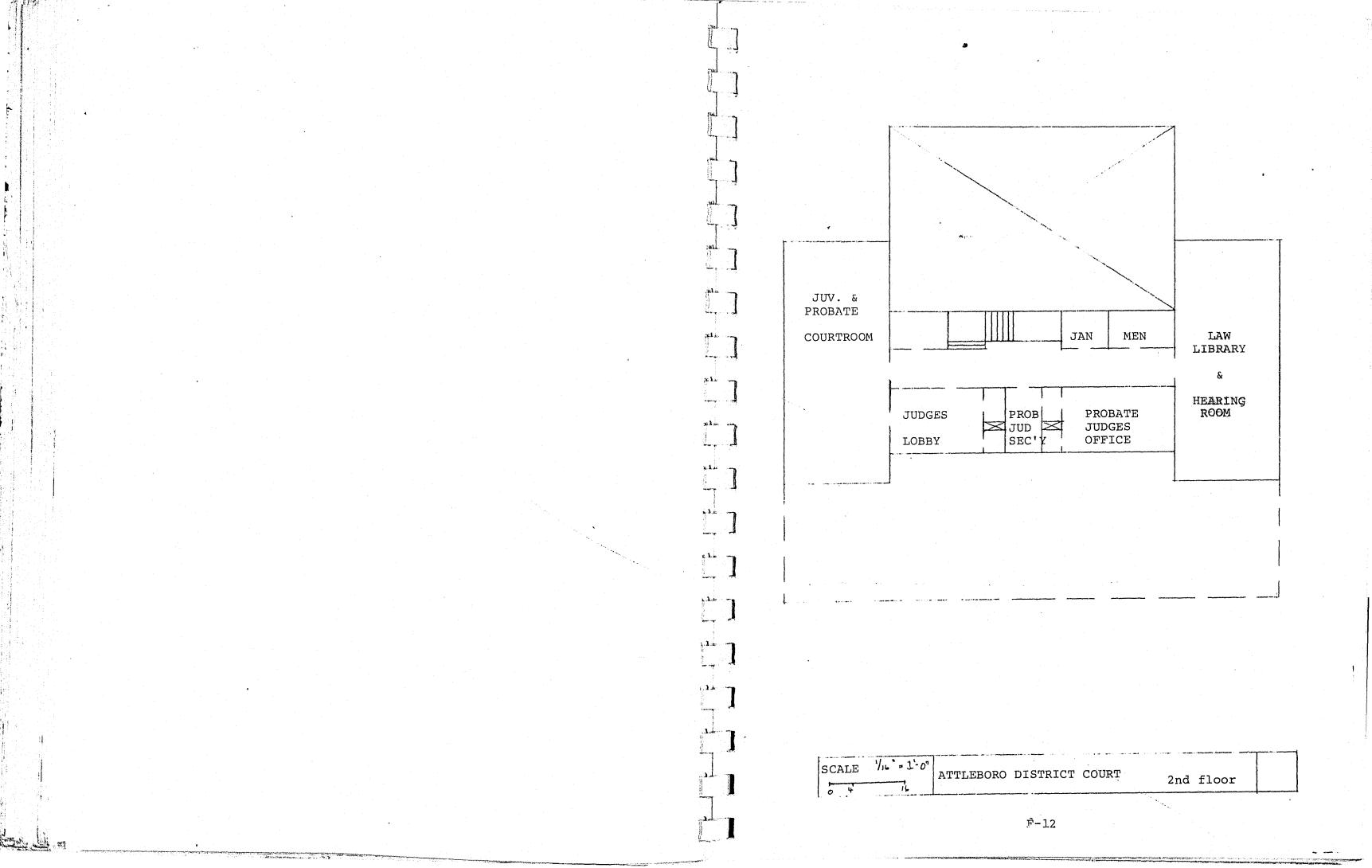
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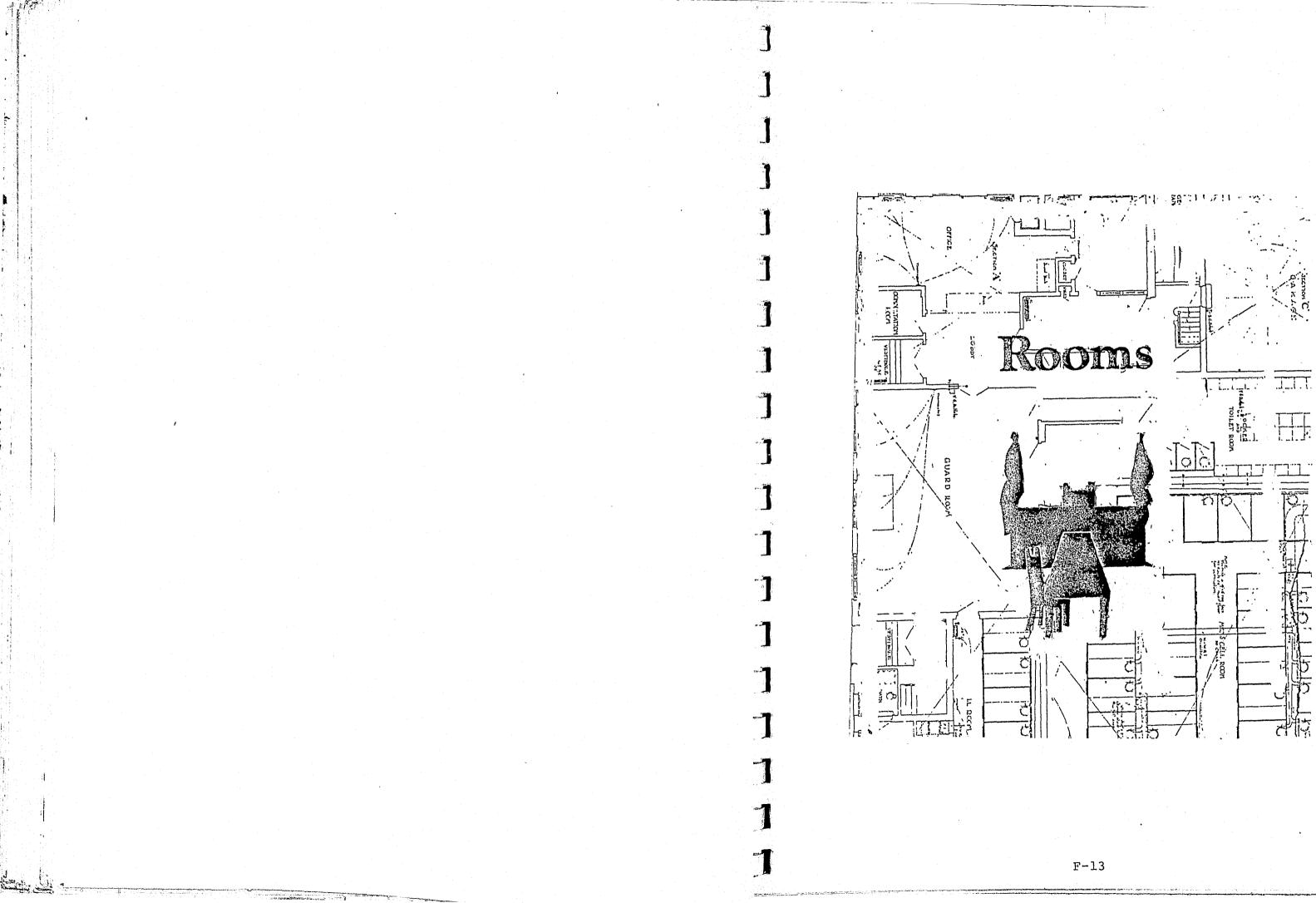
\$ 5,763.45 2,386.51 2,515.80 38.40











Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page, (square footage, type of access, finish, acoustics, etc.)

Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage.

Other areas such as closets, restrooms, elevators and stairways are not surveyed at all.

Definitions

AREA Total floor area including work space, circulation space, and . storage in square feet.

ACCESS The degree to which public entry into a room is restricted.

| | Symbol | Explanation |
|------------|-----------|--|
| | Pub | Public: Access is unrestricted to general public. |
| | Prv | Private: Access is partially restricted by means of doors, counters, or graphics. |
| | Sec | Secure: Access is restricted by guard, receptionist, or locked doors. |
| NUM and | BER OF US | ERS The estimated seating capacity of a room for users rs, based upon current furnishing. |
| PIN: | ISH | |

Materials (Mat);

Frejizza Codes

| g - glazed AP - t - textured AT - BC - C - | Asbéstos Tile Acoustic Plaster Acoustic Tile Brick Bookcase Carpet Concrete Block | CRT - CT - G - M - P - | Cork Ceramic Tile Concrete Glass Metal Plaster Paper | SA - T - V - W - | Stone Sound Absorbing Terrazo Vinyl Wood Wood Paneling |
|---|---|------------------------------------|--|---------------------------|---|
| Condition (Condtn): | • | | | | |
| Rating Exp | planation | | | | |
| Good Conditio | on of surface show | s no s | sign of damage | | ntinued this |

Preventive maintenance is sufficient to maintain this condition. Fair Condition of surface indicates some damage. Small

air Condition of surface indicates some damage. Small scale repairs and corrective maintenance are necessary to retard deterioration of condition.

Poor Condition of surface indicates severe damage. Large scale corrective maintenance is recessary to prevent complete loss of the finish. *Fone:* A subjective evaluation of the color tone of the room based on the following rating scale:

Eright and Cheerful Drab and Austere

Percent (%) of Windows: The approximate percentage of the total wall area of the room which is composed of glass.

Height: The floor to ceiling height.

ACOUSTICS The acceptability of the acoustics of each room is based upon measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter echo and reverberation time).

Rating Explanation

- Acc Acceptable: Noise level and reverberation time are within standards for each room function; flutter echo is absent or slight.
- Un N Unacceptable: Noise level exceeds standard or interferes with room function.
- Un R Unacceptable: Noticeable flutter echo or excessive reverberation time.
- Un NR Unacceptable: Both Un N and Un R

LIGHTING

Type: Refers to type of light fixtures in the room.

I - Incandescent I/F - Combination incandescent/ F - Fluorescent fluorescent

Level: Ratings of the acceptability of light in the room are based upon comparisons between the measured light levels (in footrandles) and the accepted standards of light requirements for the functions performed in the room.*

| Rating | Explanation |
|--------------|--|
| Good | Light levels for all functions of the room exceed or equal accepted standards. |
| Fair | Light levels for some functions are standard; others are substandard. |
| Poor | Light levels for all functions are substandard. |
| AIR CONDITIC | NING The symbols indicate the type of air , if present, in the room. |
| Symbol | Explanation |
| N | No ais conditioning present. |
| C | Central air conditioning. |
| W | Window air conditioning units. |

R Room air-conditioning units

- (n)W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W.
- * Refer to technical information section for further explanation

FINISH AREA # of WALLS FLOORS CEILINGS LIGHTING (sq. ACC-US-ACOUto f AIR ROOM ft.) ESS MatCondtn Tone Wind Mat Condtn ERS STICS Type Level MatCondtn Ht COND BASEMENT 1015 <u>Clerk's Storage</u> SEC 255 PUB Janitor's Storage

| Storage | 575 | PUB | | | | | | .* | | | \$ | | e transfe | · | | e de la composición d |
|-----------------------|----------|-----|------|----|------|----|-------|----------|------|----|--|-----|-----------|-----------------------|--------------|---|
| Probation Storage | 1185 | SEC | | | | | | | | | | | • | | na an an gai | |
| Felephone Equip. | 110 | PUB | | | | | | | | | | | | an an an Taonachta | | |
| Storage | 95 | PUB | | | | | | | | | | | | | | |
| Boiler Room | 640 | PUB | | | | | | | | | | | | | | |
| Janitor's Storage | 145 | PUB | | | • | | | | | | en operationen en er br>En er en e En er en e | | | | | |
| Jan. Equip. Storage | 870 | PUB | | | | | | | | | | | | | | |
| Clerk's Vault | 530 | SEC | | | | | | | | | | | | | • | |
| Juvenile Cell #1 | 85 | SEC | 4 | pР | FAIR | 3 | 5 | СТ | GOOD | pP | FAIR | 17' | UnR | I | POOR | Ň |
| Juvenile Cell. #2 | 85 | SEC | 4, - | pР | FAIR | .3 | 5 | СТ | GOOD | pP | FAIR | 17' | UnR | I_ | POOR | N |
| Storage | 295 | SEC | | | | | | | | - | | 59 | | | | |
| Cell(male adult,Group | 335 | SEC | 10 | pP | FAIR | 3 | 0 | СТ | FAIR | pP | FAIR | 11' | UnR | I | POOR | N |
| Bar Association Room | 455 | PRV | 10 | pP | GOOD | 3 | 5 | CT/ | GOOD | AT | GOOD | 8' | ACC | I | POOR | N |
| | . | | | | | | | - | | | | | : | • | | اسین میکانور |
| | | | | | | | • • • | و عطور ب | | | · · · · | | • | • | | • |

| 2 | \mathbf{c} | | ٠ | | | | | |
|---|--------------|---|---|---|---|---|---|---|
| | C | Γ | 1 | t | e | ſ | 1 | a |

Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page, (square footage, type of access, finish, acoustics, etc.)

Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage.

Other areas such as closets, restrooms, elevators and stairways are not surveyed at all.

Definitions

Total floor area including work space, circulation space, and AREA storage in square feet.

ACCESS The degree to which public entry into a room is restricted. Symbol Explanation

| Pub | Public: Access is unrestricted to general public. |
|--------------------------------|---|
| Prv | Private: Access is partially restricted by means of doors, counters, or graphics. |
| Sec | Secure: Access is restricted by guard, receptionist, or locked doors. |
| NUMBER OF USE and spectator | RS The estimated seating capacity of a room for users s, based upon current furnishing. |

FINISH Miteriala (Mat):

Prefixed Codes

| <pre>P - painted ABT - Asbestos Tile g - glazed AP - Acoustic Plaster t - textured AT - Acoustic Tile B - Brick BC - Bookcase C - Carpet CB - Concrete Block Condition (Condtn):</pre> | CRT - Ceramic Tile CT - Concreté G - Glass M - Metal P - Plaster | S - Stone SA - Sound Absorbing T - Terrazzo V - Vinyl W - Wood Paneling |
|--|--|---|
|--|--|---|

Rating Explanation

- Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition. Fair
- Condition of surface indicates some damage. Small scale repairs and corrective maintenance are necessary to retard deterioration of condition.
- Poor Condition of surface indicates severe damage. Large scale corrective maintenance is recessary to prevent complete loss of the finish.

- Tons: A subjective evaluation of the color tone of the room based on the following rating scale: Bright and Cheerful Drab and Austere -2 Percent (%) of Windows: The approximate percentage of the total wall area of the room which is composed of glass. Height: The floor to ceiling height. ACOUSTICS The acceptability of the acoustics of each room is based upon measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter echo and reverberation time). Rating Explanation Acceptable: Noise level and reverberation time are within standards for each room function; flutter echo is absent or slight. Acc Unacceptable: Noise level exceeds standard or inter-feres with room function. Un N
 - Unacceptable: Noticeable flutter echo or excessive Un R reverberation time.

Un NR Unacceptable: Both Un N and Un R

LIGHTING

N

1

17

Type: Refers to type of light fixtures in the room.

| I - Incandescent F - Fluorescent | I/F - Combination | fluorescent |
|-------------------------------------|---|-------------|
| | accoptability of light between the measured l cepted standards of lig rmed in the room.* | |

- Rating Explanation Good Light levels for all functions of the room exceed or equal accepted standards. Light levels for some functions are standard; others are substandard. Fair Light levels for all functions are substandard. Poor AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room, Symbol Explanation N No air conditioning present. C
 - Central air conditioning.
 - Window air conditioning units.
 - R Room air-conditioning units

6

(n)₩ Indicates multiple window units, (e.g., 3 window units would be entered as (3) W.

* Refer to technical information section for further explanation

F-15

FINISH AREA # of WALLS FLOORS CEILINGS LIGHTING (sq. ACC-US ACOU-8 of AIR ROOM ft.) ESS MatCondtn Tone Wind Mat ERS Condtn MatCondtn Ht STICS Typd Level COND Custodians' Storage PUB 175 Custodians' Office PUB pР 2 5 pР 1 FAIR W FAIR GOOD 12' ACC POOR N 240 Ι FIRST FLOOR

| | | | | | | | 1 | | F | ļ | | 1 | | | | · · |
|----------------------|------|-------------|-----|------------|------|----|----|---|------|----|-------|-----|-------|---|------|----------|
| Clerk's Sec'y | 1190 | PUB/ PRV | 11 | pР | GOOD | 3 | 5 | v | GOOD | AT | GOOD | 10' | ACC | F | FAIR | W/ 2R |
| Clerk's Vault | 105 | SEC | | | | | | | | | | | | | | |
| Clerk's Office | 280 | SEC | 7 | WP | GOOD | 2 | 10 | с | GOOD | AT | GOOD | 10' | ACC | F | GOOD | 2R |
| Ass't Clerk | 155 | PRV | 4 | WP | GOOD | 2 | 0 | С | GOOD | AT | GOOD | 10' | ACC | F | FAIR | с |
| Clerk's Hearing Rm. | 155 | PRV | 4. | рP | ĠOOD | 3 | 0 | v | GOOD | AT | GOOD. | 10' | UnN | F | GOOD | N |
| Prob.Lounge & Equip. | 660 | PRV | 3 | pP | GOOD | 3. | 0 | С | GOOD | AT | GOOD | 10' | ACC | F | FAIR | R |
| P.O. #1 | 145 | SEC | 3 | WP | GOOD | 2 | 10 | C | GOOD | AT | GOOD | 10' | · ACC | F | FAIR | R |
| P.O. #2 | 110 | SEC | 4 | WP | COOD | 2 | 10 | С | GOOD | AT | GOOD | 10' | ACC | F | FAIR | С |
| C.P.O. | 145 | SEC | .4 | WP | GOOD | 2 | 10 | с | GOOD | AT | GOOD. | 10' | UnN | F | FAIR | R |
| Prob. Sec'y | 1060 | PUB/ PRV | 15 | / WP Pq | GOOD | 2 | 10 | v | GOOD | АТ | GOOD | 10' | ACC | F | FAIR | 5R |
| Juvenile P.O. | 145 | PUB | 4 | pP | GOOD | 2 | 5 | v | GOOD | pP | GOOD | 10' | UnN | F | GOOD | N |
| Conference #1 | 200 | PUB | 6 | pP | GOOD | 2 | 5 | v | GOOD | pp | GOOD | 10' | UnN | I | FAIR | N |
| Conference #2 | 65 | PUB | . 3 | pP | FAIR | 2 | 5 | v | GOOD | рР | GOOD | 10' | UnN | I | POOR | N |

Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page, (square footage, type of access, finish, acoustics, etc.)

Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage.

Other areas such as closets, restrooms, elevators and stairways are not surveyed at all.

Definitions

AREA Total floor area including work space, circulation space, and . storage in square feet. .

ACCESS The degree to which public entry into a room is restricted.

| Symbol | Explanation | |
|-----------------------------|---|---|
| Pub | Public: Access is unrestricted to genera | 1 public. |
| Prv | Private: Access is partially restricted doors, counters, or graphics. | by means of |
| Sec | Secure: Access is restricted by guard, r or locked doors. | eceptionist, |
| UMBER OF US and spectato | ERS The estimated seating capacity of a roo rs, based upon current furnishing. | m for users |
| PINISH Interfala (M | an a | |
| Profixea | Coles | • |
| g - 🤊 lazeŭ | ABT - Asbestos TileCK- CorkAP - Acoustic PlasterCRT - Ceramic Tiled AT '- Acoustic TileCT - Concrete'B - BrickG - GlassBC - BookcaseM - MetalC - Carpet'P - Plaster | S - Stone SA - Sound Absorbing T - Terrazzo V - Vinyl W - Wood |

CB - Concrete Block PR - Paper Condition (Condtn):

Explanation Rating

Condition of surface shows no sign of damage. Continued Good preventive maintenance is sufficient to maintain this condition.

WP - Wood

- Condition of surface indicates some damage. Small scal, repairs and corrective maintenance are necessary to retard deterioration of condition. Fair
- Condition of surface indicates severe damage. Large Poor scale corrective maintenance is racessary to prevent complete loss of the finish.
- Tone: A subjective evaluation of the color tone of the room based on the following rating scale: Drab and Austere Bright and Cheerful 1 Percent (%) of Windows: The approximate percentage of the total wall area of the room which is composed of glass. Height: The floor to ceiling height. ACOUSTICS The acceptability of the acoustics of each room is based upon measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter echo and reverberation time). Explanation Rating Acceptable: Noise level and reverberation time are Acc within standards for each room function; flutter echo is absent or slight. Unacceptable: Noise level exceeds standard or inter-Un N feres with room function. Unacceptable: Notlceable flutter echo or excessive Un R reverberation time. Un NR Unacceptable: Both Un N and Un R LIGHTING Type: Refers to type of light fixtures in the room. I/F - Combination incandescent/ I - Incandescent F - Fluorescent fluorescent Level: Ratings of the acceptability of light in the room are based upon comparisons between the measured light levels (in footcandles) and the accepted standards of light requirements for the functions performed in the room.* Explanation Rating Light levels for all functions of the room exceed or equal accepted standards. Good Light levels for some functions are standard; others are substandard. ig o Fair Light levels for all functions are substandard. Poor AIR CONDITIONING The symbols indicate the type of air Paneling conditioning, if present, in the room. Explanation Symbol No air conditioning present. N Central air conditioning. С Window air conditioning units.
 - Room air-conditioning units R

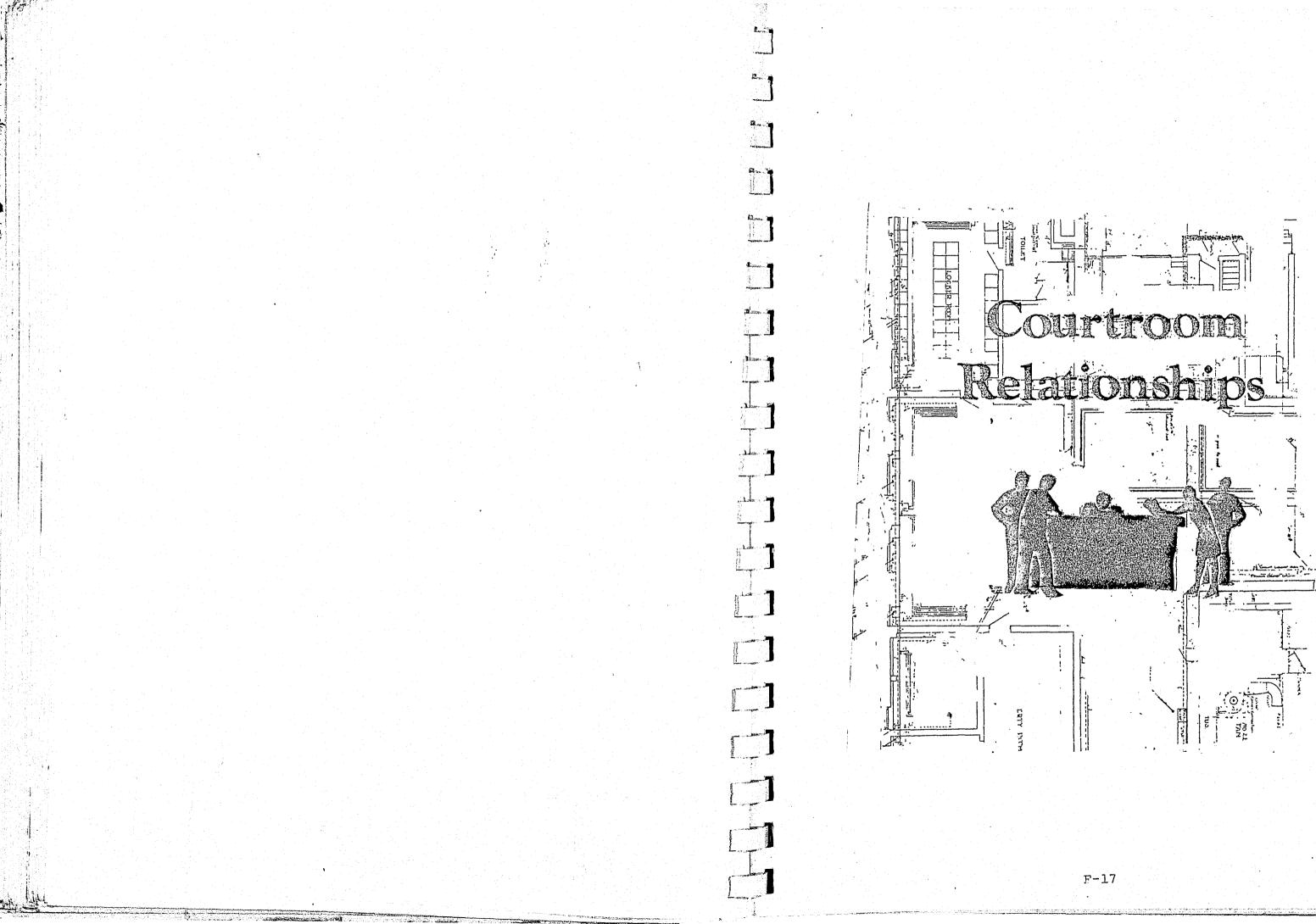
Indicates multiple window units, (e.g., 3 window (n) W units would be entered as (3)W.

* Refer to technical information section for further explanation

| | | | FINISH | | | | | | | | | | | | |
|---------|---------------------------------|---|---|---|--|---|--|--|---|-------------------------------------|--|--|---|---|--|
| AREA | DCC- | | | WALI | ,S | | FI | OORS | | CEILIN | GS | | LIC | HTING | |
| | 1 . | - | Mat | Condtn | Tone | € of Wind | Mat | Condtn | Mat | Condtn | Ht | λCOU- STICS | Туре | Level | AIR |
| 2280 | PUB | | pP/ | | 3 | 25 | V | GOOD | Pα | | | | | | N |
| ct) 505 | SEC | 11 | WP | GOOD | 2 | 5 | С | GOOD | AT | FAIR. | 10' | | न | | 2R. |
| 385 | PRV | 5 | WP/ BC | GOOD | 2 | _5_ | с | GOOD | AT | GOOD | 10' | ACC | · F | FAIR | W |
| | (sq. ft.) 2280 Lct)505 | (sq. ACC- ft.) ESS 2280 PUB Let) 505 SEC | (sq. ACC- ft.) ESS ERS 2280 PUB 44 Lct) 505 SEC 11 | (sq. ACC-US-ERS Mat) ft.) ESS ERS Mat 2280 PUB 44 S Let) 505 SEC 11 WP | (sq. ACC- ft.) ESS ERS MatCondtn 2280 PUB 44 S FAIR Lct) 505 SEC 11 WP GOOD | (sq. ACC- ft.) ESS ERS MatCondtn Tone 2280 PUB 44 S FAIR 3 Lct) 505 SEC 11 WP GOOD 2 | AREA (sq. ACC- ft.)# of US- ESSWALLSMatCondtnTone Wind2280PUB44PP/ SFAIR32280SEC11WPGOOD22280SEC11 | AREA (sq. ft.)# of US- US- ERSWALLSFI2280PUB44PP/ SFAIR325VLct)505SEC11WPGOOD25C | AREA (sq. ft.)# of US- ESSWALLSFLOORSg. ft.)ACC- ESSWS- ERSMatCondtn Tone WindMat% of WindMatCondtn2280PUB44SFAIR325VGOOD2280PUB44SFAIR325VGOODCt) 505SEC11WPGOOD25CGOOD | AREA (sq. ft.)# of US- | AREA (sq. ft.)# of US- US- ERSWALLSFLOORSCEILIN2280PUB44SFAIR325VGOODpPGOOD2280PUB44SFAIR325VGOODpPGOOD1ct)505SEC11WPGOOD25CGOODATFAIR. | AREA (sq. ft.)# of US- ESSWALLSFLOORSCEILINGSMatCondtnTone WindCondtnMatCondtnHt2280PUB44SFAIR325VGOODpPGOOD20'Lct) 505SEC11WPGOOD25CGOODATFAIR.10' | AREA (sq. ft.)# of US- ESSWALLSFLOORSCEILINGSACC- ft.)MatCondtn ESSMatCondtn Tone WindMat% of WindMatACOU- STICS2280PUB44PP/ SFAIR325VGOOD PPPPGOOD20'UnNRLct) 505SEC11WPGOOD25CGOOD ATATFAIR.10'UnN | AREA (sq. ft.) # of NCC- ESS WALLS FLOORS CEILINGS LIC 2280 PUB 44 S FAIR 3 25 V GOOD pP GOOD 20' UDNR I 1ct) 505 SEC 11 WP GOOD 2 5 C GOOD AT FAIR 10' UNN F | AREA (sq. ft.) # of NCC- ESS WALLS FLOORS CEILINGS LIGHTING 2280 PUB 44 PP/ S Mat Condtn Tone Wind Mat Condtn Mat Condtn Ht STICS Type Level 2280 PUB 44 S FAIR 3 25 V GOOD pP GOOD 20' UnNR I POOR Lct) 505 SEC 11 WP GOOD 2 5 C GOOD AT FAIR 10' UnN F FAIR 385 PRV 5 PC COOD 2 5 C GOOD AT FAIR 10' UnN F FAIR |

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|-----------------------|------|-----------|------------|-----------------|----------|----|--------|---|------|----------|-------|-----|-----|------------|---------|-----------|
| SECOND FLOOR | | | | | | | | | | | | | | | | |
| Juv.&Prob. Courtroom | 1100 | PUB | 60 | pР | POOR | 3 | 30 | v | GÓOD | pР | FAIR | 15' | UnR | F | FAIR | R |
| udge's Lobby | 280 | SEC | 4 | pР | GOOD | 3 | 15 | v | GOOƊ | pP | GOOD | 12' | UnR | F | GOOD | <u>N_</u> |
| rob. Judges& Sec'y | 110 | PRV | 2 | WP | GOOD | 2 | 10 | W | FAIR | ÀT | GOOD | 10' | ACC | F | GOOD | W_ |
| Probate Judges Office | 235 | SEC | 6 | WP | GOOD | 2 | 10 | W | FAIR | AT | GOOD | 10' | UnN | F | GOOD | W |
| ibrary & Hearing Rm. | 1100 | PUB | 23 | | GOOD | 2. | 40 | v | GOOD | AT | POOR | 12' | ACC | I | POOR | N |
| | | | | - pP | | | | | | | | | | | | |
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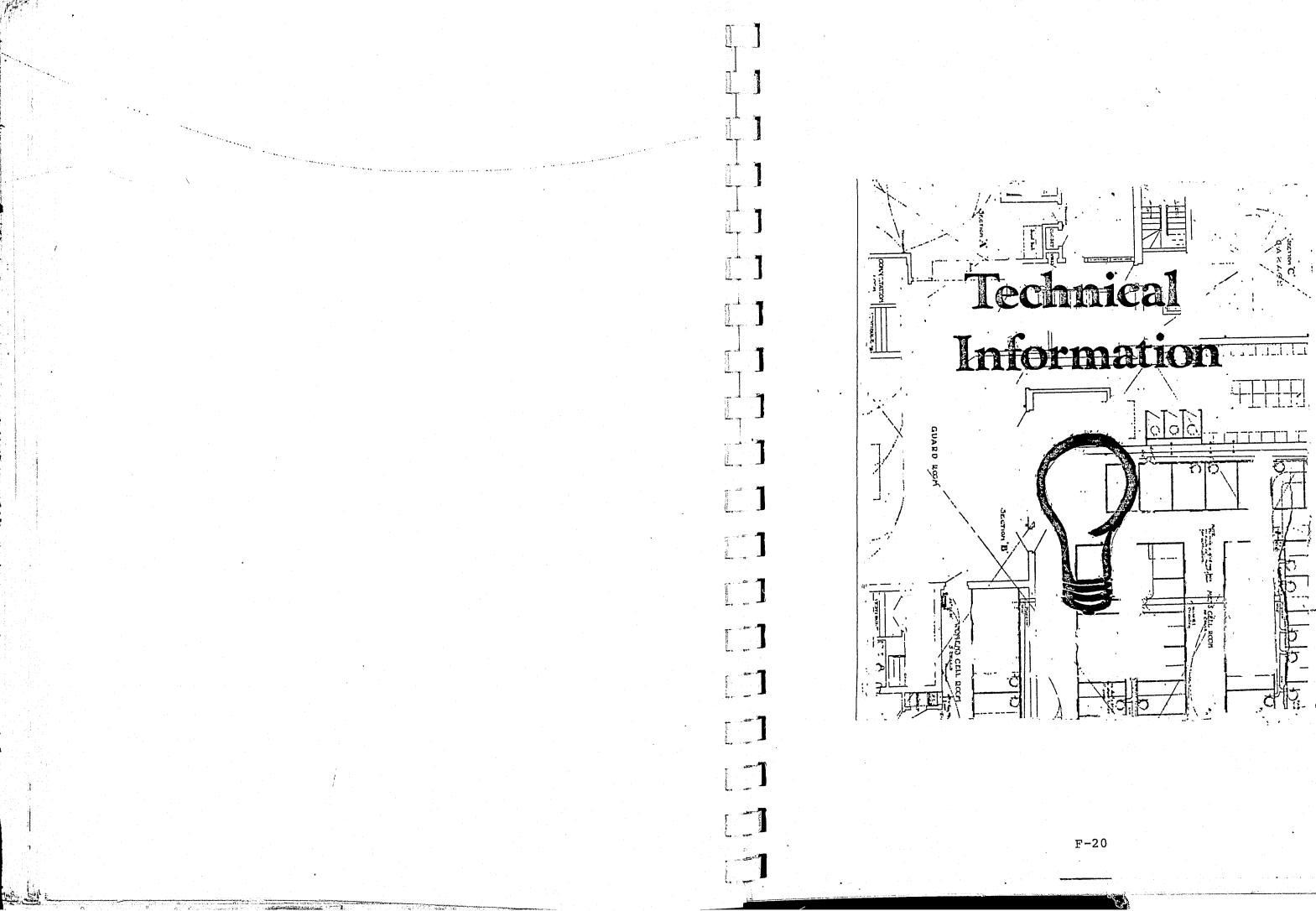


JUDGE Can the Judge see the ent Can the Judge hear the W Can the Judge hear the A Is the Judge's lobby adja courtroom? Is there a bathroom in th Is the Judge's lobby priv Serve Lag Is the Judge's lobby secu JURY 1----What size jury can the co accomodate? Approximately how far are public? _____ Approximately how far are litigants? A Second Can the Jurors see Witnes face? time construction Can the Jurors see the Ju 1..... Can the Jurors see the Pr Defense Attorney?* Are Jurors on same side of Witnesses? Can the Jurors hear Attor WITNESSES Can Witnesses see Judge & Does the Witness Box have ATTORNEYS Can Attorneys see the Jur Can Attorneys hear the Ju * When Attorneys are in their usual locations

| | | فبجياني فالشنجية التكتبني كالوانا تتخلب كالتاب | وتكاليه ومستعدية فيجوره المشتوفين ومترمي ويبور الكاليتين |
|--------------------|-----------------|--|--|
| | Main Session | Juv. & Probate | |
| | | | |
| tire courtroom? | Yes | Yes | |
| itnesses clearly? | Yes | Yes | |
| ttorneys clearly?* | Yes | No | |
| acent to the | No | Yes | |
| he Judge's lobby? | Yes | Yes | |
| vate? | Yes | Yes | |
| ure? | Yes | Yes | |
| | | | |
| ourtroom | No jury 1 | NO jury | |
| e jurors from | | | |
| e jurors from | | | |
| sses at full | | | |
| udge at full face? | | | |
| rosecutor & | | | |
| of Judge as | | • | |
| rneys clearly?* | | | |
| | | | |
| & Attorneys? | Yes | Yes | |
| e a microphone? | No | No | |
| | | | |
| ry? | | | |
| udge clearly? | Yes | Yes | |
| | | | |

| | Main Session | Juv. & Probate | |
|--|-----------------|----------------------|---|
| ATTORNEYS (continued) | | | |
| Can Attorneys hear the Witnesses clearly? | No | No | |
| Approximately how far is the defendant from counsel? | 15' | 15' | • |
| Are Lawyer conference rooms conveniently located? | Yes · | No | |
| COURT OFFICERS | | | • |
| Do Court Officers have a designated place in courtroom? | Yes | Yes | |
| Are they near enough to defendant to restrain him? | Yes | Yes | |
| Is there a Court Officer located between Jury & public? | | | • |
| Is a Court Officer located so that he can protect Judge? | No | No | |
| PROBATION OFFICERS | | | |
| Is there a space for the Probation Officer and his records? | Yes | Yes | |
| DEFENDANT | | | |
| Can the Defendant hear the Judge clearly? | No | No | |
| Can the Defendant hear the Attorneys clearly?* | .No | No | |
| Can the Defendant hear the Witnesses clearly? | No | No | |
| GENERAL | | | |
| Is there an alarm system? | No | No | |
| Does the courtroom have a blackboard? | Yes | Yes | |
| Can the courtroom be darkened for visual aids? | Yes | Yes | |
| Is there a clock? | Yes | No - | • |
| PUBLIC | | | |
| Is the Public seating comfortable? | Yes | Yes | |
| Does the press sit in the public area? | Yes | No press | |

F-19



ACOUSTICS

endered to be the second noise; that is, an average noise level attributed to sources such as air rushing through ventilators, outside street traffic noise,

flourescent balast hum, and others.

The noise level, for this study, was measured in The noise rever, for this brudy, was measured in decibels on at A-weighted scale (dBA units). The A-weighted scale compensates for human hearing defi-

ciencies by djusting the sound levels at each end of the audibl frequency spectrum. For a detailed explanation of accustic measurement, please refer to Sound Control Construction*. For comparison, a table of typical noise levels and optimum background sound

| | | Source/Room | |
|---|---------|--|---------------|
| | Typical | Aircraft (| Level (dBA) |
| | | Aircraft (near plane) Person shouting | 140 |
| | | Average conversation | 80 |
| • | Optimum | Conference | 50 |
| | | | 35 |
| | | Large general offices Stenographic offices Courtroom | 35 - 45 45 |
| | | Loui croom | 50 - 60 |
| | | | 35 - 45 |

Field measurements were made with either of two Bruel Kjaer sound level meters, models #2203 or #2206. 6 Kjaer sound level meters, models #2203 or #2206. These are equipped with microphones which are nearly omnidirectional. The frequency response for the %#2206 is 4Hz to 15KHz (± 2dB). The frequency response specifications for the #2203 are quite lengthy. (Instruction manual has specifics).

Flutter Sche occurs when a sound wave bounces Flutter Scho occurs when a sound wave bounces continually between two parallel, acoustically reflec-tive surfaces. The magnitude of the sound has to be at an audible level, and the time between bounces must be great enough to make the noises distinguishable as separate sounds. Flutter echo usually sounds like a

To estimate flutter echo, a researcher claps his hands, producing an impulse sound, d then listens for its

Reverboration time is the duration of sound reflection Reversor time is the duration of sound reflection a space. It is defined as the time (in seconds) in a space. It is defined as the time (in seconds) after a constant noise source ceases, that it takes for the original sound pressure level to decrease by one thousand (60 dB). The presence of flutter echo and reverberation times in this study were estimated

To estimate the reverberation time, a researcher coughs, To estimate the reverberation time, a researcher coughs, producing a loud sound, and then listens for the rate of

and the second sec

*Sound Control Construction, Second edition, prepared by the United States Gypsum Co., Chicago, Illinois 1972. **Sound Control Construction, except for the courtroom data, which was obtained from Mr. Robert Newman, Professor of Architecture, Massachusetts Institute of

***Illuminating Engineering Society, IE3 Lighting Racibook, New York: McGraw-Hill, 1964

Car rational and a string

LIGHTING

Room

Library

Conference

(Accounting)

Room .

Offices

Offices

Police

(General)

Courtrooms

or the light produced by one candle at a distance of one foot). For a given light source, the intensity of the emitted light is inversely proportional to the

The standards specify required light levels in foot candles. (One foot candle is defined as the intensity of the light produced by one candle at a distance of foot! For a given light source, the intensity

of the emitted light is inversely proportional to the square of the distance between the source and the point of measurement; for example, if the intensity of a a distance of one foot, at a distance of two feet, the intensity would drop to 100 footcandles. For this at the work surface. The following table of light requirements, which is representative of court at the work surface. The following table of light requirements, which is representative of court activities, is an extract of a more exhaustive listing in the IES Mondbook.

Function

seating area

interviewing

court activity area

auditing, tabulating, bookkeeping, business

Reading poor reproduc-

Reading handwriting in

Reading high contrast or well printed materials

hard pencil or on poor paper, reading fair repro-

operation, computer

operation

Jail cells

Field measurements are made with GS 213 light meter.

tions, business machine

reading printed material study and note taking

machine operation, computer

Required

(Footcandles)

30' 70

30

70

30

150

150

100

30

30

Area

Courtroom

st session

uvenile and

robate

Light

The ratings for lighting acceptability are based upon the accepted standards of light intensity as listed in IES (Illumination Engineering Society) Handbook***. These standards provide a comprehensive listing of the levels of light required for a multitude of tasks.

ACOUSTICS

Noise

Flutter

EXC

EXC

Amblent

ABS

ABS

50

42

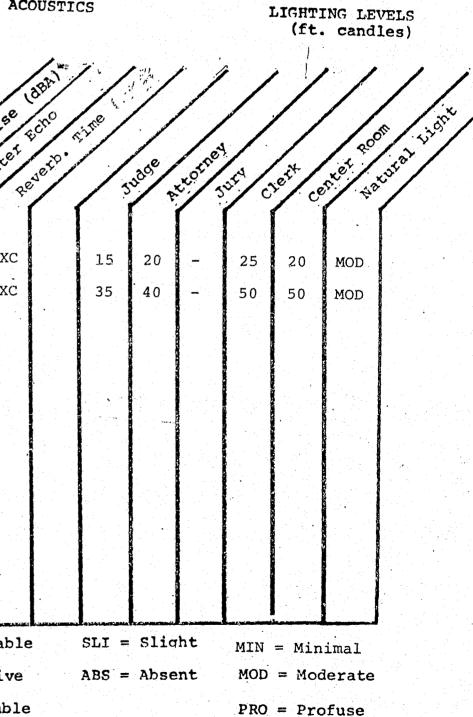
This meter is color and cosine corrected to give a linear response (accuracy ±15). Light intensity is not the only factor affecting the illumination of a room. Natural light (sunlight, affect on the lighting level of a room. Glare from of the room to read and record information. These lighting, such as special deficiencies or annoyances, lighting, such as special deficiencies or annoyances, are noted when pertinent.

ACC = Acceptable

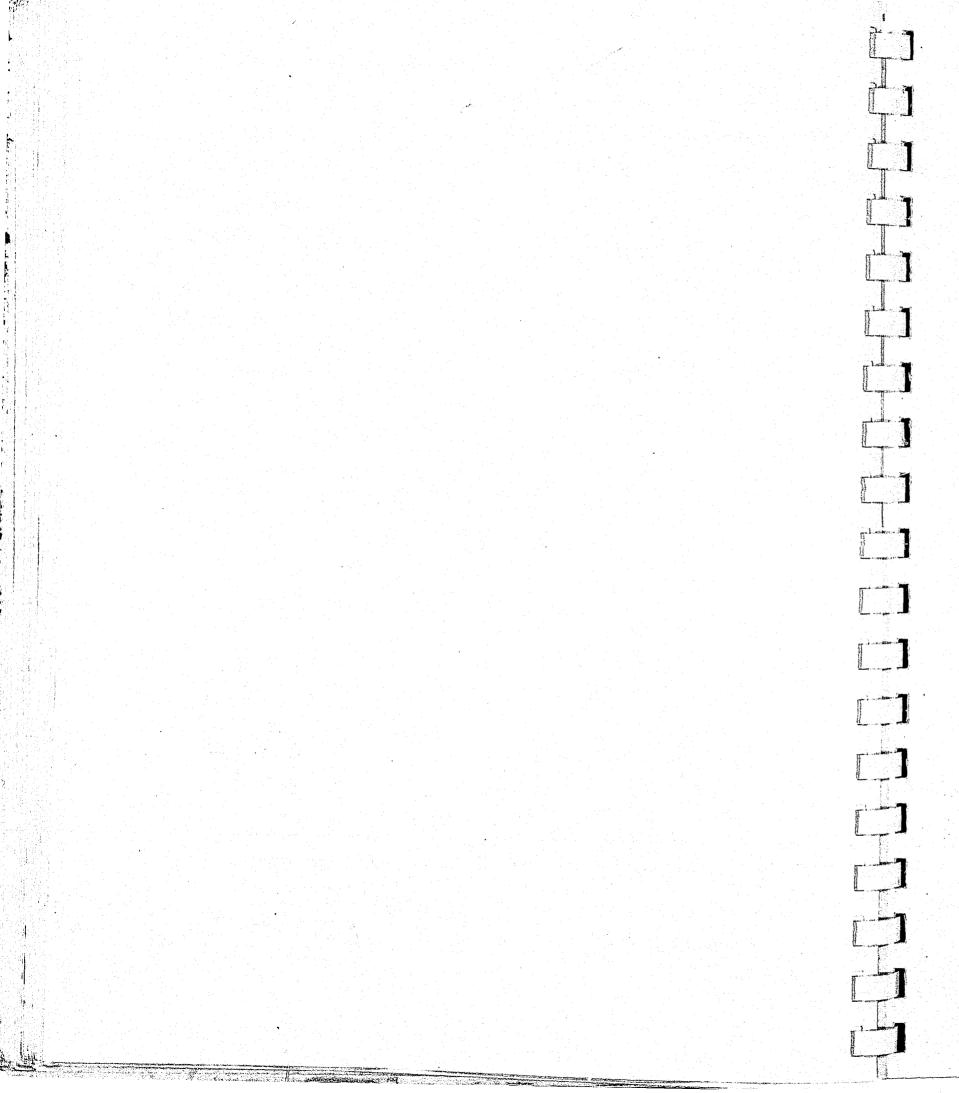
EXC = Excessive

NOT = Noticeable

This section contains a table of acoustical and lighting measurements on selected rooms in the courthouse. When further explanation is needed, additional comments will follow the table.



F-21



ADDITIONAL COMMENTS

MAIN COURTROOM is a salient defect in this room.

JUVENILE AND PROBATE COURTROOM of low ambient noise. augmented by natural light.

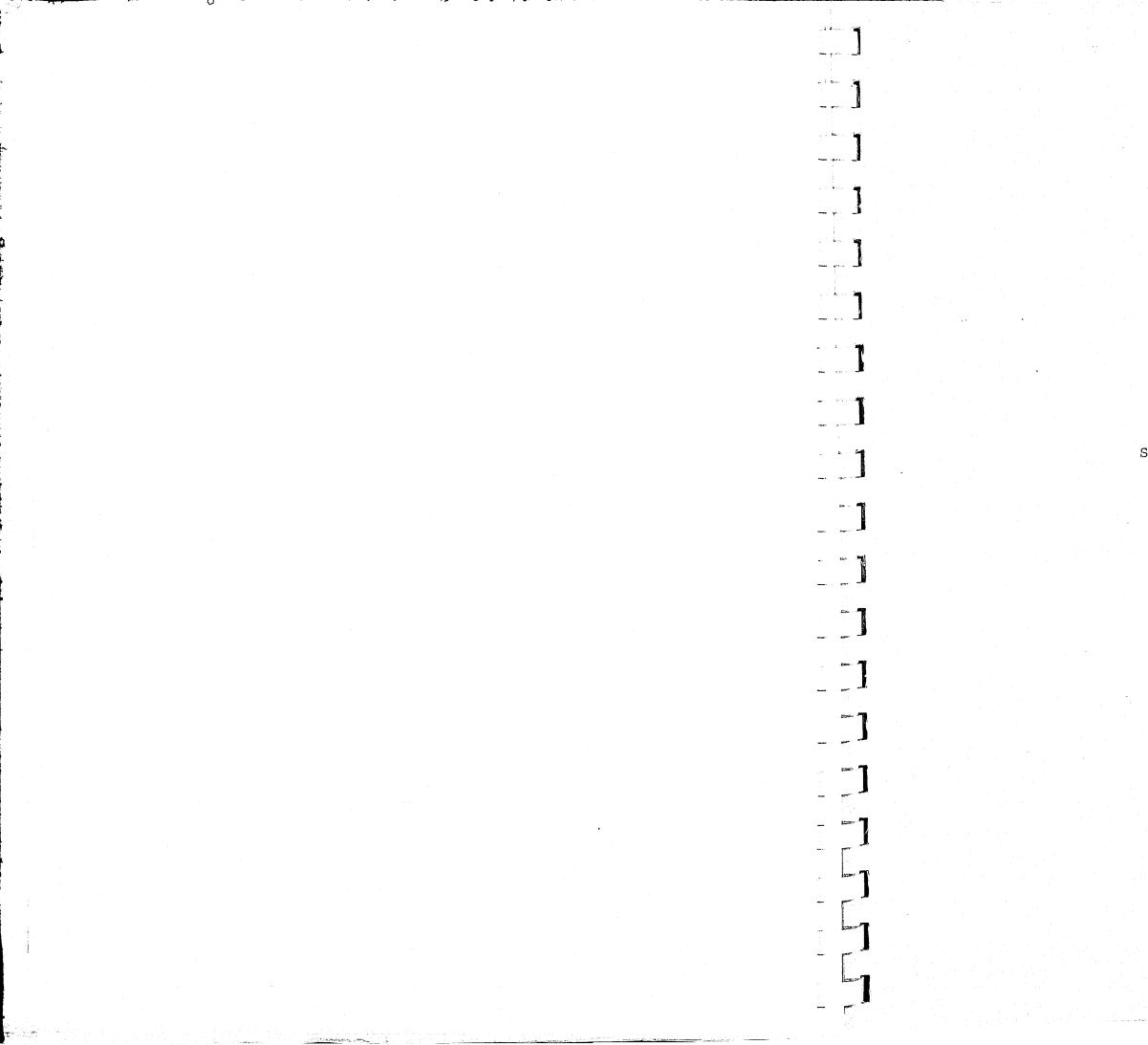
Acoustics Much noise enters through the open windows of this non-air conditioned courtroom. The room has a

high barrel-vaulted plaster ceiling, which characteristically causes reverberation problems. Since all other finish materials are also highly sound-reflective, reverberation

Lighting Lighting is entirely incandescent. There are two circular chandeliers, each with thirty 40-watt bulbs, which hang approximately 15' above the floor. There are four supplementary luminaires, two on the Judge's Bench and two on the Clerk's. Each has three 25-watt bulbs.

Acoustics The main sources of ambient noise are traffic. noise and hallway noise. The room is air conditioned, but the system is remarkably quiet. The room is quite reverberant, however, and this tends to negate the benefits

Lighting The room is lit with five hanging direct/indirect fluorescent fixtures , each fixture containing, four 4' tubes. The light distribution is uneven, fading toward the sides of the room. The 'fluorescent lighting is considerably



SECOND DISTRICT COURT OF BRISTOL (FALL RIVER)

G

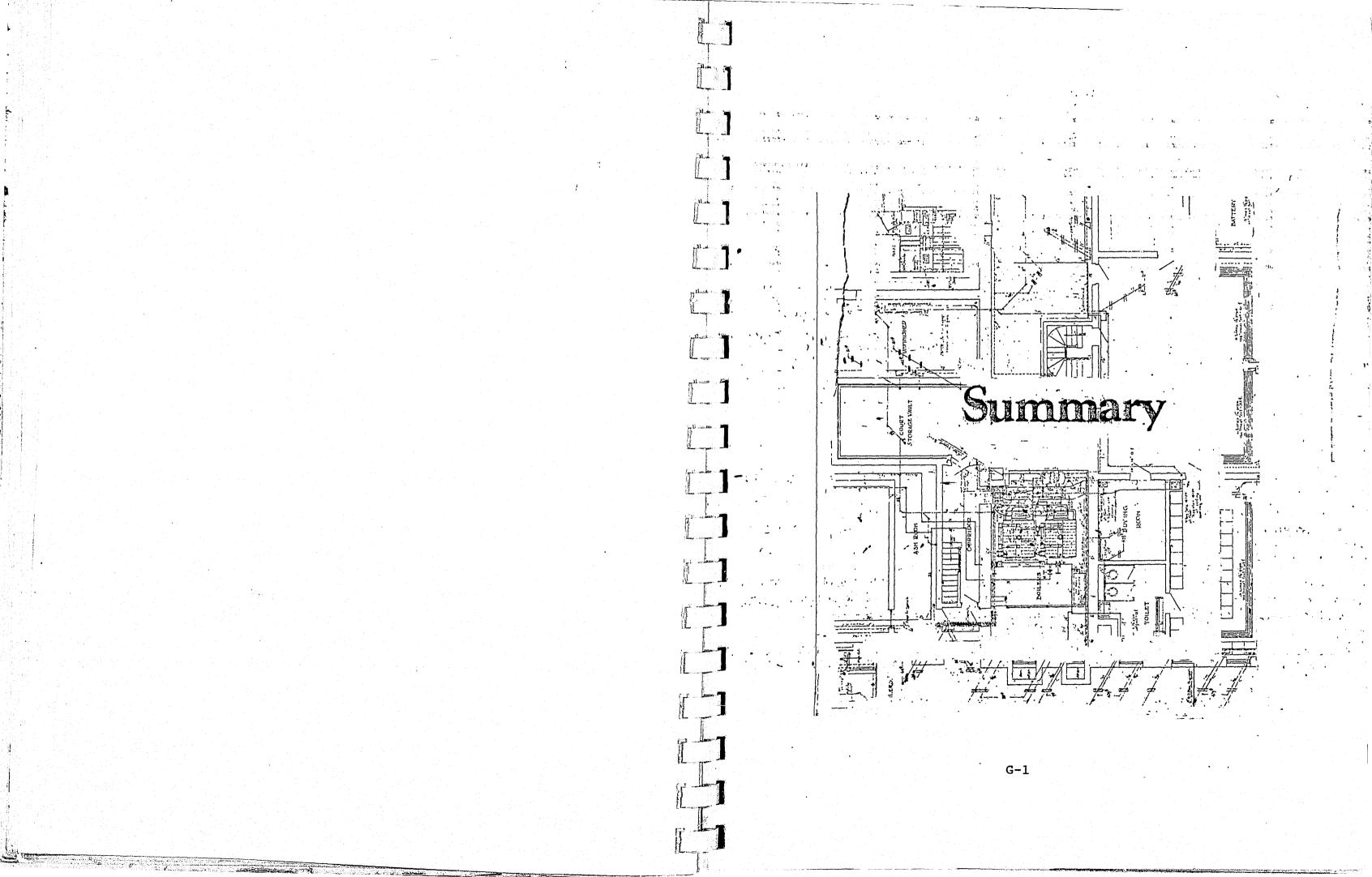
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| an a | SUMMARY |
| | BUILDING, ENVIRONMENT |
| | Photograph |
| | Architecture |
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| an a | Courthouse Funct |
| | Structure |
| | Operating and Ma |
| | FLOOR LAYOUTS |
| | 1 1001. 2.1.000 |
| n se a la companya de la companya d | ROOMS |
| | COURTROOM RELATIONSHI |
| | |
| | TECHNICAL INFORMATION |
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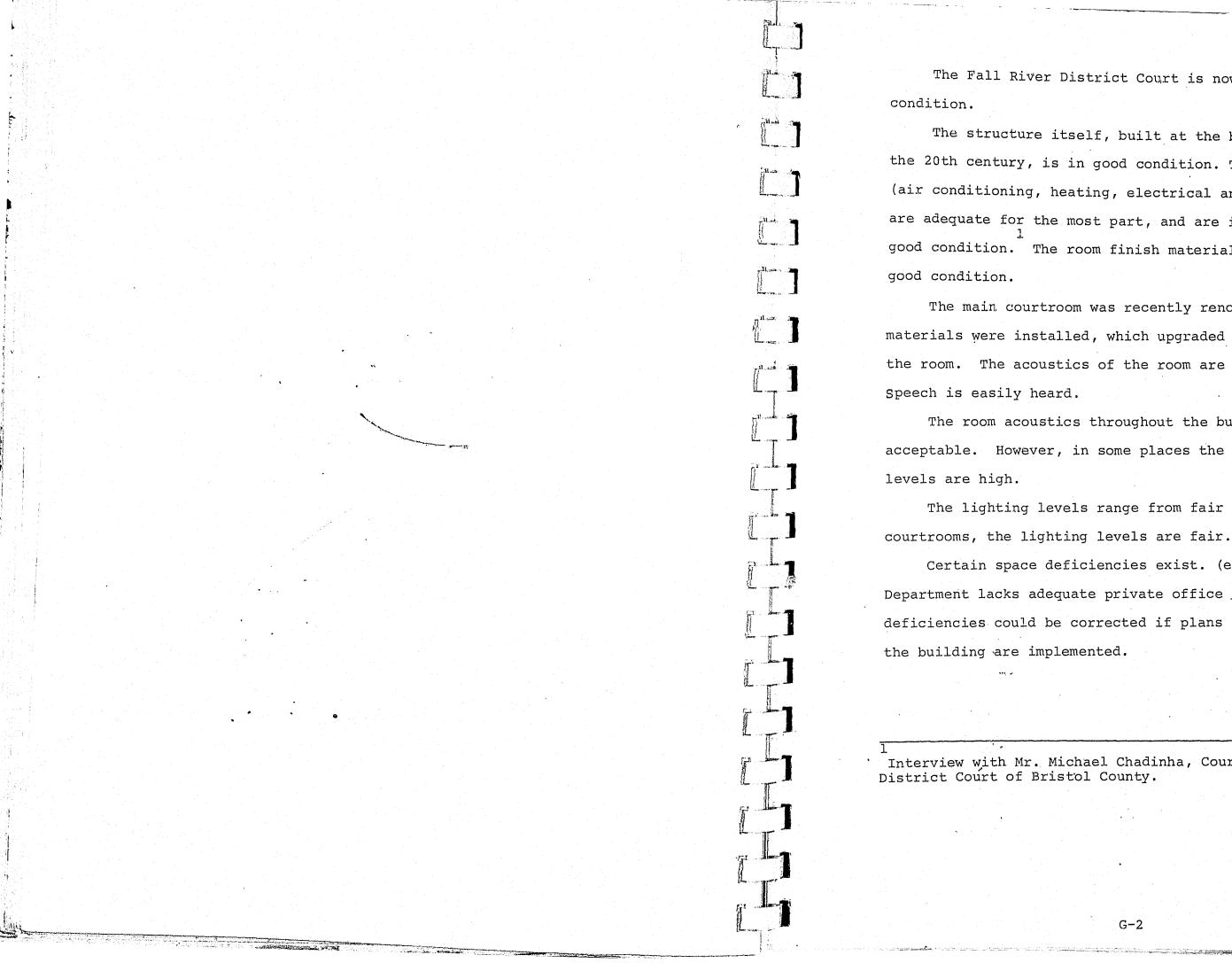
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| ve at ne | ed, tic cti | , f on lor | Jei ns | iqt • | ibc | ori | 100 | , bc | 9 0 0 | ÷ | 0 9 | • | 0 | (* 12) 10 10 10 10 10 10 10 10 10 10 10 10 10 | 6 9 * | • | G G G G | 5 6 7 8 |
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The Fall River District Court is now in fair

The structure itself, built at the beginning of the 20th century, is in good condition. The systems (air conditioning, heating, electrical and plumbing) are adequate for the most part, and are in fair to good condition. The room finish materials are in

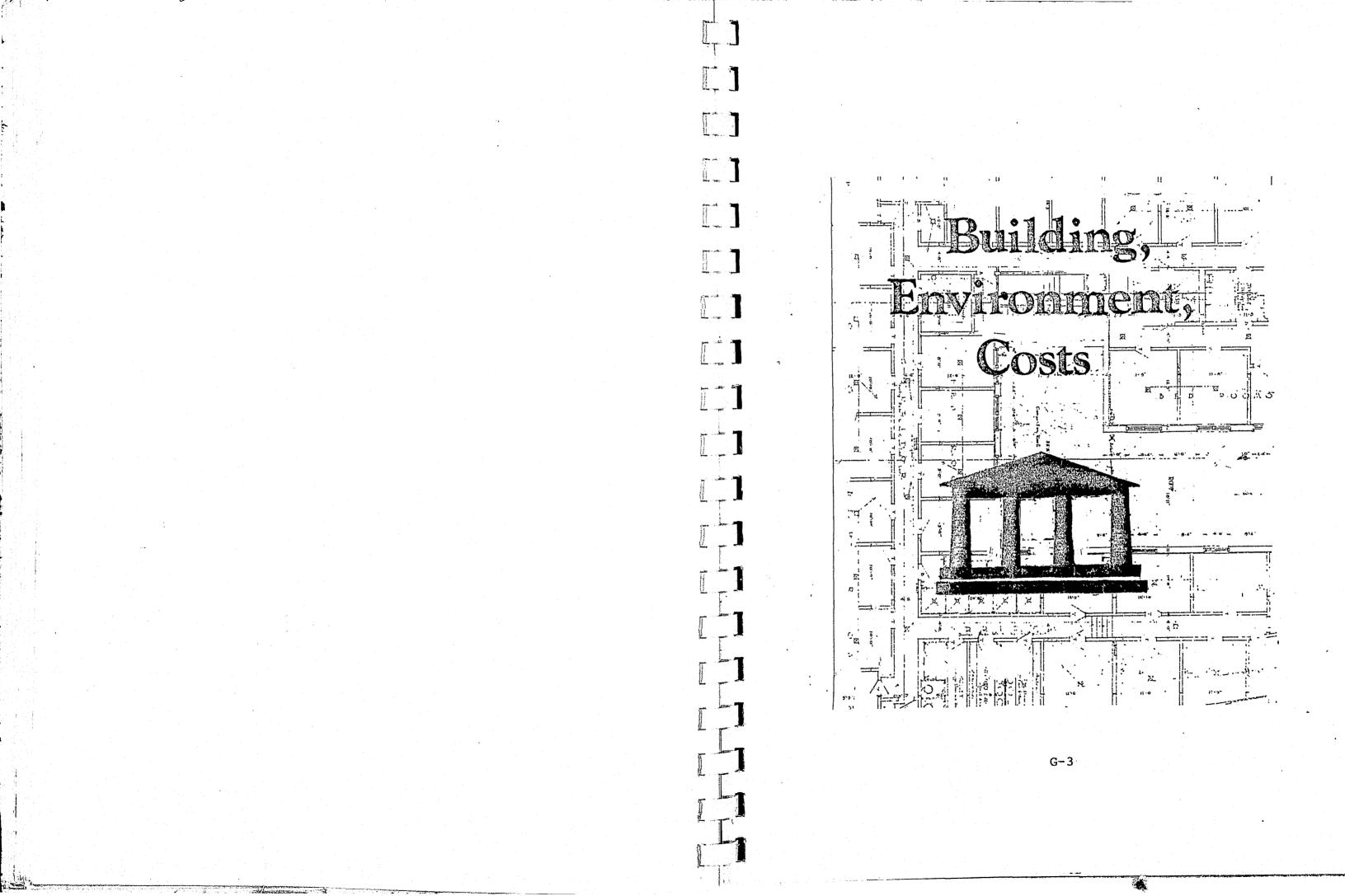
The main courtroom was recently renovated. New finish materials were installed, which upgraded the acoustics of the room. The acoustics of the room are now excellent.

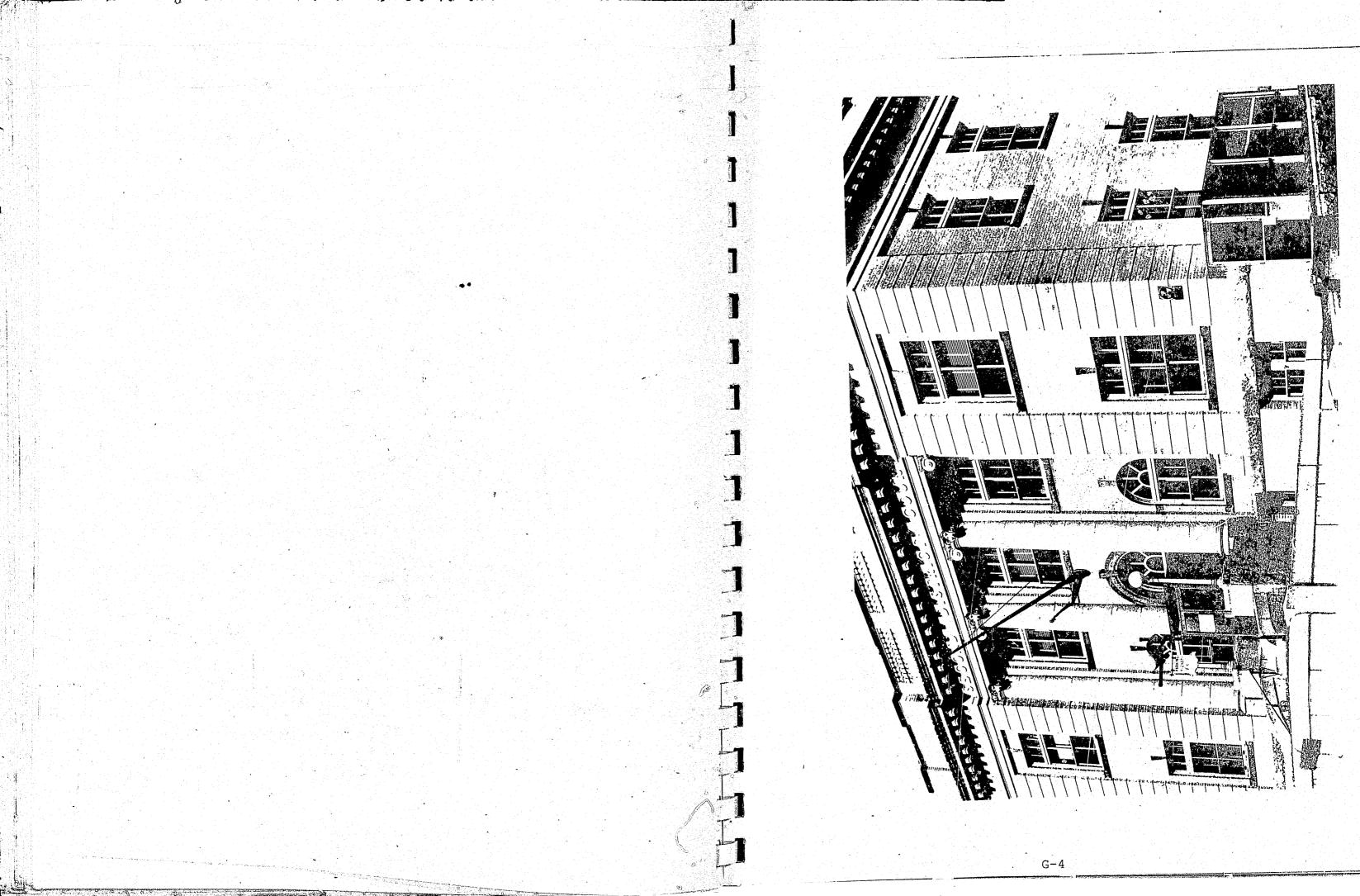
The room acoustics throughout the building are generally acceptable. However, in some places the background noise

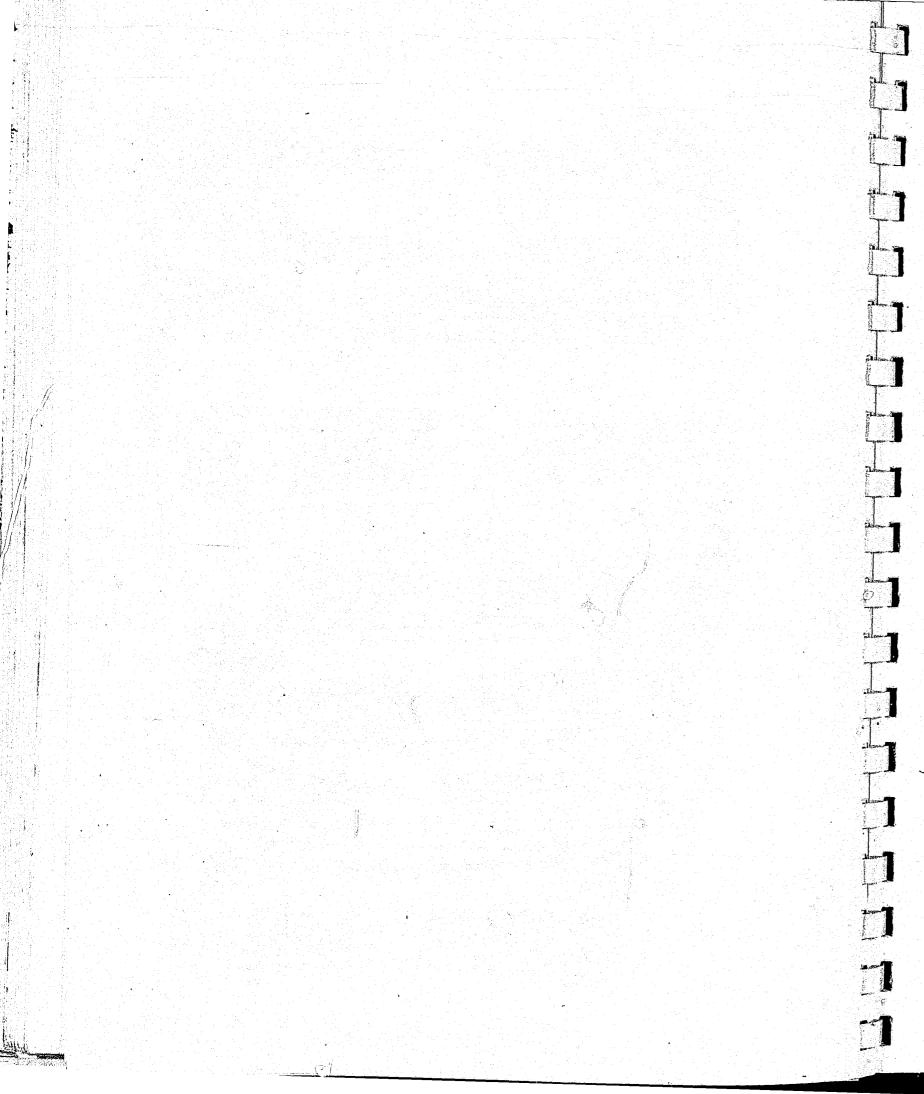
The lighting levels range from fair to good. In the

Certain space deficiencies exist. (e.g. the Probation Department lacks adequate private office space.) These deficiencies could be corrected if plans for an addition to

Interview with Mr. Michael Chadinha, Court Reporter, Second District Court of Bristol County.







ARCHITECTURE

Description The Second District Court of Bristol County is housed in a two-story, blond brick building constructed in 1908. There were extensive renovations to the courtroom and other areas in 1973, and an extension is planned for the future. The building is rectangular in plan. There is a concrete ledge that runs along the building at the base of the parapet. At the entrance, there is a small masonry stairway leading up to an arched doorway, which is surrounded by four concrete columns. Distinguishing Architectural Characteristics During the 1973 renovation the main courtroom was acoustically improved.

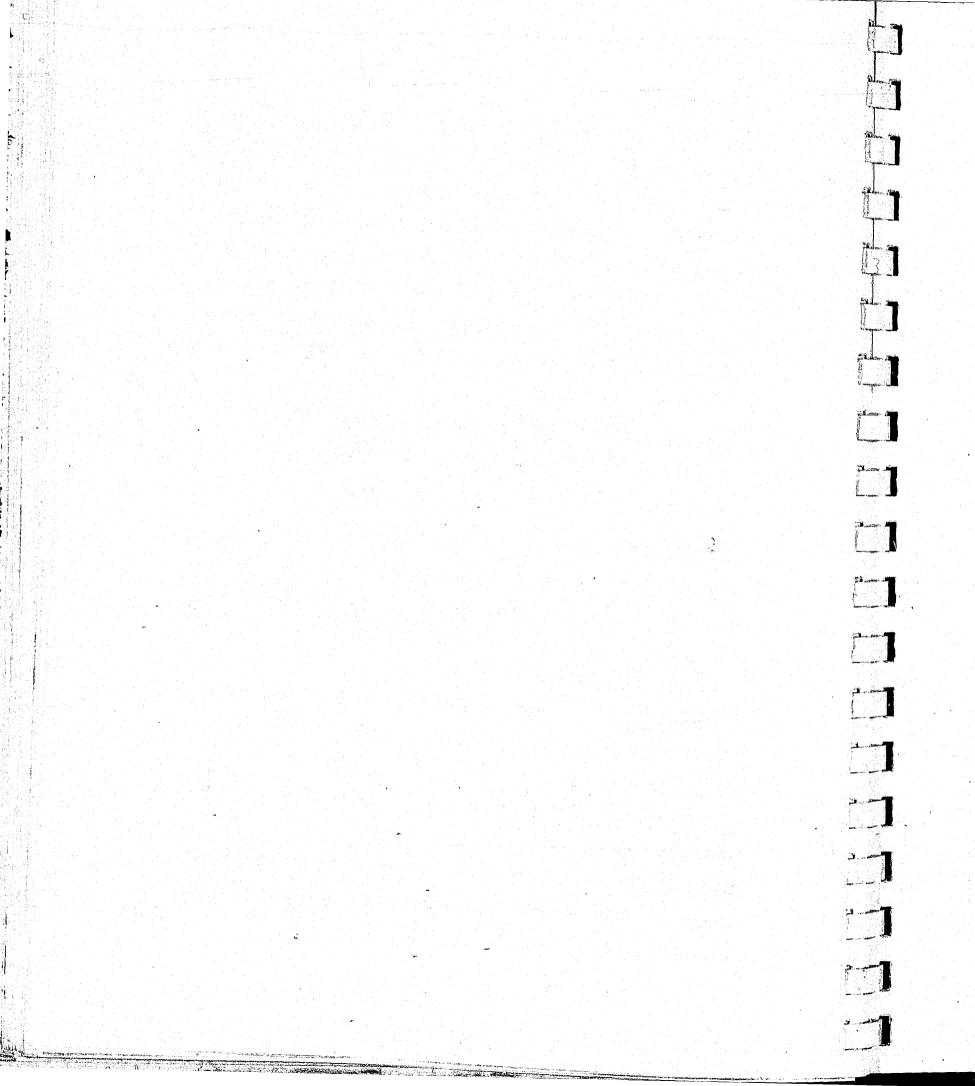
chusetts 1971 Census). shops and warehouses. Public Transportation Local buses serve Fall River; there is a bus stop nearby. facilities are inadequate.

COMMUNITY SERVED, NEIGHBORHOOD, TRANSPORTATION

Population The District Court serves the communities of Westport, Somerset, Swansea, Freetown and Fall River. The combined population of these areas is 143,130 (Massa-

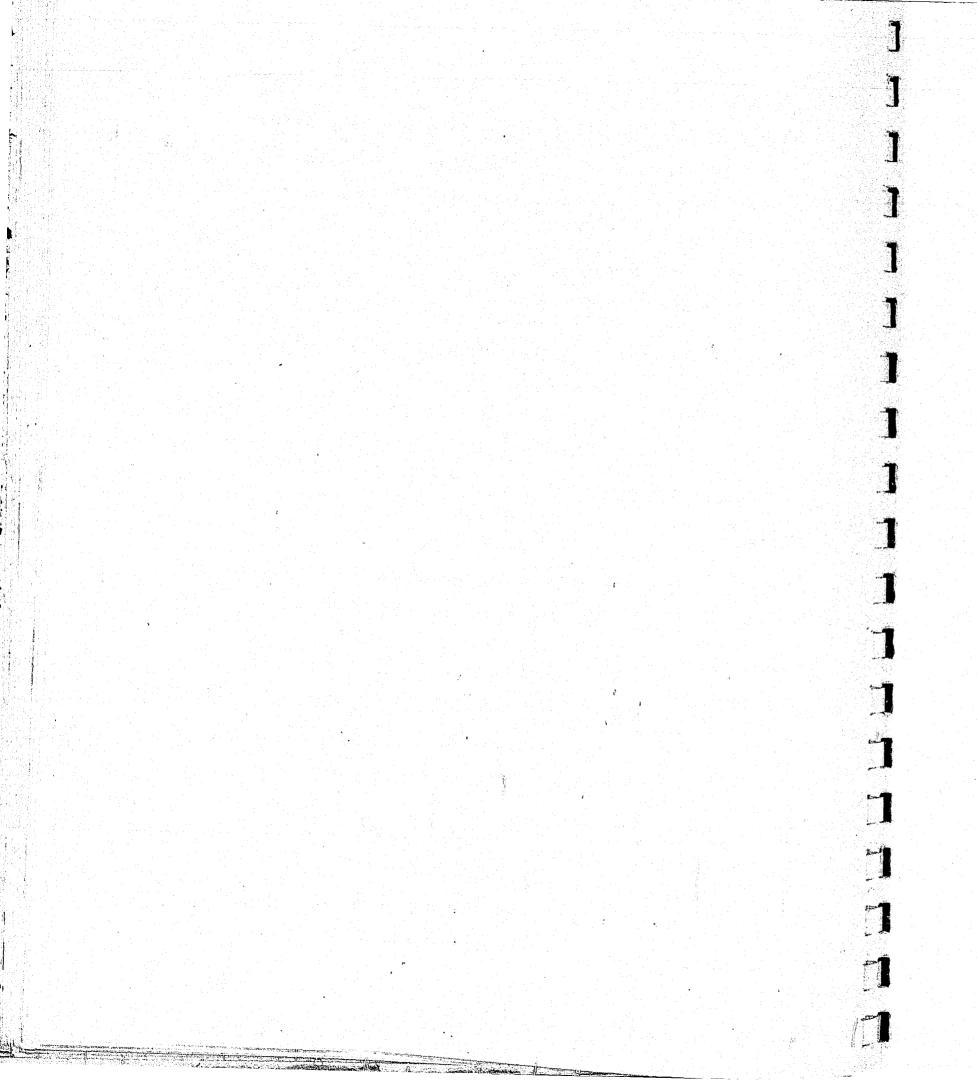
Neighborhood The court is located in urban surroundings and is adjacent to the police station and several small

Parking One parking space is reserved for the judge, but there are none reserved for court personnel. The parking



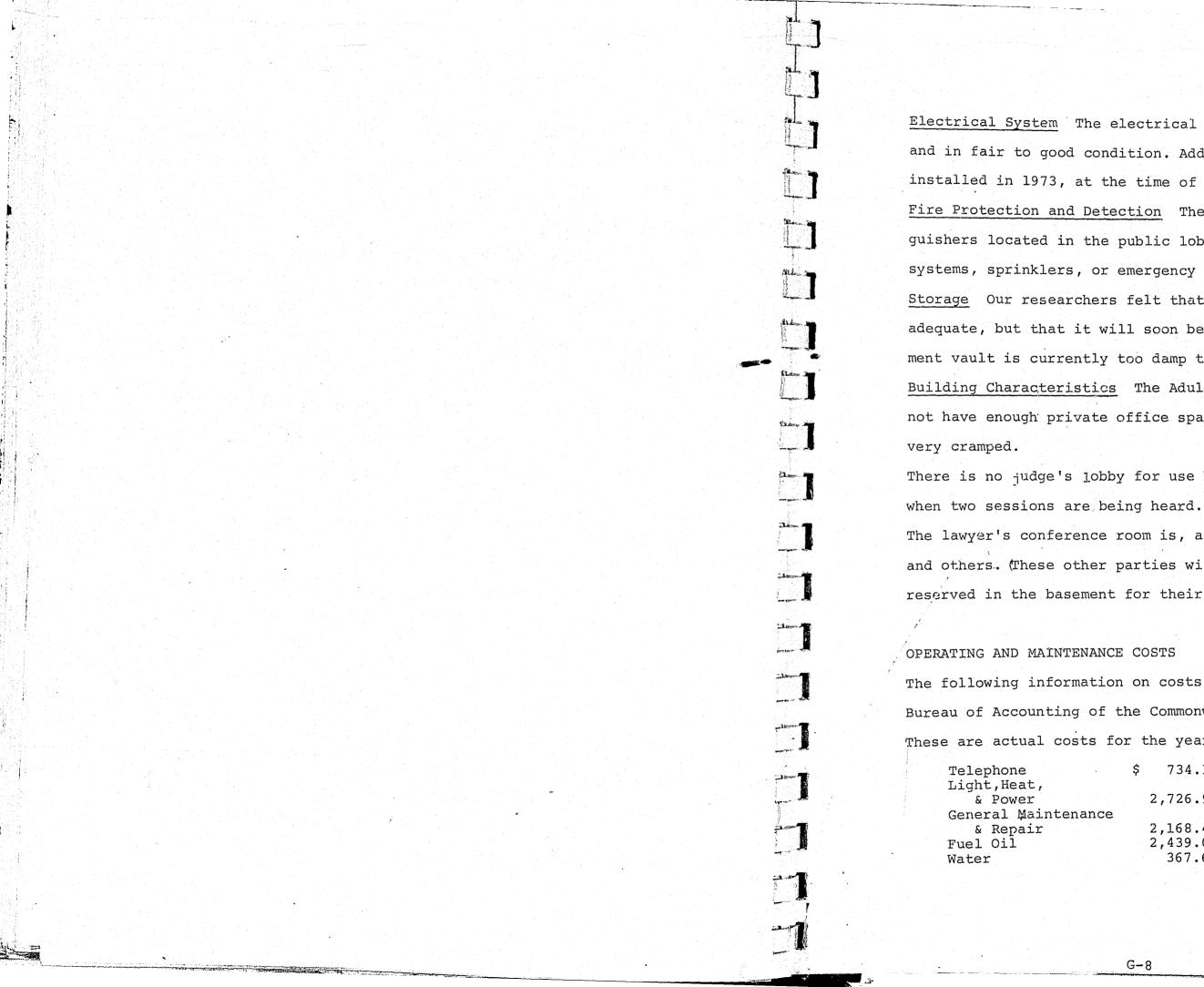
COURTHOUSE FUNCTIONS Schedule of Operation The courthouse is open from 8:30A.M. to 4P.M. Monday through Friday, and from 8:30 A.M. to 12 Noon on Saturday. The court schedule follows. Criminal cases : M-S Civil T, Th : Supplementary Process: Th Summary Process : Th Small Claims : Th Juvenile : Th Space for Non-Court Personnel No non-court personnel are located in the courthouse. Security The court employs two court officers. The police station is adjacent to the building. Police officers are sometimes assigned to guard the prisoners. Public Address System There is a paging system from the courtrooms to the public lobbies. Tape Recording The court currently records on tape all sessions in the main courtroom, and will soon record on tape those in the second session. Visual Aids The court has a movie projector. Use of Graphics There is no main directory, but room signs and individual directional signs are clear and adequate. Most rooms are labeled according to function, but the main courtroom is not marked. Rest Rooms The rest rooms are adequate. The public rest rooms, however, are difficult to locate, and the women's room is very inaccessible. The room is on the second floor and can be entered only from the basement or the second

session courtroom.



STRUCTURE

Qualitative comments contained in this section are based on interviews with Mr. Michael Chadinha, Court Reporter, and other members of the court staff. Structural System The building is of masonry bearing wall and steel frame construction. The structure is in good condition. Roof and wall leaks have recently been repaired. There is a problem with dampness in the basement, particularly in the Clerk's vault. Air Conditioning The air conditioning for the main courtroom and second floor areas is by a central gas system. The judge's lobby area, the Clerk's office area, and the parking violations area are each air conditioned with a unit that distributes the air through ductwork. The air conditioning is adequate, and the various systems are in fair to good condition. Heating The heating is by three different systems: a new gas heater that services the second floor and the main courtroom; an oil burner, steam system that serves the remainder of the first floor; and an electric heater for the Parking Violations Office. The gas and electric heaters are adequate and in fair to good condition; however, the steam system is antiquated and overheats the rooms at times. Plumbing The plumbing is in fair condition, as most of the piping is old, but many of the old fixtures have been replaced with newer ones.



Electrical System The electrical system is adequate and in fair to good condition. Additional service was installed in 1973, at the time of the renovations. Fire Protection and Detection There are two fire extinguishers located in the public lobbies. There are no alarm systems, sprinklers, or emergency exit signs. Storage Our researchers felt that storage space is now

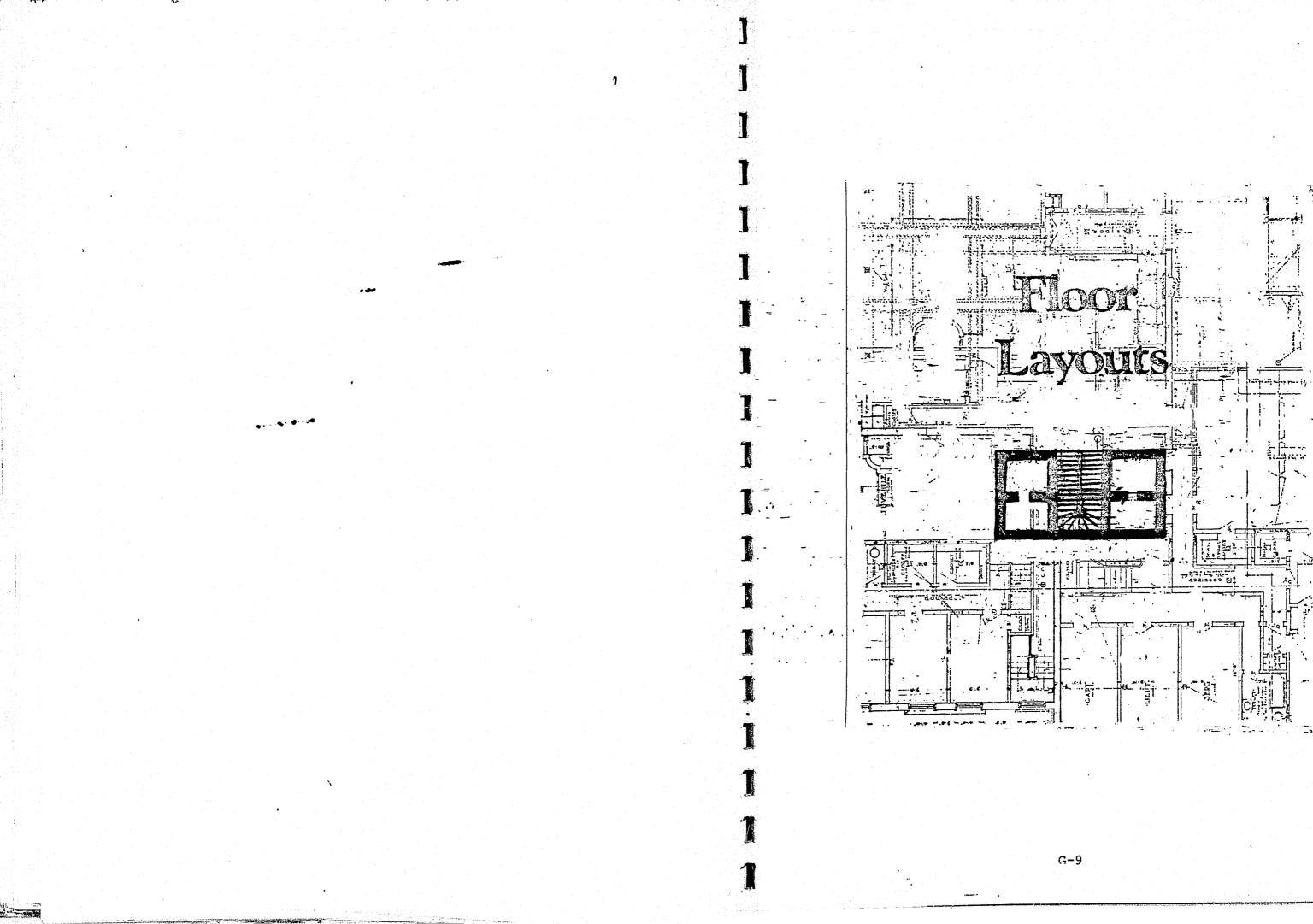
adequate, but that it will soon become cramped. The basement vault is currently too damp to safely store records. Building Characteristics The Adult Probation Officers do not have enough private office space, and are currently

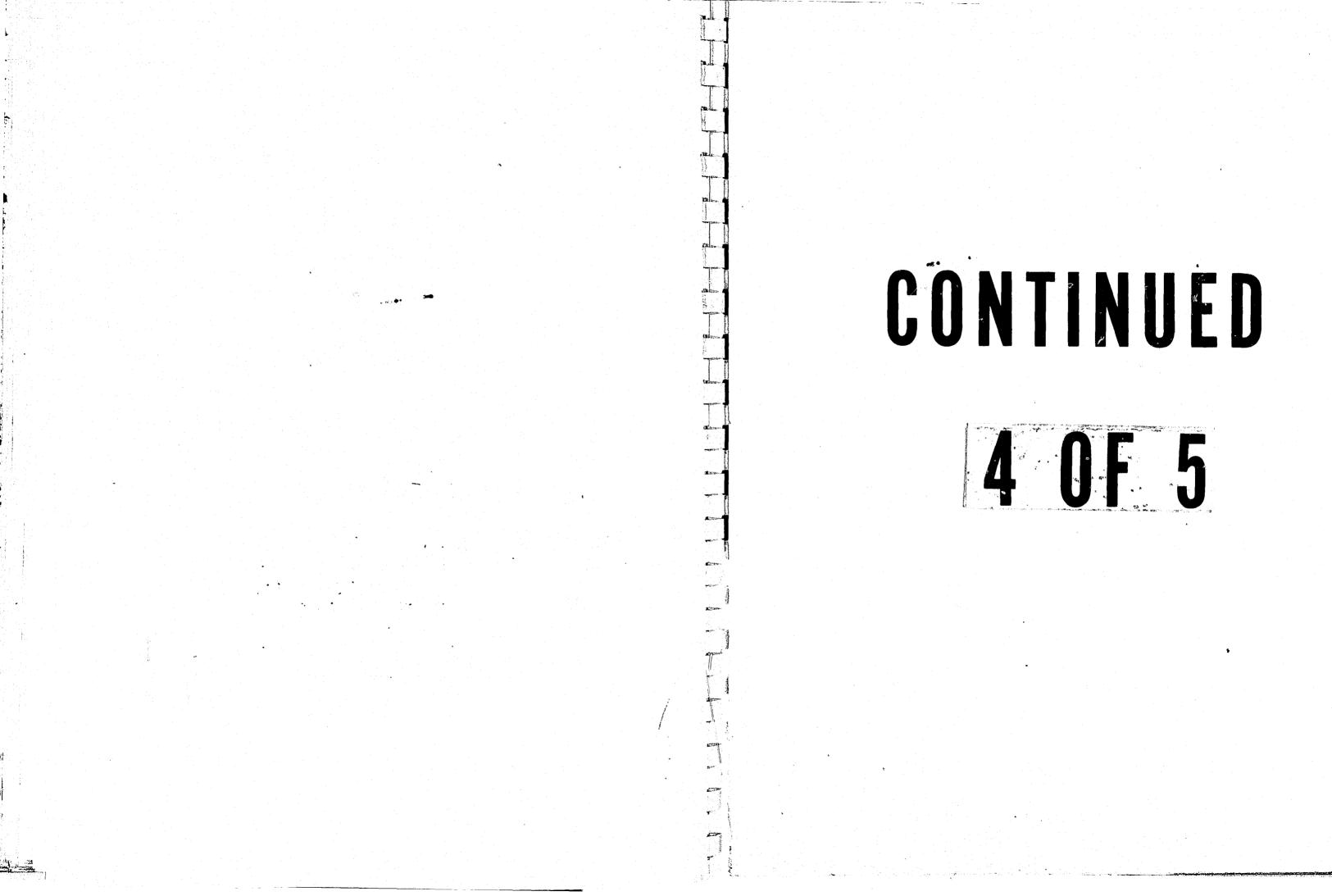
There is no judge's lobby for use by the special judge

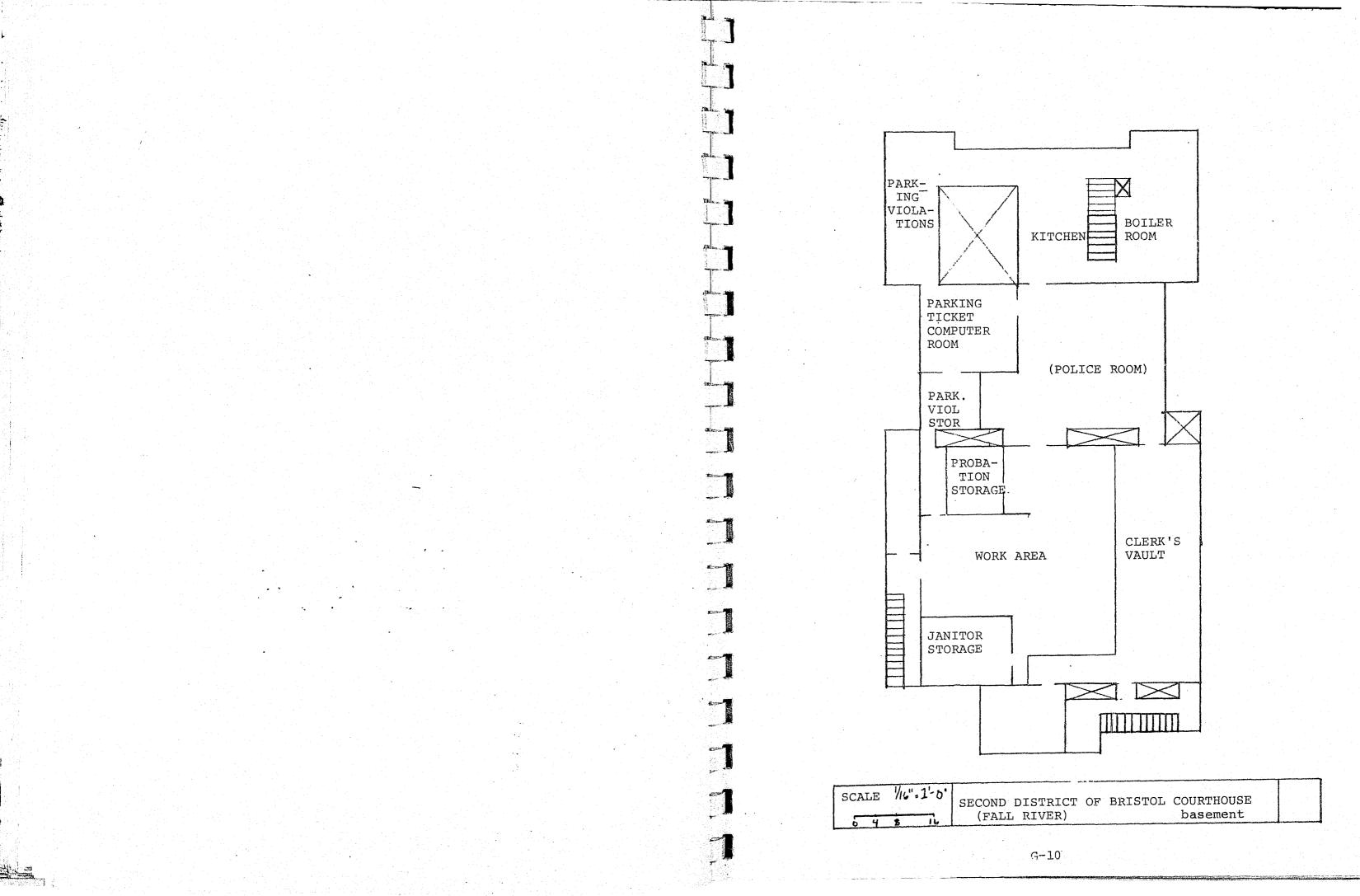
The lawyer's conference room is, at times, used by the police and others. (These other parties will soon have a room reserved in the basement for their use,

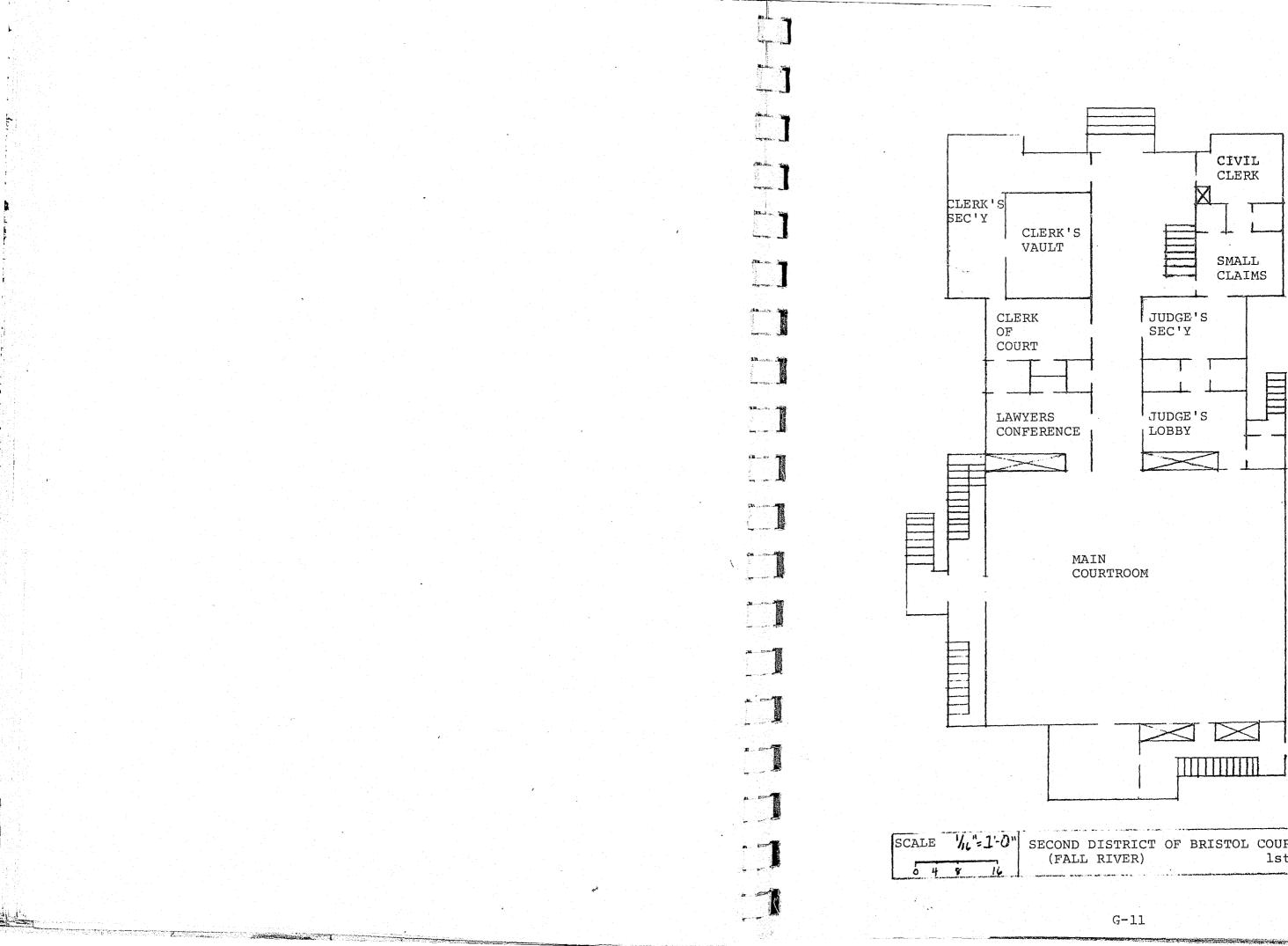
The following information on costs was obtained from the Bureau of Accounting of the Commonwealth of Massachusetts. These are actual costs for the year 1973.

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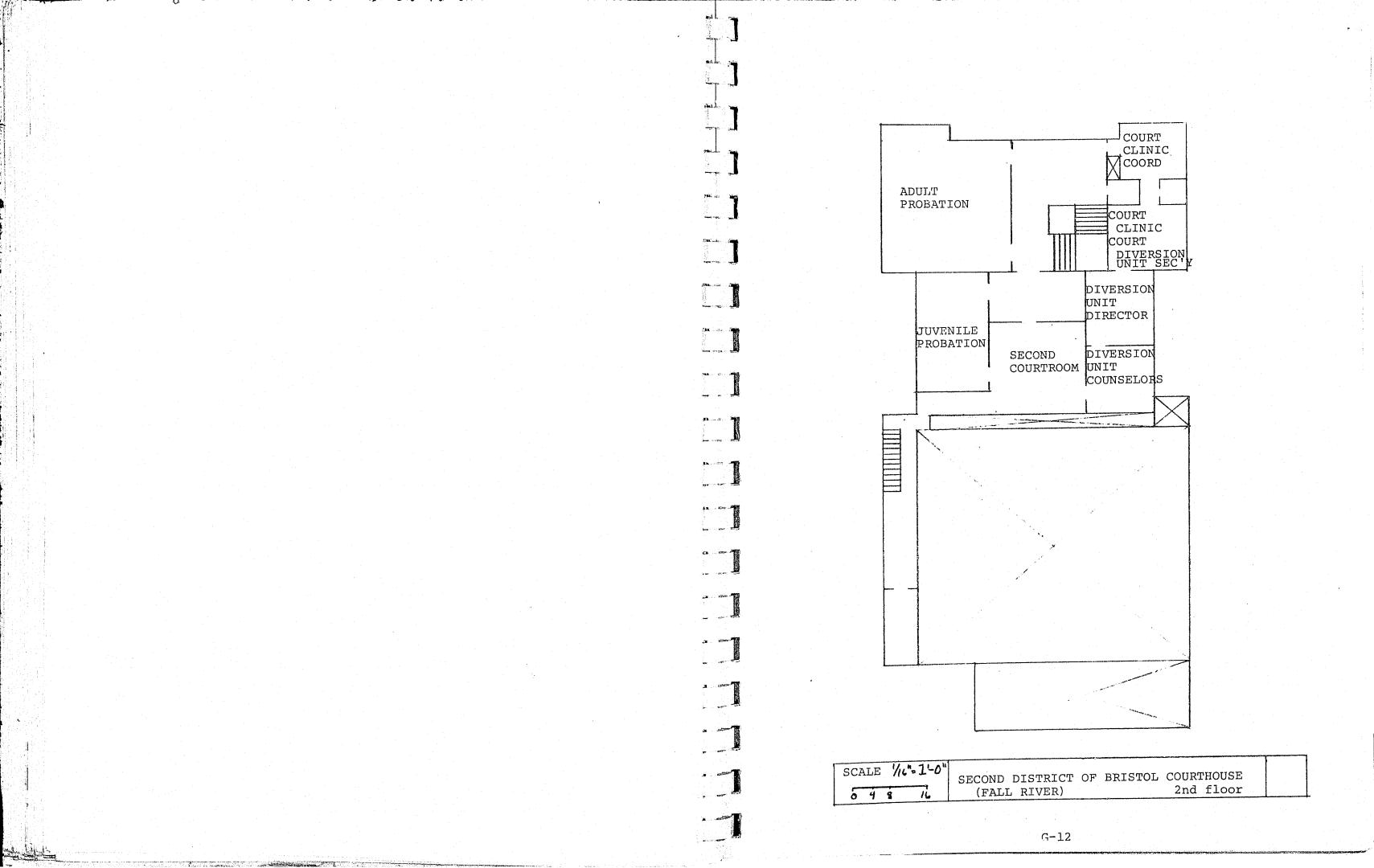


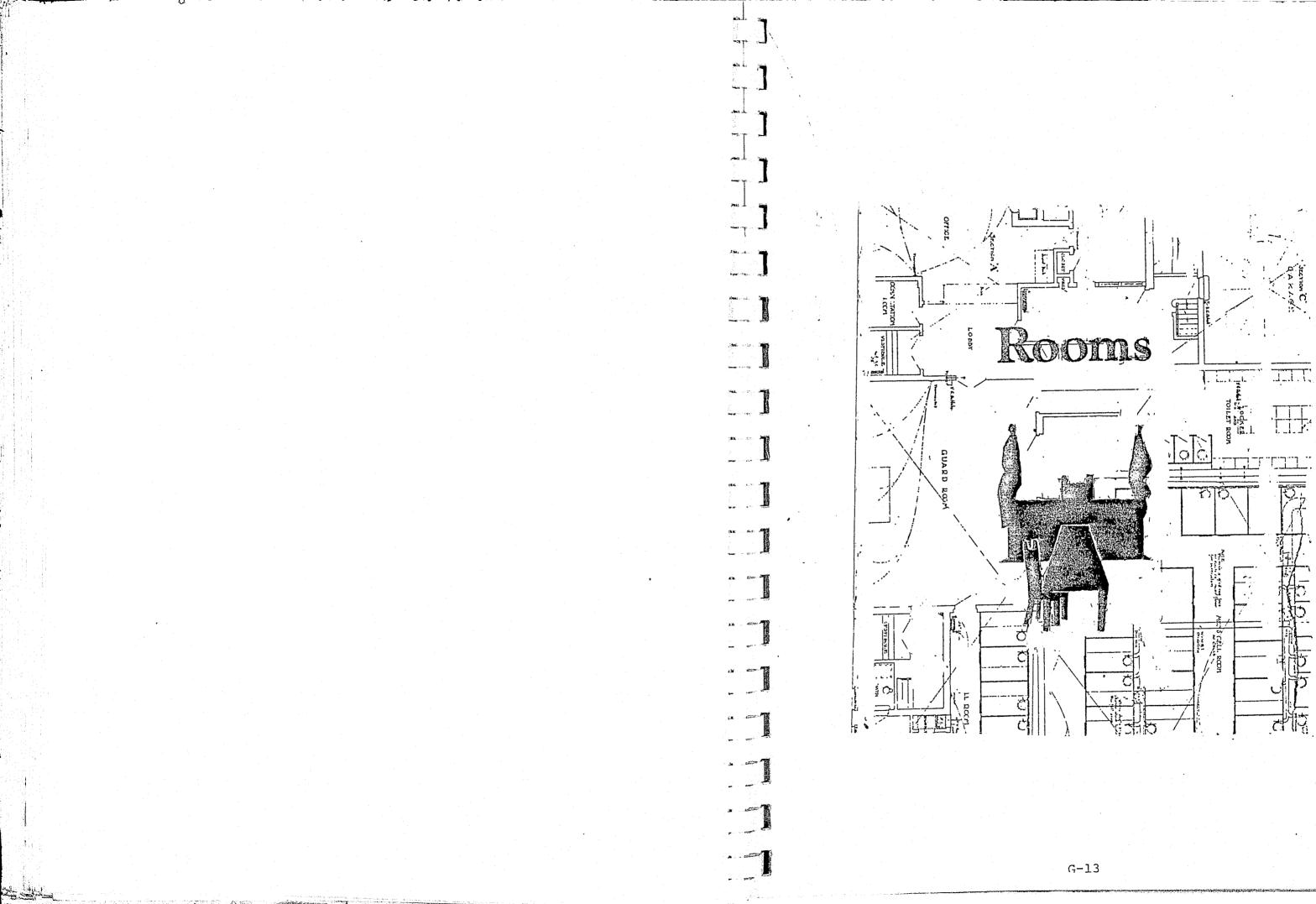






SECOND DISTRICT OF BRISTOL COURTHOUSE (FALL RIVER) lst floor





| Criteria | | • | | | ····· | | | | | | | - 7 - K - 1 | | |
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| Courtrooms, offices, hea rooms. libraries, lounge all of the information i (square footage, type of | | neron ra | CITTEIG | s are | Surveyed f | or † | Eright 5 | and Che | erful | Dr | ab and Aust | | | |
| | | ursu, ac | ouscies | , erc. | } . | Percent total wa | (%) of Win 11 area of | dows: | The approx om which is | imate p | ercentage c | f the | | |
| Storage areas, vaults, m surveyed for only the se | | age. | | | | lleight: | | | ling height | | ed or glass | • | | |
| Other areas such as close not surveyed at all. | ets, restro | ooms, el | evators | ands | tairways an | e | . 4 - 1 | | | · · · · · | | | | |
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| Definitions - | | | | | ••••• | · · | | | | | cion cime). | | | |
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| storage in square feet. ACCESS The degree to whi | • | | | | | 1 | | | Noise level ards for eac at or slight | | everberatio function; | n time a flutter | re | |
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| B - Brick BC - Bookcas | se s | $\begin{array}{ccc} \mathbf{CT} & -\mathbf{C} \\ \mathbf{G} & -\mathbf{G} \\ \mathbf{M} & -\mathbf{M} \end{array}$ | lass | : | Absorl C – Terra: | oing l | Light 1 | levels f | for some fur Standard. | us. | | | | |
| C - Carpet CB - Condret | | n n | 1 4 | ş | / - Vinyl / - Wood /P - Wood | Pocr | | are but | for all lunc | | | | | |
| Condition (Condtn): | , | | | , | Paneli | | TONING + 1 | The cumb | | | | | <u> </u> | |
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| scals repairs a to retard deter | | | | are n | ecessary | R | Room air | -condit | ioning unit | | an an <mark>The Martine - Martine</mark> and a The Martine - Martine - Angeland The Martine - Angeland | •••• | | |
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| scale corrective complete loss of | f the fini | nce is p sh. | ecessar | У, со р | rovent. | . ž | | | | (5) W. | · • · · · · | · · · · · · · · · · · · · · · · · · · | | |
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Kitchen 280 PUB 1130 PUB Work Area

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Police Room

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| Parking Violations | 590 | PUB | . 3 | WP | GOOD | 3 | 5 | v | GOOD | AT | GOOD | 81 | ACC | F | FAIR | С |
|-----------------------|------|-----|----------------|------------|-------------------|---|----|---|------|----|------|-----|-----|-----|------|------------|
| Parking Ticket Comp. | 360 | SEC | 1 | WP | GOOD | 4 | 0 | V | GOOD | AT | FAIR | 8' | ACC | F | GOOD | c |
| Clerk's Vault | 925 | SEC | - | | | | | | | | | | | | | |
| Janitor's Storage | 265 | SEC | | | | | | | | | | | | | | |
| Parking Storage | 145 | SEC | | | | | | | - | | | | | | | |
| Probation Storage | 120 | SEC | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| FIRST FLOOR | | | | | | | | | | | | | | | | |
| Main Courtroom | 2735 | PUB | р 935 | СТ/W ŜÀ | R/ GOOD | 5 | 0 | с | GOOD | ٩q | GOOD | 20' | ACC | I/F | FAIR | - <u>C</u> |
| Judge's Lobby | 240 | SEC | 7 | pP/ pCT | GOOD | 2 | 10 | с | GOOD | ٩q | GOOD | 13' | • | F | FAIR | |
| Judge's Sec'y | 240 | PRV | 7 | pP/ | GOOD | 2 | 15 | с | GOOD | рP | GOOD | 13' | UnN | F | GOOD | с |
| Lawyer Conference Rm. | 240 | PRV | 6 ^E | P/pC BC | ^F GOOD | 3 | 10 | т | FAIR | pP | GOOD | 13' | UnN | F | GOOD | с |
| Clerk of Court | 240 | PRV | 6 | pP/ pCT | GOOD | 3 | 10 | v | GOOD | pP | GOOD | 13' | UnN | F | GOOD | С |

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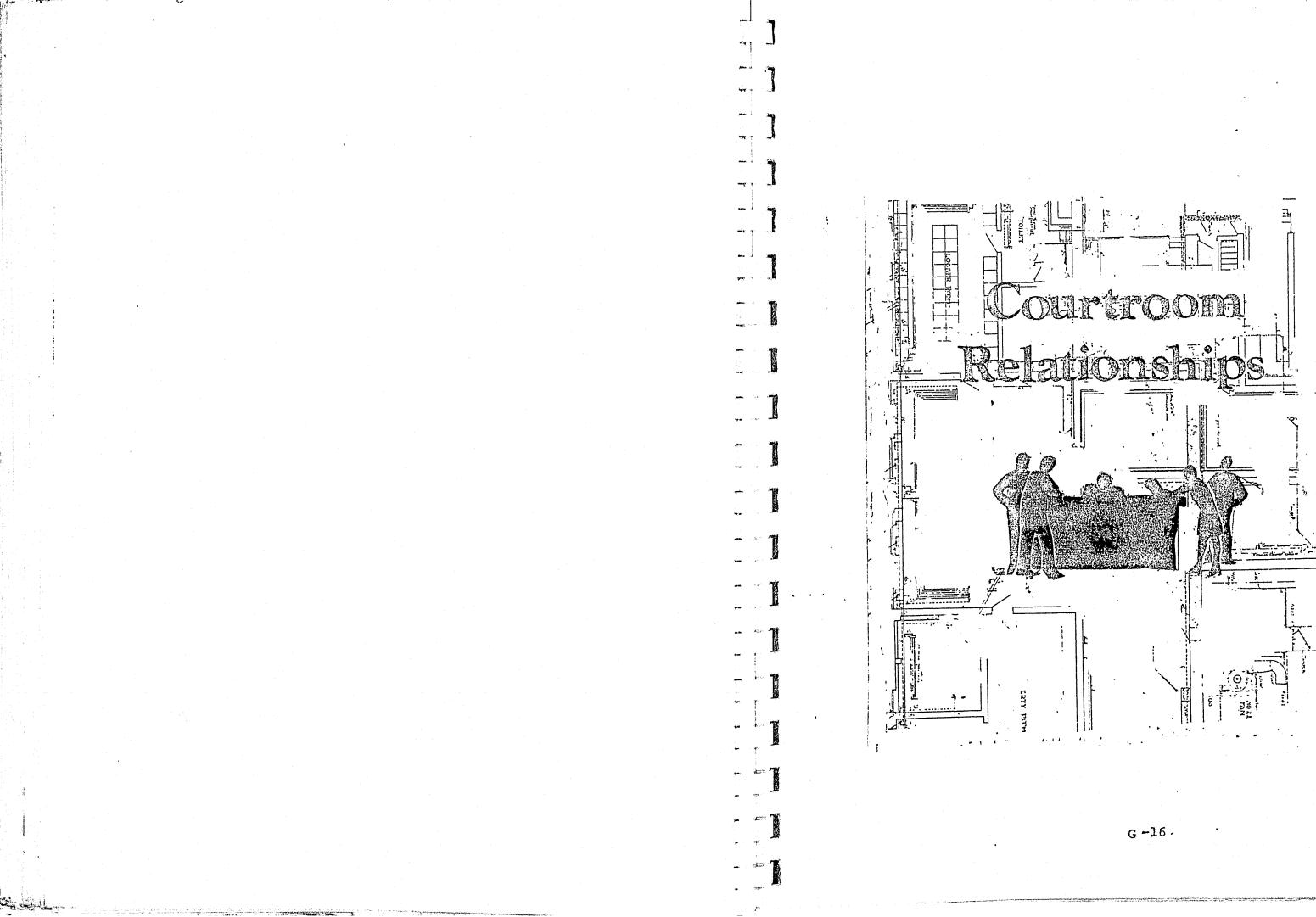
| Criteria | <i>Tone:</i> A subjective evaluation of the color tone of the room based on the following rating scale: |
|---|--|
| ourtrooms, offices, hearing rooms, secretarial areas, conference ooms, libraries, lounges and detention facilities are surveyed for ll of the information in the table on the facing page, guare footage, type of access, finish, acoustics, etc.) | $\frac{\text{Bright and Cheerful}}{5} \qquad \frac{\text{Drab and Austere}}{2}$ Percent (1) of Windows: The approximate percentage of the |
| torage areas, vaults, machinery areas and custodial rooms are urveyed for only the square footage. | total wall area of the room which is composed of glass. |
| | Height: The floor to ceiling height. |
| ther areas such as closets, restrooms, elevators and stairways are ot surveyed at all. | ACOUSTICS The acceptability of the acoustics of each room is based upon measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter echo and reverberation time). |
| | ······································ |
| Definitions | Rating Explanation |
| REA Total floor area including work space, circulation space, and storagg in square feet. | Acc Acceptable: Noise level and reverberation time are within standards for each room function; flutter echo is absent or slight. |
| CCESS The degree to which public entry into a room is restricted. Symbol Explanation | Un N Unacceptable: Noise level exceeds standard or inter- feres with room function. |
| Pub Public: Access is unrestricted to general public. | Un R Unacceptable: Noticeable flutter echo or excessive reverberation time. |
| Prv Private: Access is partially restricted by means of doors, counters, or graphics. | Un NR Unacceptable: Both Un N and Un R |
| Sec Secure: Access is restricted by guard, receptionist, or locked doors. | LIGHTING • Type: Refers to type of light fixtures in the room. |
| UMBER OF USERS , The estimated seating capacity of a room for users nd spectators, based upon current furnishing. | I - Incandescent I/F - Combination incandescent/ F - Fluorescent fluorescent |
| INISH <u>sterials (Mat)</u> : | Level: Ratings of the acceptability of light in the room are based upon comparisons between the measured light levels (in footcandles) and the accepted standards of light requirements for the functions performed in the room.* |
| uojiroa Collea | Rating Explanation |
| - painted ABT - Asbestos Tile CK - Cork S - Stone - glazed AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound - textured AT - Acoustic Tile CT - Concrete Absorbing | Good Light levels for all functions of the room exceed or equal accepted standards, |
| B - Brick G - Glass T - Terrazzo | Fair Light levels for some functions are standard; others are substandard. |
| BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster V - Wood CB - Concrete Block PR - Paper WP - Wood | Poor Light levels for all functions are substandard. |
| ondition (Cundtn): Paneling | AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room, |
| Rating Explanation | Symbol Explanation . |
| Good Condition of surface snows no sign of damage. Continued | N No air conditioning present. |
| preventive maintenance is sufficient to maintain this condition. | C Central air conditioning. |
| • | W Window air conditioning units. |
| Fair Condition of surface indicates some damage. Small scal_ repairs and corrective maintenance are necessary to retard deterioration of condition. | R Room air-conditioning units |
| Poor Condition of surface indicates severe damage. Large scale corrective maintenance is necessary to prevent complete loss of the finish. | <pre>(n)W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W.</pre> |
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| ROOM | | ACC- ESS | US- ERS | Mat | Condtn | Tone | % of Wind | Mat | Condtn | Mat | Condtn | Ht | ACOU- STICS | Тура | Level | AI CO |
| Clerk's Off.(sec'y) | 460 | PUB/ PRV | | WP/ pCT | GOOD | 4 | 30 | v | GOOD | pP | GOOD | 13' | ACC | F | GOOD | С |
| Clerk's Vault | 320 | SEC | | | | | | | | | | | | - | | |
| Civil Clerk (sec'y) | 215 | PRV | 2 | WP | GOOD | 4 | 20 | V | GOOD | pР | GOOD | 13' | ACC | F | FAIR | С |
| Small Claims | 205 | PRV | 2 | P/ PCT | GOOD | 4 | 15 | v | GOOD | pР | GOUD | 131 | ACC | · F | FAIR | с |
| Court Officer | 240 | PRV | 4 | WP/ pCT | GOOD | 3 | 3 | т | FAIR | pР | FAIR | 9' | ACC | F | GOOD | С |
| Public Lobby | 540 | PUB | 9 | pP/ pCT | GOOD | 4 | 15 | T | GOOD | рP | GOOD | 13' | ACC | F | GOOD | N |
| | | | | | | | | | | | | | | | | |
| SECOND FLOOR | | _ | <u> </u> | | | | | | | | | ļ | | | | |
| Second Courtroom | 380 | PUB | 23 | WP | GOOD | 3 | 0 | С | GOOD | AT | GOOD. | 11' | ACC | F | FAIR | C |
| Juvenile Probation | 375 | PUB | . 5 | WP | GOOD | 5 - | 10 | С | GOOD | AT | GOOD | 11' | ACC | F | GOOD | С |
| Adult Probation | 775 | PUB | 17 | pP/ pCT | GOOD | 5 | 30 | v | GOOD | pР | GOOD | 13' | UnN | F | GOOD | c |
| Court Divers.& Clinic Sec'y | 225 | PUB | 4 | pP/ pCT | GOOD | 4 | 15 | v/c | GOOD | рР | GOOD | 13° | ACC | F | FAIR | <u>c</u> |
| Court Clinic Coordinat | 175 | PRV | 3 | pP/ PCT | GOOD | 4 | 20 | рСТ/ С | GOOD | pР | GOOB. | 13' | UnN | F. | GOOD | <u> </u> |
| Diversion Unit Directo | ¥ 225 | SEC | 3 | WP | GOOD | 3 | 10 | С | GOOD | AT | GOOD | 11' | ACC | F | FAIR | ¢. |
| Divers. Unit Counselor | | SEC | 6 | WP | GOOD | 3 | 10 | С | GOOD | AT | GOOD | 11' | ACC | F | FAIR | |
| Public Lobby | 505 | PUB | 35 | pP/ pCT | GOOD | 4 | 15 | T | GOOD | pР | GOOD | 13' | ACC | F | GOOD | |
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| ire courtroom? | Yes | Yes |
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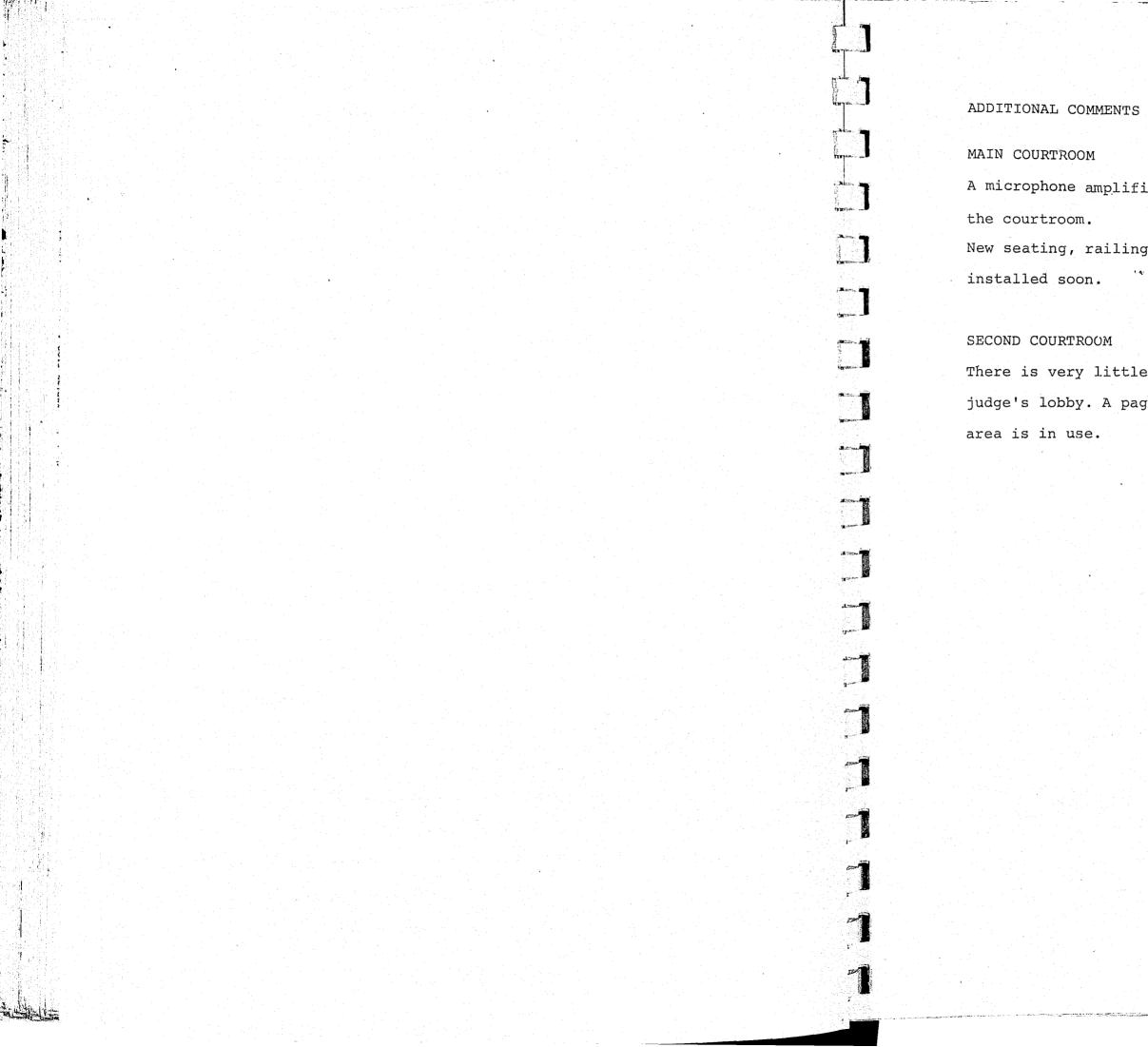
their usual locations

| ATTORNEYS (continued) ATTORNEYS (continued) Can Attorneys hear the Witnesses clearly? Approximately how far is the defendant Are Lawyer conference rooms conveniently COURT OFFICENS Do Court Officers have a designated blace in courtgoon? Are they near enough to defendant to prestrain hin? Is there a Court Officer located between dry 4 public? PROBATION OFFICENS Dertact Judic? PROBATION OFFICENS DEFENDANT Can the Defendant hear the Judge clearly? Can the Defendant hear the Attorneys clearly? Can the Defendant hear the Attorneys clearly? Can the Defendant hear the Attorneys clearly? Can the Defendant hear the Mitnesses clearly? Can the Defendant hear the Mitnesses clearly? Setters an alarm system? Dese the courtroom hew a blackboard? Can the courtroom hew a blackboard? Dese the court of the the set the the set the set the set the set the set the set the s | Main 2nd |
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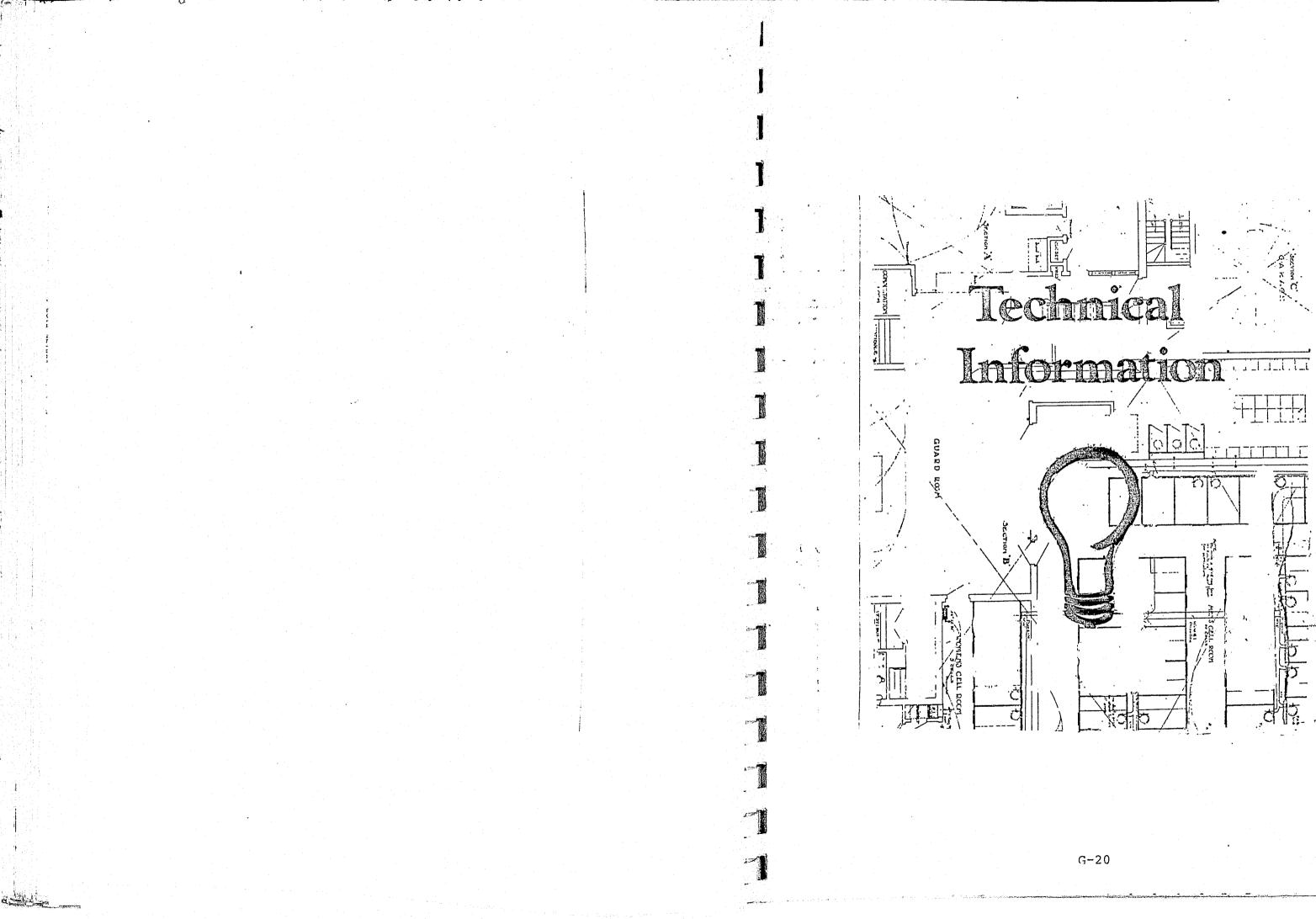
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A microphone amplification and recording system is in use in

New seating, railings and benches are scheduled to be

There is very little desk area here, and there is no judge's lobby. A paging system to the lobby waiting



ACOUSTICS

LIGHTING

The ratings for lighting acceptability are based upon ...

the accepted standards of light intensity as listed

in IES (Illumination Engineering Society), Mandbook***. These standards provide a comprehensive listing of the levels of light required for a multitude of tasks.

The standards specify required light levels, in foot candles. (One foot candle is defined as the intensity of the light produced by one candle at a distance of

of the room to read and record information. These conditions, as well as other factors affecting the lighting, such as special deficiencies or annoyances,

are noted when pertinent.

MMPGnALNFine is background noise; that is, man.average noise level attributed to sources such as air rushing through ventilators, outside street traffic noise, flourescent balast hum, and others.

The noise level, for this study, was measured in 'decibels on an A-weighted scale (dBA units). The A-weighted scale compensates for human hearing defiweighted scale compensates for human heating dell-clencius by adjusting the sound levels at each end of the addible frequency spectrum. For a detailed explan-ation of acoustic measurement, please refer to Sound Comprol Construction* 20 For comparison, a table of typical noise levels and optimum background sound levels follows.**

| an the second | Source/Room | Level (dBA) |
|---|--|--|
| Typical | Aircraft (mear plane) Person shouting Average conversation | 140 80 50 |
| Optimum | Conference room Private offices Large general offices Stenographic offices Courtroom | $\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$ |

Field measurement's were made with either of two Bruel & Kjaer sound level meters, models #2203 or #2206. These are equipped with microphones which are nearly omnidirectional. The frequency response for the #2206 is 4Hz to 16KHz ([±] 2dB). The frequency response specifications for the #2203 are quite lengthy. (Instruction manual has specifics).

Flutter Esho occurs when a sound wave bounces continually between two parallel, acoustically reflec-tive surfaces. The magnitude of the sound has to be at an audible level, and the time between bounces must be great enough to make the noises distinguishable as separate sounds. Flutter echo usually sounds like a series of short pings.

To estimate flutter echo, a researcher claps his hands, producing an impulse sound, and then listens for its presence.

Reverseration time is the duration of sound reflection in a space. It is defined as the time (in seconds) after a constant noise source ceases, that it takes for the original sound pressure level to decrease by one thousand (60 dB). The presence of flutter echo and reverberation times in this study were estimated

To estimate the reverberation time, a researcher coughs, producing a loud sound, and then listen: for the rate of decay of the cough.

*Sound Control Construction, Second edition, prepared by the United States Gypsum Co., Chicago, Illinois 1972,

**Sound Control Construction, except for the courtroom data, which was obtained from Mr. Robert Newman, Professor of Architecture, Massachusetts Institute of Technology

***Illuminating Engineering Society, IET Lighting Foribook, New York: McGraw-Hill, 1964

This section contains a table of acoustical and lighting measurements on selected rooms in the courthouse. When further explanation is needed, additional comments will follow the table.

ACOUSTICS

| son, the light | Arop to 100 footcand ting standards refer ace. The following tch is representativ | to light inter table of light | nsity 1 | | | , | |
|---------------------------------|--|-----------------------------------|---------------|----------------|----|--|--------|
| ivities, is an the IES Pandb | n extract of a "ore | exhaustive lis | | • | | | 200 |
| 100m | Function | Required OLight (Footcand | in the second | | | | NOLS |
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| is meter is co | ts are made with GE lor and cosine corre (accuracy ±15). | 213 light mete acted to give a | r. | | | | |

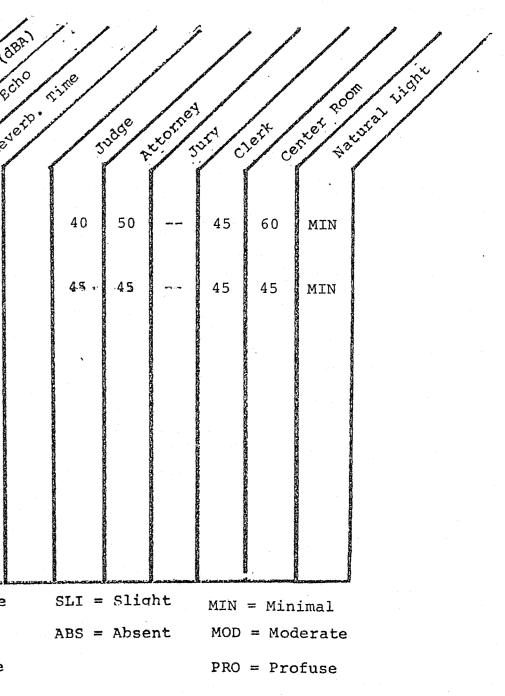
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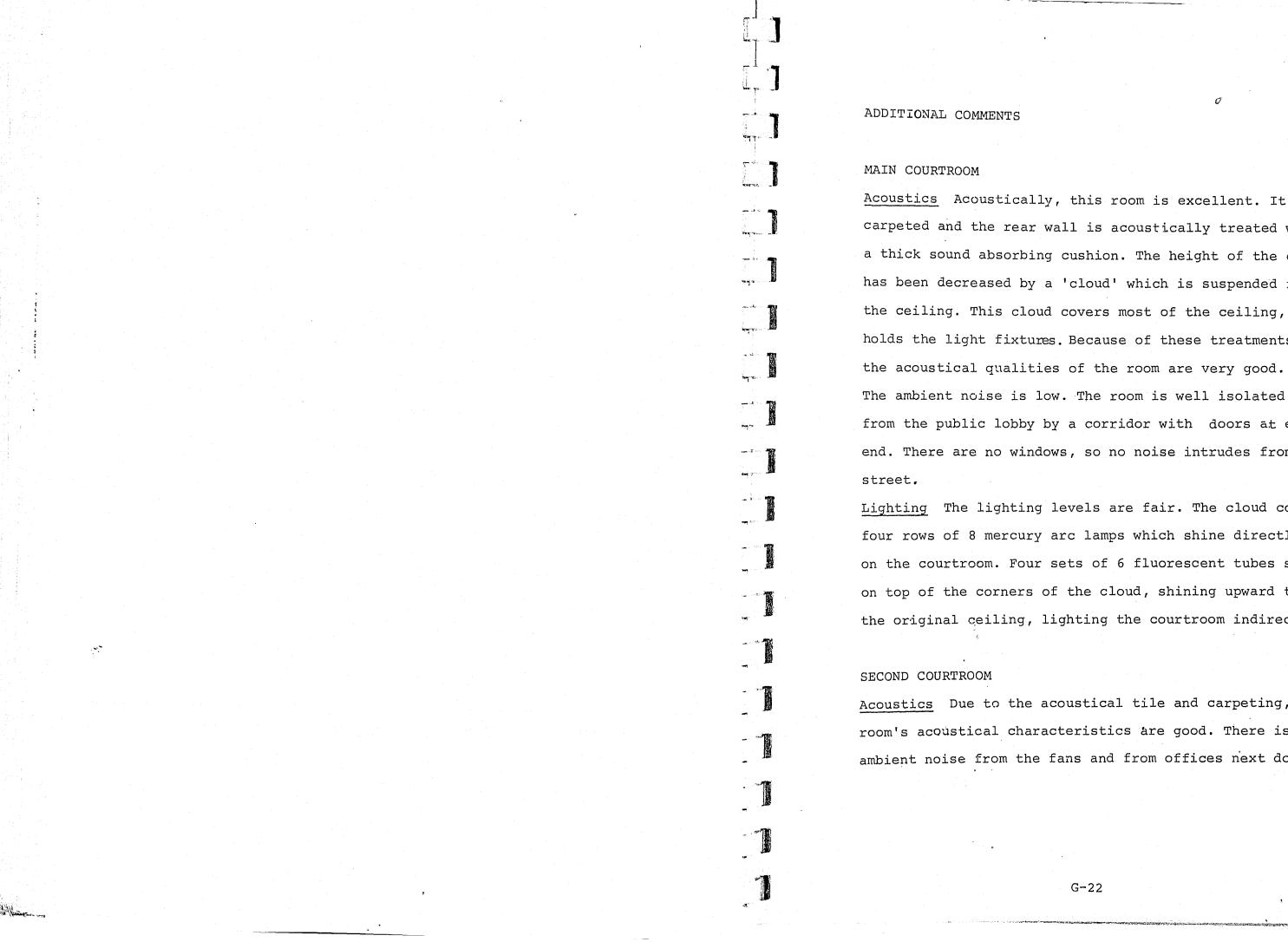
ACC = Acceptable

EXC = Excessive

NOT = Noticeable

LIGHTING LEVELS (ft. candles)





Acoustics Acoustically, this room is excellent. It is carpeted and the rear wall is acoustically treated with a thick sound absorbing cushion. The height of the ceiling has been decreased by a 'cloud' which is suspended from the ceiling. This cloud covers most of the ceiling, and holds the light fixtures. Because of these treatments, the acoustical qualities of the room are very good.

Ø

from the public lobby by a corridor with doors at either end. There are no windows, so no noise intrudes from the

Lighting The lighting levels are fair. The cloud contains four rows of 8 mercury arc lamps which shine directly on the courtroom. Four sets of 6 fluorescent tubes sit on top of the corners of the cloud, shining upward to the original ceiling, lighting the courtroom indirectly.

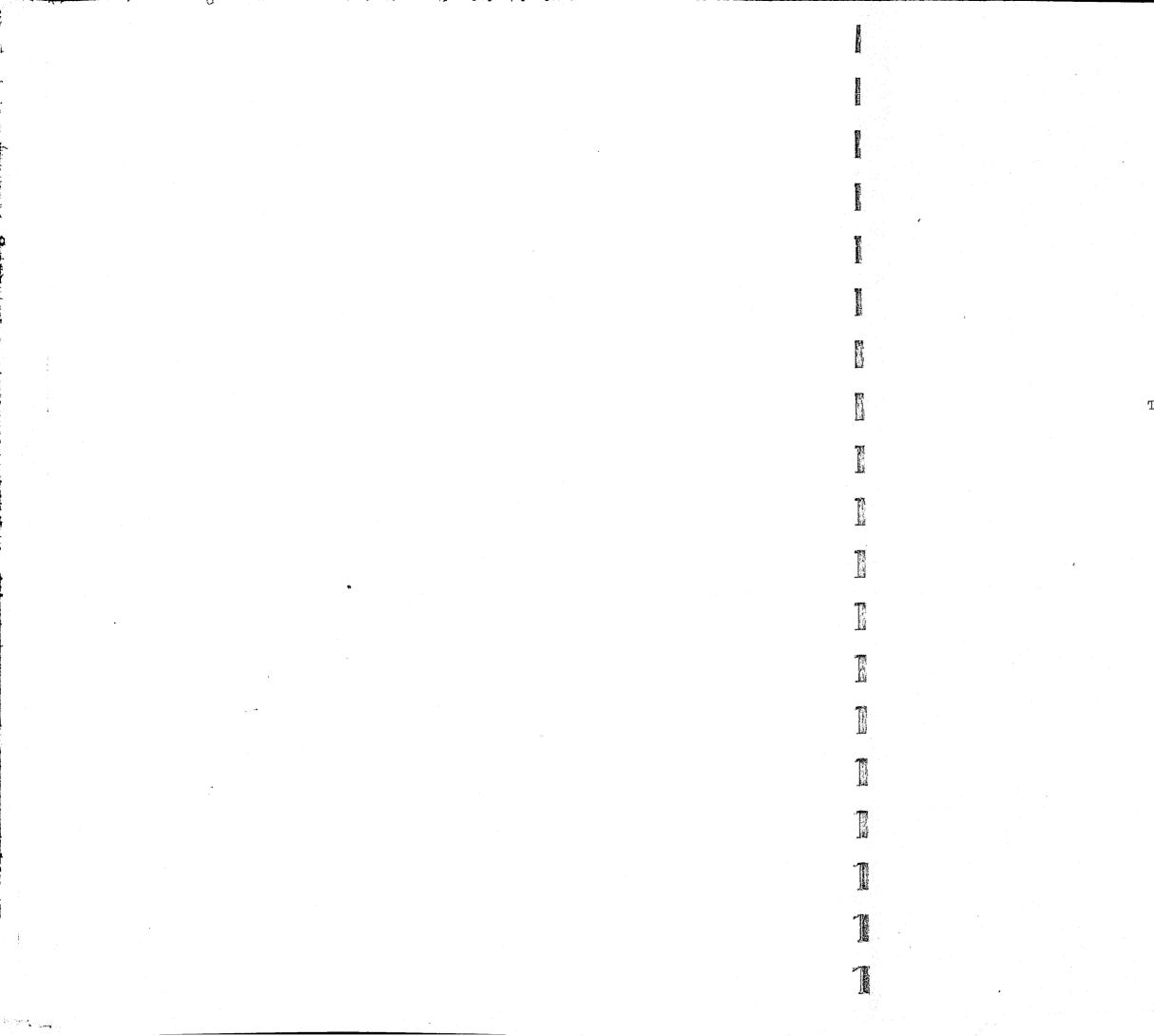
Acoustics Due to the acoustical tile and carpeting, this room's acoustical characteristics are good. There is some ambient noise from the fans and from offices next door.

ADDITIONAL COMMENTS, CONT.

SECOND COURTROOM it seem cold.

a charling

Lighting Two sets of fluorescent bulbs give this room a fair level of light. There are no windows and the color quality of the room combined with fair light levels make



THIRD DISTRICT COURT OF BRISTOL (NEW BEDFORD)

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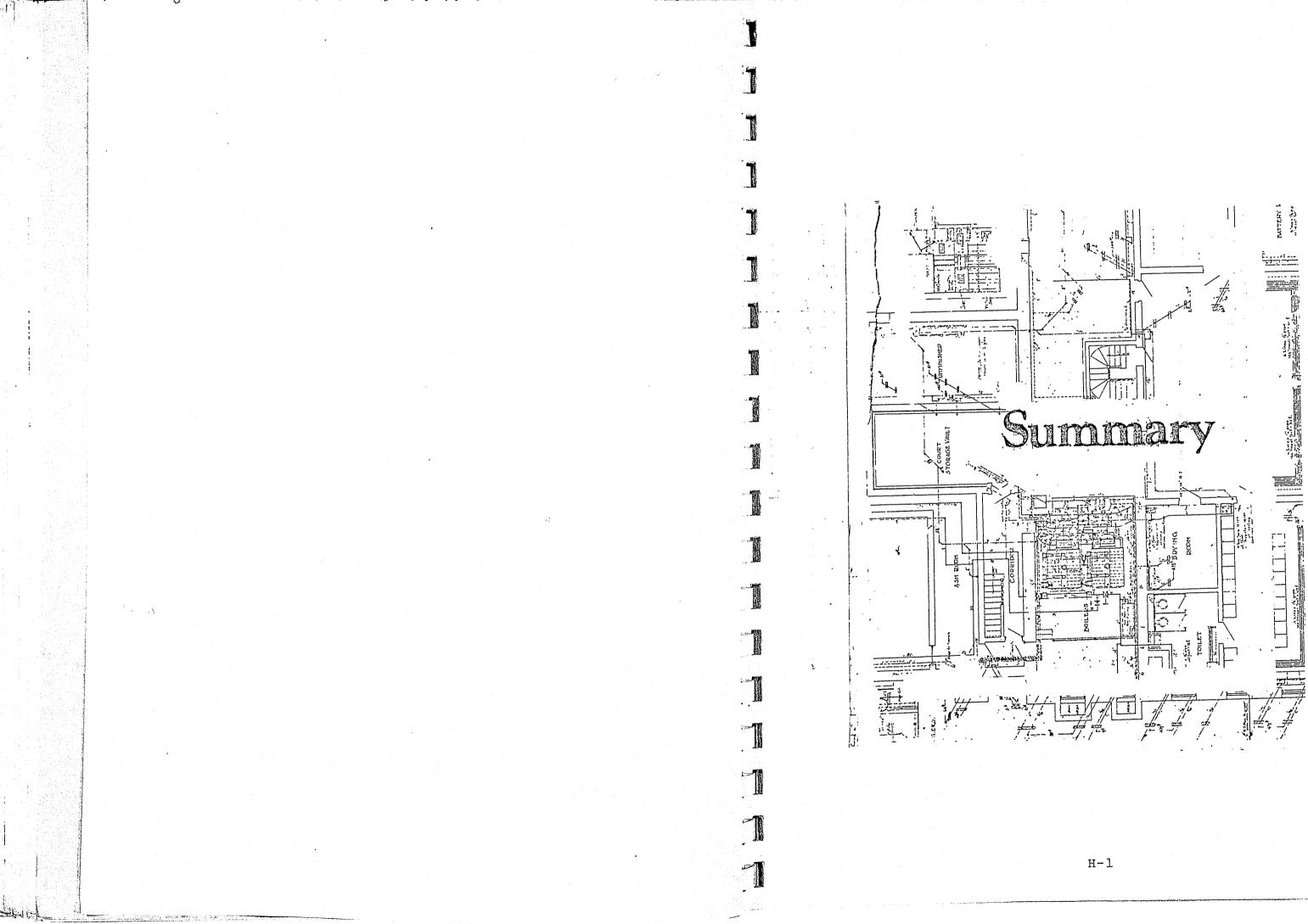
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The New Bedford District Court is in poor condition. The structure, building systems (heating, electrical and plumbing), and finish materials are in fair to good condition. However, many very important space deficiencies exist, making the court's present facilities inadequate. Usually three court sessions convene concurrently. There are only two rooms identified as courtrooms. A lawyer's conference room is used as a third courtroom. Only one judge's lobby is available to accommodate three to four judges. There is no seating in the public hallway, nor is there a waiting area. The Clerk and Probation departments are cramped+for space. There is no hearing room for use by the Clerk of Courts.

The lighting levels are poor in several areas, and are especially poor in all three courtrooms. The background noise in many rooms, including all courtrooms, is extremely high, due to air conditioner noise and loud conversations in the hallway.

l Interview with Mr. Jo Court.

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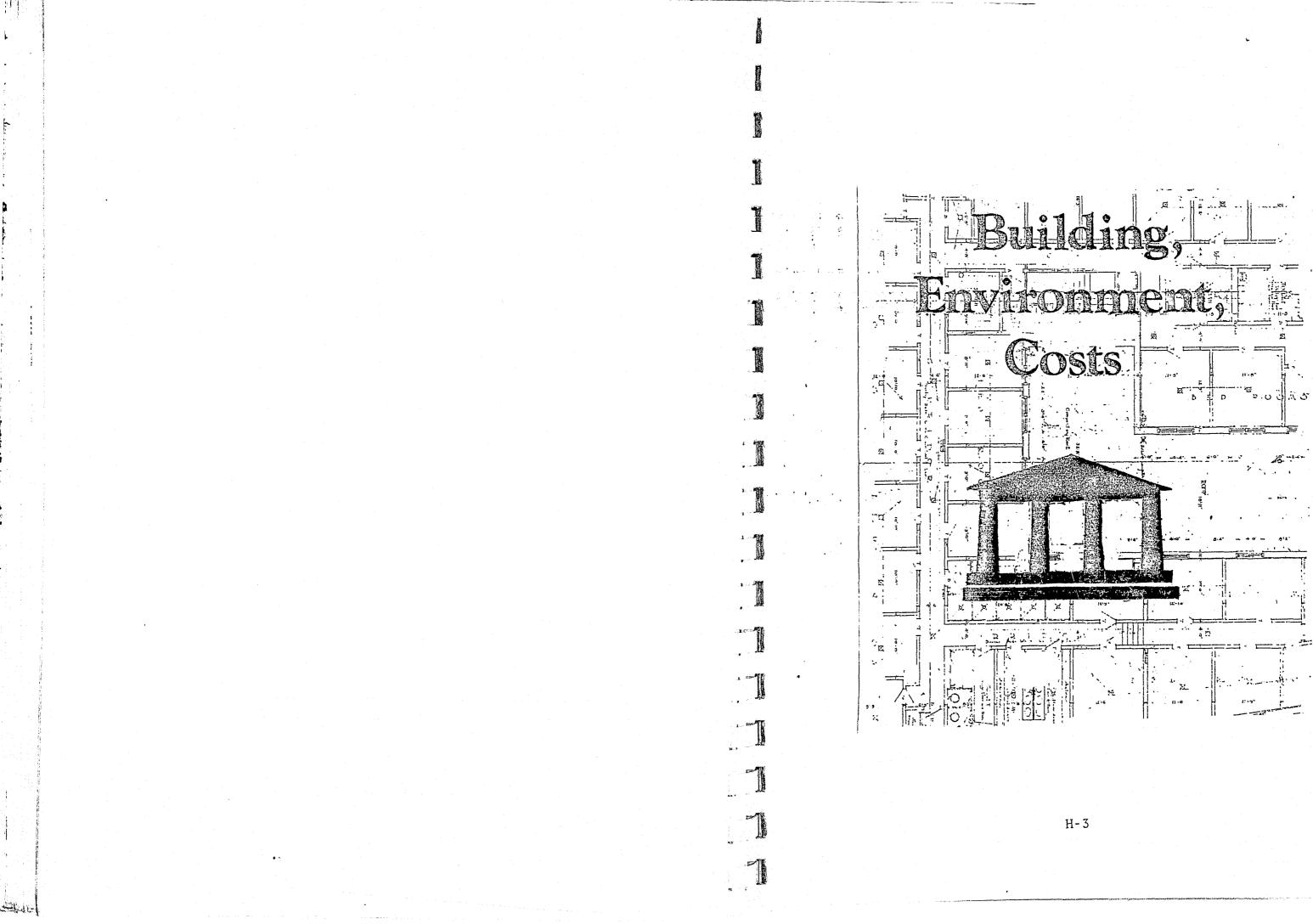
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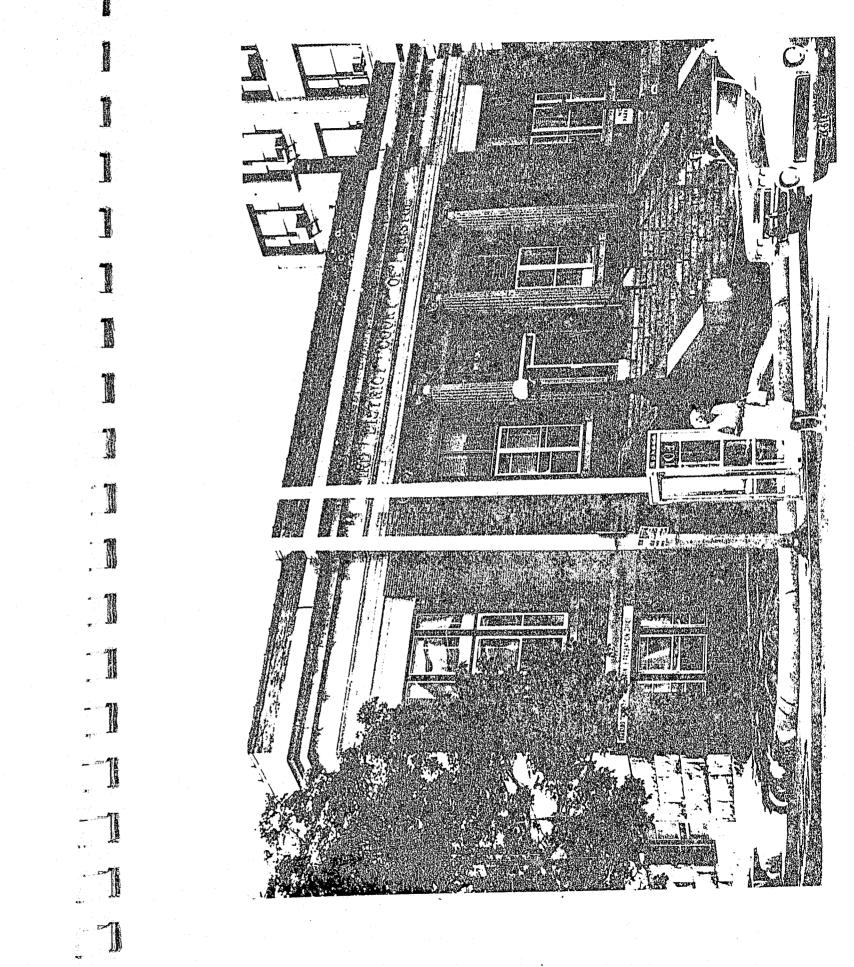
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Interview with Mr. Joe Lopes, Custodian, New Bedford District





ARCHITECTURE

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Description The building is a masonry, one-story structure. There are two entrances to the building. It is on a hill, so the basement shows above grade on the front end. Four columns flank each entrance. These are concrete, and support a concrete parapet. The building rests on stone foundations. The plan of the building is essentially rectangular, with some indentations. The roof is flat. There is a lawn in front of each of two entrances to the building and a few large trees by the rear entrance.

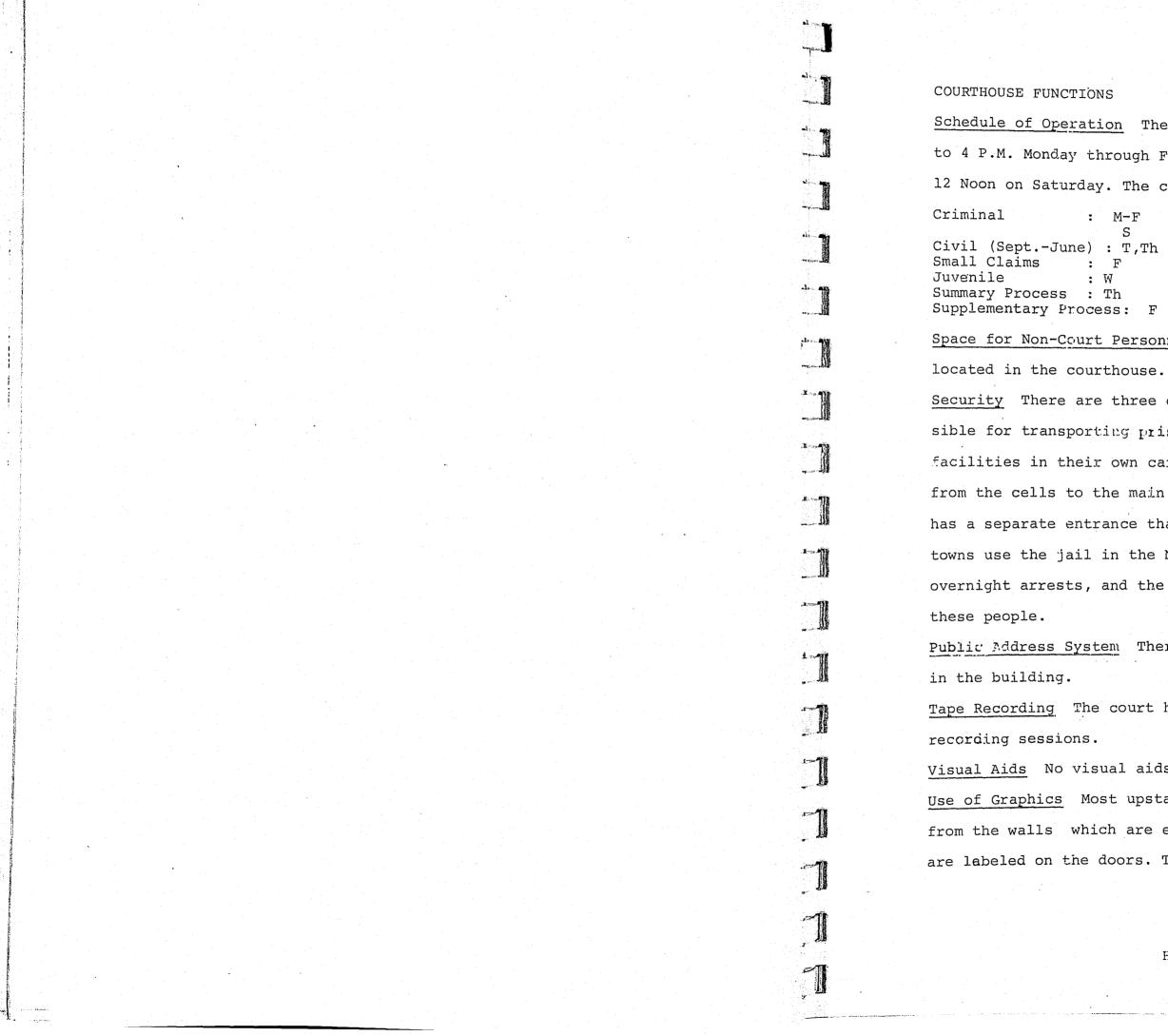
ing the courthouse are quite busy. public.

COMMUNITY SERVED, NEIGHBORHOOD, TRANSPORTATION

Population The district court serves the communities of New Bedford, Dartmouth, Fairhaven, Acushnet and Freetown. It also has joint jurisdiction with Fall River over Westport. The combined population of these areas, in-

cluding Westport, is 157,894 (Massachusetts 1971 Census). Neighborhood The courthouse occupies a half block in downtown New Bedford. All buildings surrounding the court are commercial or business offices. The streets surround-

Public Transportation A local New Bedford bus stops nearby the courthouse. There are also buses between Dartmouth and New Bedford, and between Fairhaven and New Bedford. Parking There are parking spaces reserved in the driveway for the judges, the clerk and the court officers. There are no other parking facilities designated for the court or the



Schedule of Operation The courthouse is open from 8:30A.M. to 4 P.M. Monday through Friday, and from 8:30 A.M. to 12 Noon on Saturday. The court schedule follows.

| M-F | Main & Second |
|------|---------------|
| S | Main |
| T,Th | Second, Third |
| F | Second |
| | Third |
| n | Second |
| s: F | Second |
| | |

Space for Non-Court Personnel No non-court personnel are

Security There are three court officers, who are responsible for transporting prisoners to and from the correction facilities in their own car. There is a secure stairway from the cells to the main courtroom, and the cell area has a separate entrance that leads to the garage. All towns use the jail in the New Bedford Police Station for overnight arrests, and the police are responsible for

Public Address System There is no public address system

Tape Recording The court has no facilities for tape

Visual Aids No visual aids are supplied by the court. Use of Graphics Most upstairs rooms have signs hanging from the walls which are easy to see. The courtrooms are labeled on the doors. The rooms downstairs are harder

They are rather easy to find.

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STRUCTURE

Custodian.

Structural System The structure is masonry bearing wall. The floors are steel framed with concrete slabs. There has been some roof leakage in the past, but this has been repaired. Air Conditioning There is no central air conditioning system. There are 19 window units in the courthouse. Heating An oil burning steam radiator system heats the building. There is one thermostat in the main corridor. The system is adequate, and there have been no problems.

to identify. Makeshift paper signs direct people to the Traffic Violations Room from the first floor. These rooms, however, are also accessible by a separate basement entrance, and there are signs outside this door. Rest Rooms The public rest rooms are in the basement. The men's room is adequate, but the women's room is small.

Functional Characteristics According to the present plan, the Juvenile Court offices will occupy space in the Registry of Deeds Building, but will hold sessions in the present District Courthouse. The juvenile judge will also have offices in the Deeds Building and, along with other court personnel and the public, will walk between the two buildings.

Qualitative comments contained, except where noted, in this section (STRUCTURE) were obtained from Mr. Joe Lopes,

Plumbing The plumbing is in good condition and adequate. Electrical System The wiring is in fairly good condition and the system is adequate. A separate circuit was recently added to , accommodate the air conditioners. Fire Protection and Detection There are 8 fire extinguishers in the building and there is a fire hose on each floor. There are three fire extinguishers visible and these are in the basement. Storage Storage spaces appear to be used to capacity. Some records are stored in the boiler room. Building Characteristics This building has many space deficiencies. There is only one Judge's Lobby, while there are three courtrooms and possibly as many as four judges at the court at one time. Three rooms are used as courtrooms, but the third is inadequate. A fourth session is held occasionally. The need for an adequate third courtroom is great. There is no seating in the hallway on the main floor, nor are there any waiting rooms. There are no lawyer conference rooms, unless the Third Session is not being used. Both the Clerk's and Probation Departments are cramped for space. The Clerk has no private space to conduct hearings. The C.P.O. shares his office with his assistants, and other P.O.'s have partitioned offices in another large room. The two rooms in the basement presently used by the Juvenile Probation Department will soon become the Court Clinic, when the Juvenile Court Offices complete their move into the

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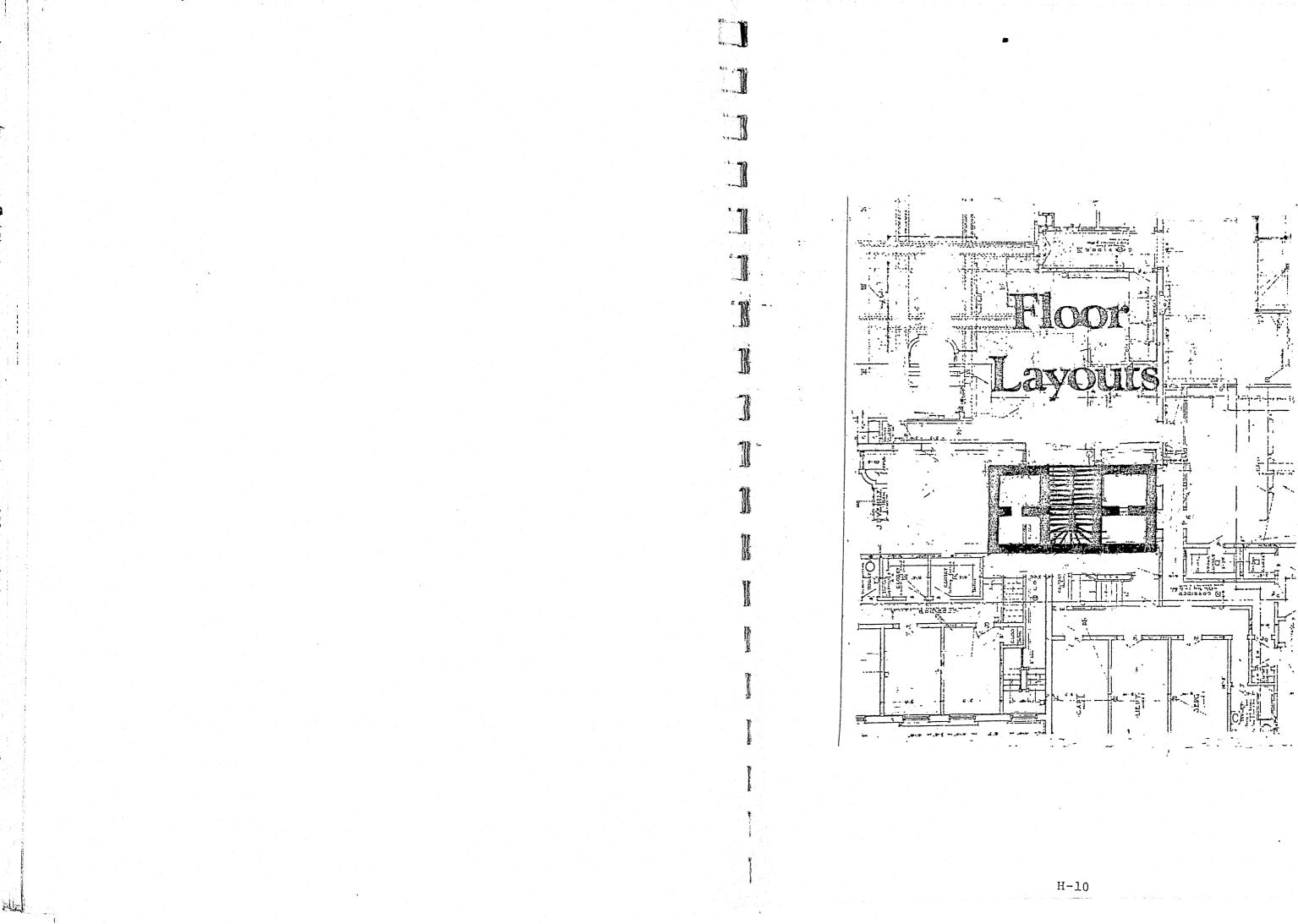
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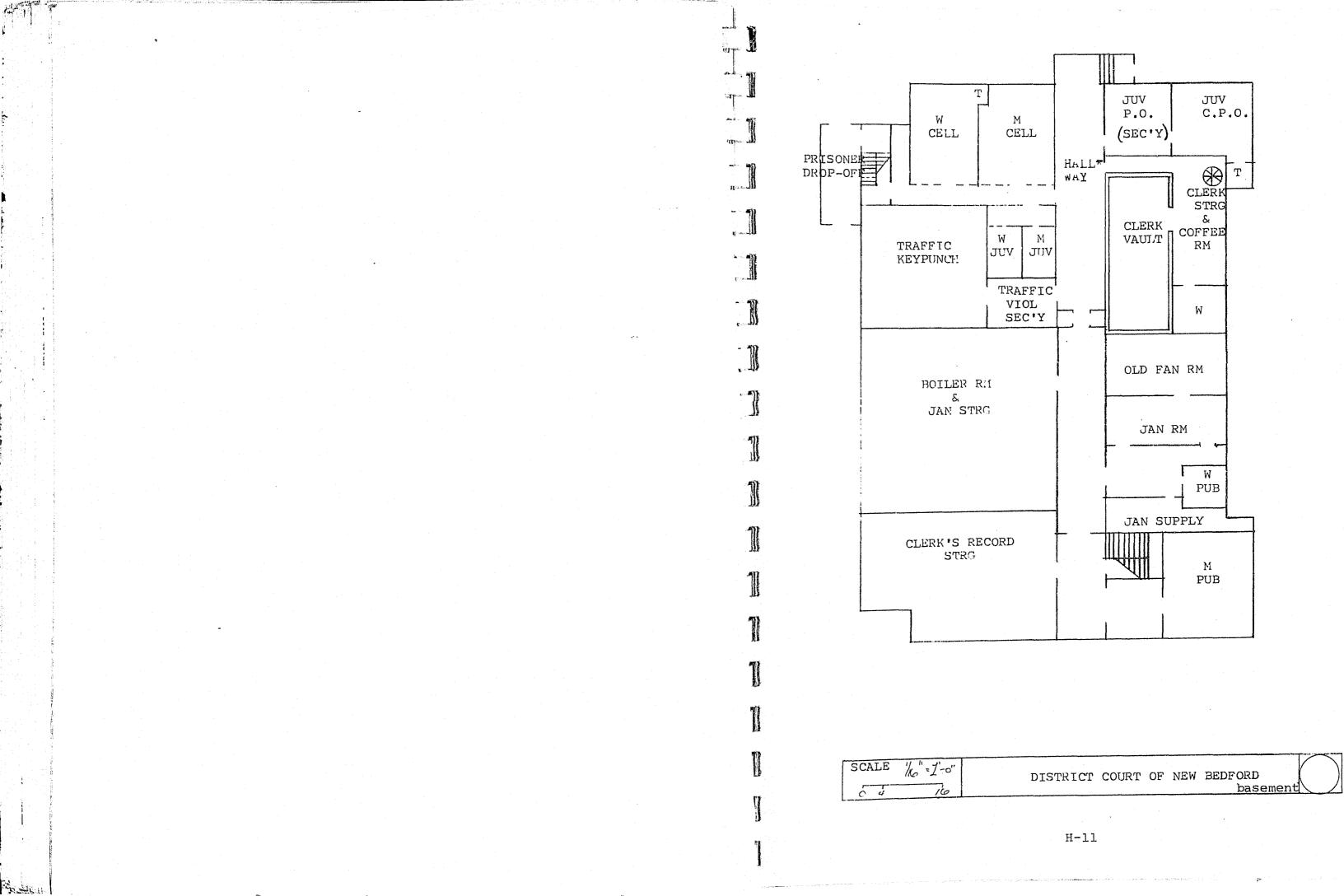
Registry of Deeds Building. The Adult Probation Department will take over the room now used by the Clinic, and this will alleviate some, but not all, space deficiencies in that department. ۰,

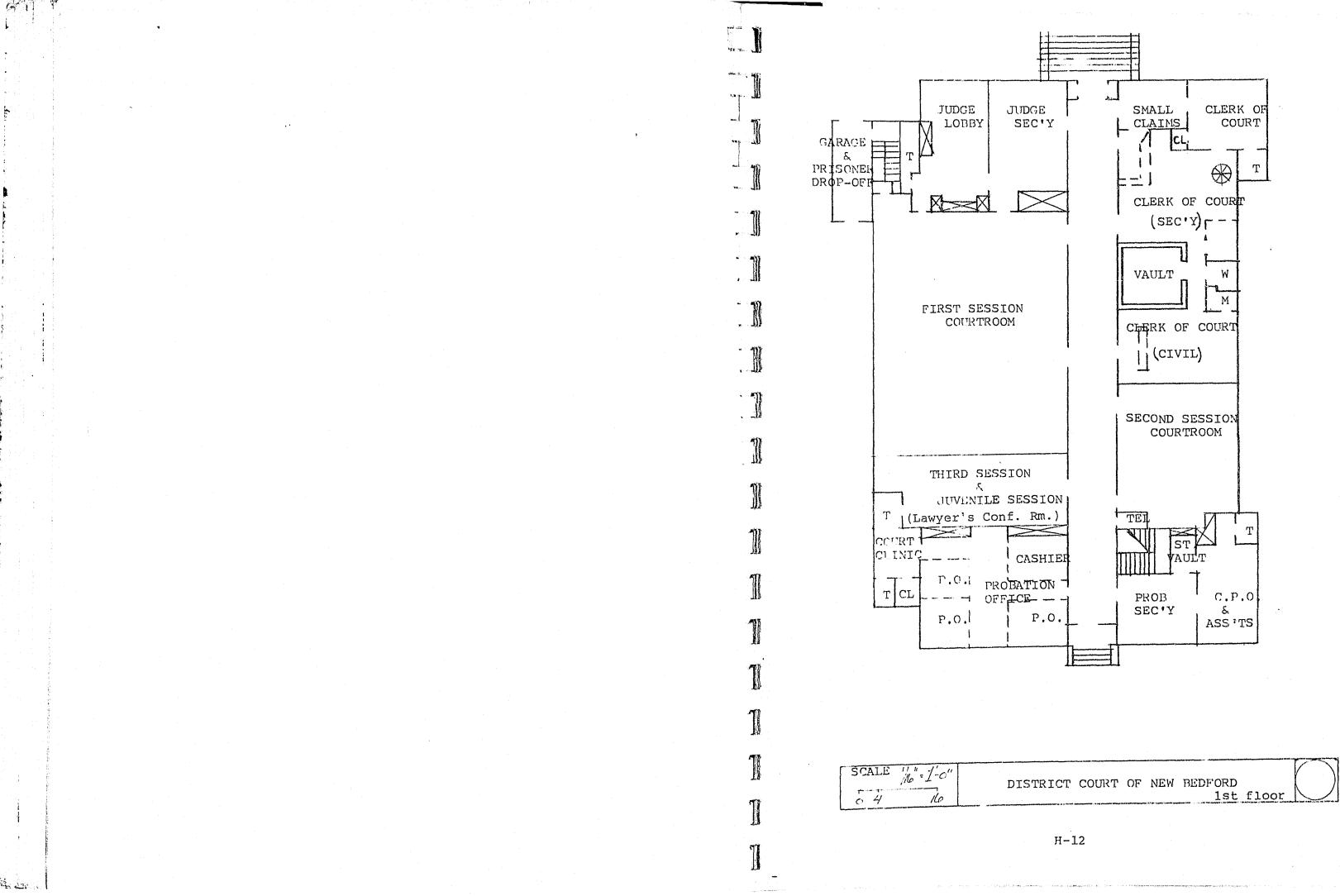
OPERATING AND MAINTENANCE COSTS The following information on costs was obtained from the Bureau of Accounting of the Commonwealth of Massachusetts. These are actual costs for the year 1972-73.

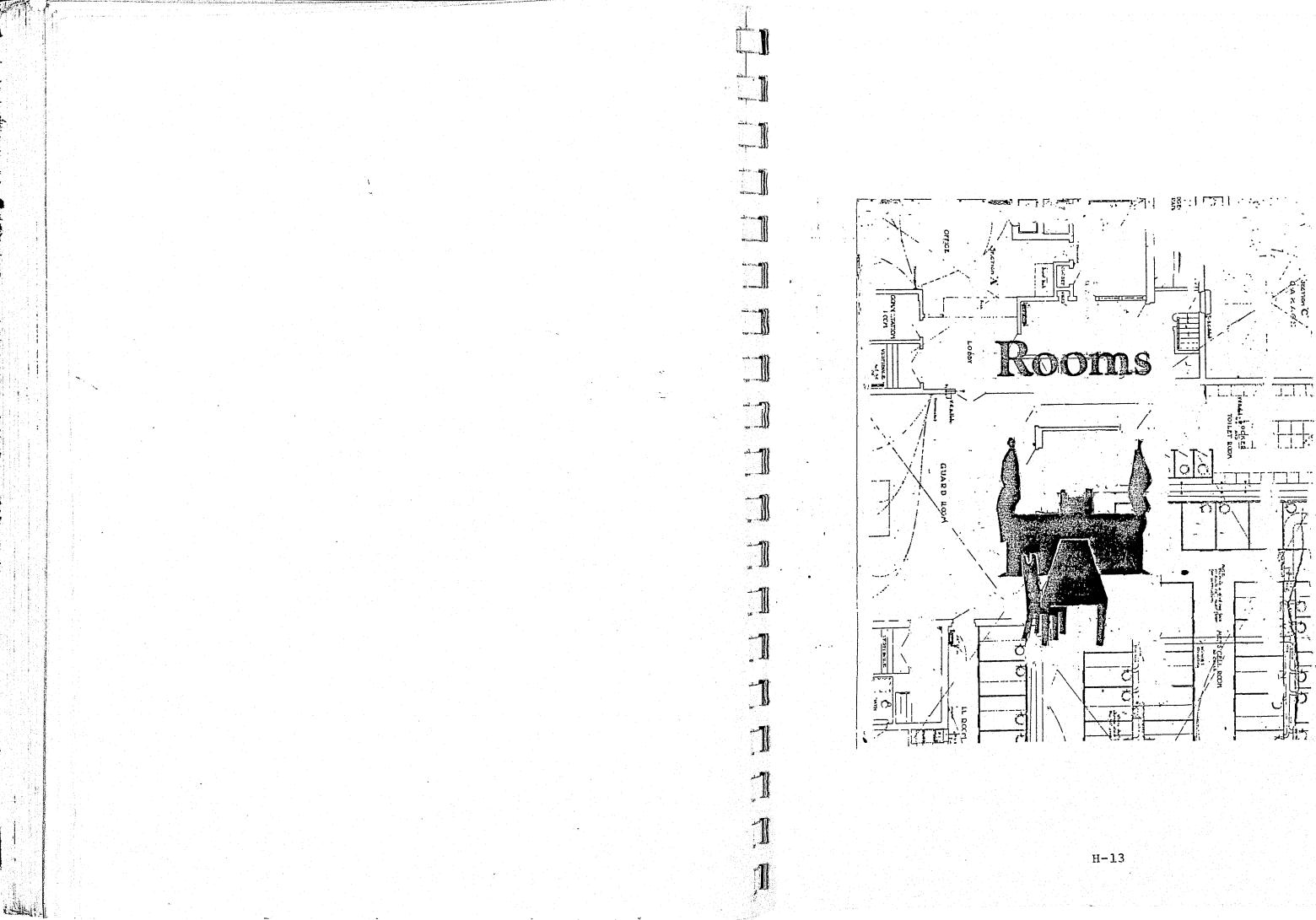
Light, Heat & Power General Maintenance & Repair Fuel Water

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Criteria Tone: A subjective evaluation of the color tone of the room based on the following rating scale: Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities sie surveyed for all of the information in the table on the facing page. (Square footage, type of access, finish, acoustics, etc.) Drab and Austere Eright and Cheerful Parcent (%) of Windows: The approximate percentage of the total wall area of the room which is composed of glass. Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage. Height: The floor to cailing height. ACOUSTICS The acceptability of the acoustics of each room is based upon measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter echo and reverberation time). Other areas such as closets, restrooms, elevators and stairways are not surveyed at all. · , Definitions Explanation Rating Acceptable: Noise level and reverberation time are Acc within standards for each room function; flutter echo is absent or slight. Total floor area including work space, circulation space, and AREA . storaga in square foot. . Unacceptable: Noise level exceeds standard or inter-fores with room function. ACCESS The degree to which public entry into a room is restricted. Un N Explanation Unacceptable: Noticeable flutter echo or excessive reverberation time. Symbol Un R Public: Access is unrestricted to general public. pup . Private: Access is partially restricted by means of Unacceptable: Both Un M and Un R Prv Un NR doors, counters, or graphics. Secure: Access is restricted by guard, receptionist. LIGHTING Type: Refers to type of light fixtures in the room. Sec or locked doors, NUMBER OF USERS The estimated scating capacity of a room for users and spectators, based upon curront furnishing. I - Incandescent , I/F - Combination incardescent/ F - Fluorescent fluorescent Level: Ratings of the acceptability of light in the room are based upon comparisons between the measured light levels (in FINISH Mitepfain (Mat): footcandles) and the accepted standards of light requirements for the functions performed in the room.* Fragtada Colloo Rating Explanation Light levels for all functions of the room exceed Good p - painted ABT - Asbestos Tile - Stone CS - Cork S or equal accepted standards. g - glazad AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound t - textured AT - Acoustic Tile CT - Concrete Absorb B - Brick C - Glass T - Terras Absorbing Light levels for some functions are standard; Fair - Terrazzo others are substandard. BC - Bookcase - Motal ν - Vinyl М Poor Eight levels for all functions are substandard. W - Wood C - Carpot P - Plaster CB - Concrete Block PR - Paper WP - Wood AIR CONDITIONING The synks indicate the type of air Paneling Condition (Condin): conditioning, if present, is the second Explanation Symbol Explanation Rating No air conditioning present. N Continued Condition of surface shows no sign of damage. Good C Central air conditioning. preventive maintenance is sufficient to maintain this condition. W Window air conditioning units. Condition of surface indicates some damagor. "Himtles in scale sopairs and corrective maintenance are necessary to retard detarioration of condition. Room als-pandlelaning units Palr n (n) W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W. toor Condition of surface indicatos severs damage. Large ngale corrective maintanance in magessary, to prevent complete less of the finish. وفية المنصور العالية. وفية المنصور العالية

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| BASEMENT | | | | | | | | | | | | | | | | |
| Clerk of Ct. Storage & Coffee Room | 260 | PRV | | | | | • | | | | | | | | | |
| Clerk Vault | 280 | SEC | | | | | | | | | | | | • | | |
| Juv.P.O.(sec'y) | 195 | PUB | 3 | WP | GOOD | 2 | 0 | v | GOOD | АТ | GOOD | 8' | ACC | F | FAIR | N |
| Juv.C.P.O. | 225 | SEC | 6 | WP | GOOD | 3 | 10 | v | GOOD | AT | GOOD | 8' | UnN | F | GOOD | N |
| Traffic Viol.(sec'y) | 140 | PRV | 3 | pB/ pP | GOOD | 4 | 0 | v | GOOD | AT | GOOD | 8' | ACC | F | GOOD | _N |
| Traffic Keypunch | 620 | SEC | 2 | pB/ pP | GOOD | 5 | 5 | v | GOOD | AT | GOOD | 8' | ACC | F | GOOD | 2W |
| Boiler Room & Janitor Storage | 1440 | PRV | | | | | | | | | | | | | | |
| Janitor Room | 240 | PRV | 9 | ₿ [₿] ∕ | GOOD | 3 | 5 | ·CT | FAIR | рСТ | GOOD . | 10' | ACC | F | GOOD | Ŋ |
| Janitor Supply | 135 | PRV | | | | | | | | | | | • | | | |
| Clerk's Record Stor. | 980 | SEC | | | | | | | | | | | | | | |
| Women's Cell | 240 | SEC | 9 | pB, pM | FAIR | 1 | 0 | Ст | FAIR | рСТ | GOOD | 10' | ACC | | POOR | N |
| Men's Cell | 320 | SEC | .6 | pB; pM | FAIR | 1 | 0 | СТ | FAIR | рСТ | GOOD | 10' | ACC | | POOR | <u>N</u> |
| Juvenile Cells | 70/ea | SEC | 12 | pB, pM | FAIR | 1 | 0 | СТ | FAIR | м | GOOD | 71 | ACC | | POOR | N |
| Hallway | 440 | PUB | 30 | | GOOD | 3 | 0 | v | FAIR | AT | GOOD | 8' | ACC | F | GOOD | N |
| | | | | ••• | | | | | | | | | | | • | |
| | | | | | | | | | | | | | | | | |

| Criteria | <i>fone:</i> A subjective evaluation of the color tone of the room based on the following rating scale: |
|--|--|
| Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for | Bright and CheerfulDrab and Austere54321 |
| all of the information in the table on the facing page, (square footage, type of access, finish, acoustics, etc.) | Parcent (%) of Windows: The approximate percentage of the total wall area of the room which is composed of glass. |
| Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage. | <i>Height:</i> The floor to ceiling height. |
| Other areas such as closets, restrooms, elevators and stairways are not surveyed at all. | ACOUSTICS The acceptability of the acoustics of each room is bas |
| | ·upon measurements of ambient noise level (dbA), and upon reverber, characteristics (flutter echo and reverberation time)." |
| Definitions | Rating Explanation |
| AREA Potal floor area including work space, circulation space, and storage in square feet. | Acc Acceptable: Noise level and reverberation time are within standards for each room function; flutter ocho is absent or slight. |
| ACCESS The degree to which public entry into a room is restricted. Symbol Explanation | Un N Unacceptable: Noise level exceeds standard or inter feres with room function. |
| Pub Public: Access is unrestricted to general public. | Un R Unacceptable: Noticeable flutter echo or excessive reverberation time. |
| Prv Private: Access is partially restricted by means of doors, counters, or graphics. | Un NR Unacceptable: Both Un N and Un R |
| Sec Secure: Access is restricted by guard, receptionist, or locked doors. | LIGHTING ; Type: Refers to type of light fixtures in the room. |
| NUMBER OF USERS The estimated seating capacity of a room for users and spectators, based upon current furnishing. | I - Incandescent I/P - Combination incandescent/ F - Fluorescent fluorescent |
| FINISH <u>Materials (Mat)</u> : | Level: Ratings of the acceptability of light in the room are based upon comparisons between the measured light levels (in footcandles) and the accepted standards of light requirements for the functions performed in the room.* |
| Profixed Coles | Rating Explanation |
| p - painted ABT - Asbestos Tile CK - Cork S - Stone q - q_{cost} AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound | Good Light levels for all functions of the room exceed or equal accepted standards. |
| t - tostured AT - Acoustic Tile CT - Concrete Absorbing B - Brick G - Glass T - Terrazzo BC - Bookcase M - Metal V - Vinyl | Fair Light levels for some functions are standard; others are substandard, |
| C - Carpet P - Plaster W - Wood CB - Concrete Block PR - Paper WP - Wood | Poor Light levels for all functions are substandard. |
| Condition (Condtn): Paneling. | AIR CONDITIONING The symbols indicate the type of air conditioning, if present, in the room. |
| Rating Explanation | Symbol Bxplanation |
| Good Condition of surface shows no sign of damage. Continued | N No air conditioning present. |
| preventive maintenance is sufficient to maintain this | C Central air conditioning. |
| condition. | W Window air conditioning units. |
| Fair Condition of surface indicates some damage. Small scall equirs and corrective maintenance are necessary to retard deterioration of condition. | R Room air-conditioning units |
| Poor Condition of surface indicates severe damage. Large scale corrective maintenance is pacessary to prevent complete loss of the finish. | (n)W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W. |
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The second

FINISH , sq. ACC-US-ft.)ESS FPC AREA FLOORS WALLS CEILINGS LIGHTING US-ERS MatCondtn Tone WindMat Condtn MatCondtn Ht ACOU-AIR ROOM STICS Type Level COND FIRST FLOOR GOOD PRV 4 GOOD 4 15 С GOOD \mathbf{pP} GOOD 15' UnN \mathbf{F} lW 240 pР C.P.O. & Ass'ts 5 10 С GÓOD 15' F lW PRV pР GOOD 4 pР GOOD UnN FAIR 225 Probation (sec'y) Probation record & SEC 40 Storage Vault

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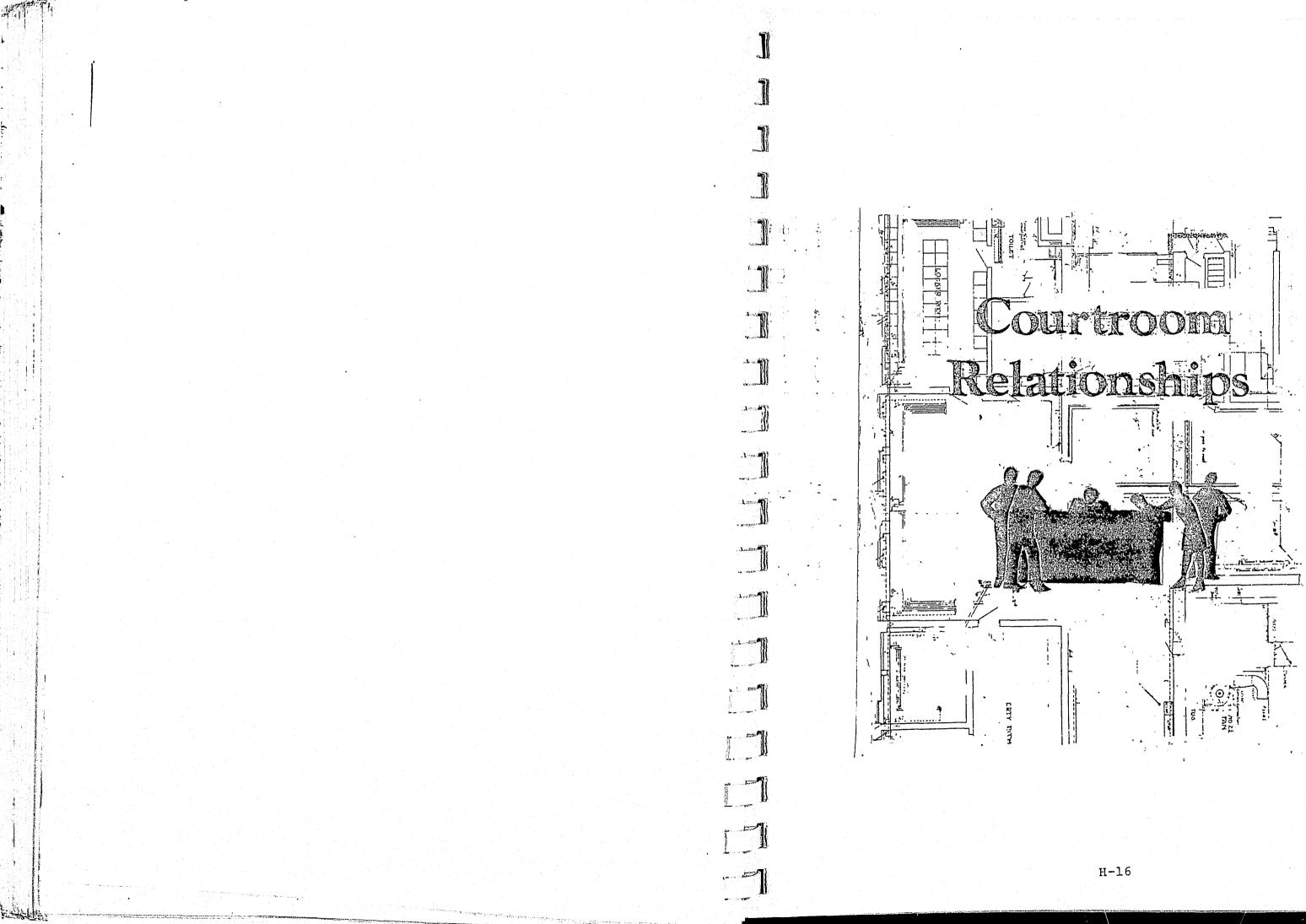
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| | P.O.'s & Probation Cashier | 660 | PUB, PRV | 17 | pР | GOOD | 4 | 10 | С | GOOD | pР | GOOD | 15' | UnN | F | GOOD | 2W |
|------|-----------------------------------|------|-------------|-------|------------|------|----|----|---|--------|---------|--------|-----|------|----------|------|----|
| | Court Clinic | 100 | PRV | 3 | pР | GOOD | 3 | 10 | С | GOOD | AT | GOOD | 10' | UnN | F | GOOD | lW |
| | Juvenile session & 3rd Session | 500 | PUB | 28 I | P/BC WP | FAIR | 2 | 1 | v | FAIR | АТ | GOOD | 15' | UnN | F | POOR | 2₩ |
| H-15 | 2nd Session | 655 | PUB | | рР | GOOD | 2 | 15 | v | FAIR | pP | GOOD | 15' | UnN | I | POOR | 2₩ |
| ហ | lst Session | 1920 | PUB | 130 | p₽∕ ₩₽ | FAIR | 2 | 10 | С | GOOD I | P/ G | FAIR · | 25' | UnNR | I | POOR | 3W |
| | Civil Clerk of Ct. | 335 | PUB, PRV | | рР | GOOD | 2. | 10 | C | GOOD | pР | FAIR | 15' | ACC | F | POOR | lw |
| | Crim.Cl.of Ct.sec'y | 530 | PUB PRV | | ٩a | GOOD | 3 | 5 | ¢ | GOOD | рР | POOR | 15' | ACC | F | FAIR | lW |
| | Clerk of Court | 225 | PRV | 10 | pP/ BC | GOOD | 2 | 25 | | GOOD | pP | POOR | 15' | UnN | F | GOOD | 1W |
| | Clerk of Ct. Vault | 100 | SEC | | | | | | | | | | | | | | |
| Ī | Small Claims | 140 | PRV | 3 | pP · | GOOD | 2 | 15 | С | GOOD | рР | POOR | 15' | ACC | F | GOOD | N |
| | Judge's Sec'y | 350 | PRV | 7 | pP/ BC | GOOD | 2 | 10 | С | GOOD | pР | GOOD | 15' | UnN | F | GOOD | 1W |
| | Judge's Lobby | 330 | SEC | 6 | pPWI BC | GOOD | 3 | 15 | с | GOOD | pР | POOR | 15' | UnN | F | GOOD | lw |
| | | | | . | ļ | - | | | | | ļ | | | | <u> </u> | | |



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| | | | | |
| | | | | |
| | | Main | | 3rd |
| | | Ctrm. | Session | Session |
| JUI | | | | |
| | DGE . | | · · · · · · · · · · · · · · · · · · · | |
| | n the Judge see the entire courtroom? | Yes | Yes | . Yes |
| Car | n the Judge hear the Witnesses clearly? | Yes | Yes | Yes |
| Car | n the Judge hear the Attorneys clearly?* | Yes | Yes | Yes |
| | | | | |
| | the Judge's lobby adjacent to the urtroom? | Yes | No | No |
| Is | there a bathroom in the Judge's lobby? | Yes | | ļ |
| | the Judge's lobby private? | Yes | | |
| | the Tudente lebbu secure? | Yes | | |
| | the Judge's lobby secure? | | - | |
| JUF | | | | |
| 256 | at size jury can the courtroom comodate? | No jury I | lo jury | No jury |
| App | proximately how far are jurors from blic? | | | |
| Apr | proximately how far are jurors from | | | |
| lit | tigants? n the Jurors see Witnesses at full | | | |
| fac | ce? | | | |
| Can | n the Jurors see the Judge at full face? | | | · · · |
| Can | n the Jurors see the Prosecutor & | | | |
| A TO | fense Attorney?* e Jurors on same side of Judge as | | | |
| Wit | tnesses? | | | |
| Can | n the Jurors hear Attorneys clearly?* | | | |
| WIT | TNESSES | | | |
| | n Witnesses see Judge & Attorneys? | | | |
| | | Yes | Yes | Yes |
| | es the Witness Box have a microphone? | Yes | No | No |
| ATT | FORNEYS | | | |
| Car | n Attorneys see the Jury? | | | |
| | | N.c | | V |
| | n Attorneys hear the Judge clearly? | Yes | Yes | Yes |
| | When Attorneys are in their usual location | ons | | |
| | | • • | | |
| | H-17 | | ••• | |
| er and the second s | | | e | |

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| | | |
| | 6-2 . | ATTORNEYS (continued) |
| | Ĩ | Can Attorneys hear the With |
| | | Approximately how far is the from counsel? |
| | | Are Lawyer conference room: located? |
| | (IF | COURT OFFICERS |
| | | Do Court Officers have a de place in courtroom? |
| | R | Are they near enough to deprestrain kim? Is there a Court Officer le |
| | 18 | Jury & public? Is a Court Officer located protect Judge? |
| | 1 | PROBATION OFFICERS |
| | | Is there a space for the Pr Officer and his records? |
| | | DEFENDANT |
| | | Can the Defendant hear the |
| | <u>I</u> | Can the Defendant hear the clearly?* |
| | | Can the Defendant hear the clearly? |
| | | GENERAL |
| | | Is there an alarm system? |
| | | Does the courtroom have a h |
| | | Can the courtroom be darker aids? |
| | 1 | Is there a clock? |
| | | PUBLIC |
| | T | Is the Public seating comfo |
| | | Does the press sit in the p |
| | | |
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| Main Ctrm. | 2nd Session | 3rd Session |
|---------------|---|---|
| | | |
| Yes | Yes | Yes |
| 15' | 10' | 3' |
| No | No | No |
| | | |
| Yes | Yes | No |
| Yes | Yes | Yes |
| • | | |
| Yes | Yes | No |
| | | |
| Yes | Yes | No |
| | | |
| Yes | Yes | Yes . |
| Yes | Yes | Yes |
| Yes . | Yes | Yes |
| | | |
| No | No | No |
| Yes | Yes | Yes |
| Yes | Yes | Yes |
| Yes | Yeş | NO |
| | | · |
| Yes | Yes | Yes |
| No | Yes | Yes |
| | Ctrm. Yes 15' No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | Ctrm. Session Yes Yes 15' 10' No No Yes Yes Yes Yes |

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ADDITIONAL COMMENTS

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MAIN COURTROOM one corner of the room as an office.

SECOND SESSION

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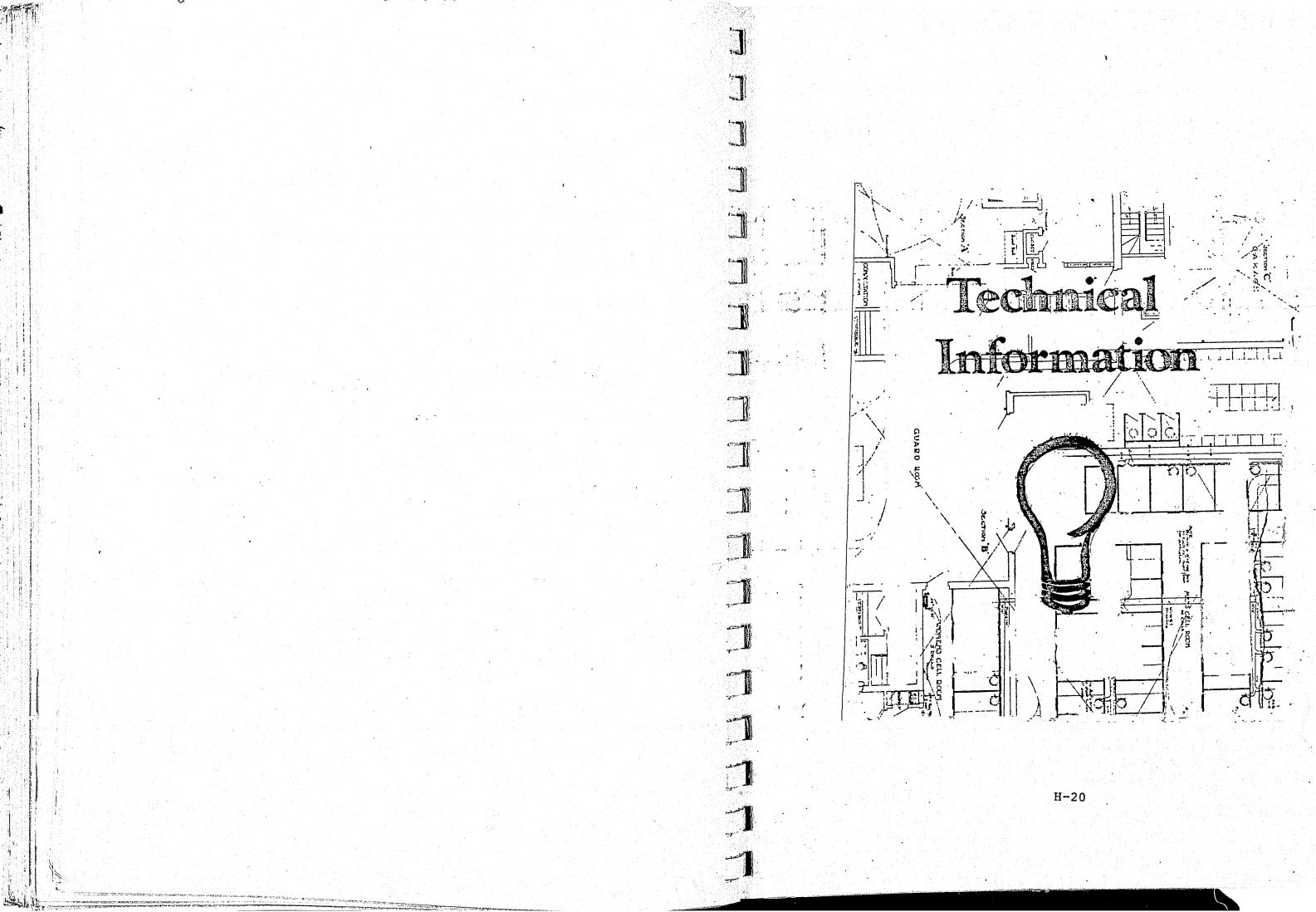
THIRD SESSION

This courtroom was built as a lawyer's conference room from the back end of the main courtroom. It now has to be used as another courtroom. It is very small and therefore inadequate. There is a bathroom in the back of the room (for when the room is used by lawyers).

This is a fairly large courtroom. The prosecutor uses

There is a buzzer system from the judge's bench to the Clerk's office. There is also a buzzer from the judge's lobby to the courtroom to summon the court officer.

This is a small courtroom. The defendant, if in custody, sits on a bench to one side, handcuffed to the court officer. There is a telephone, with a light, on the probation officer's



ACOUSTICS

Whith Sont Morine is background noise; that is, an average noise level attributed to sources such as air rushing through ventilators, outside street traffic noise, flourescent balast hum, and others.

The noise letel, for this study, was measured in decibels on an A-weighted scale (dBA units). The Aweighted scale compensates for human hearing deficiencies by adjusting the sound levels at each end of the audible frequency spectrum. For a detailed explan-ation of acoustic measurement, please refer to Sound Constrol Construction* For comparison, a table of typical noise levels and optimum background sound levels follows.**

| | | • | |
|---------|--|----------|-------------------------------|
| | Source/Room | | Level (dBA) |
| Typical | Aircraft (near plane) Person shouting Average conversation | . | 140 80 50 |
| Optimum | Conference room Private offices Large general offices Stenographic offices Courtroom | | 35 - 45 45 - 60 35 - 45 |

Field measurements were made with either of two Bruel & Kjaer sound level meters, models #2203 or #2206. These are equipped with microphones which are nearly omnidirectional. 'The frequency response for the #2206 is 4Hz to 16KHz ([±] 2dB). The frequency response specifications for the #2203 are guite lengthy. (Instruction manual has specifics).

Fluster Echo occurs when a sound wave bounces continually between two parallel, acoustically reflec-tive surfaces. The magnitude of the sound has to be at an audible level, and the time between bounces must The great enough to make the noises distinguishable as separate sounds. Flutter echo usually sounds like a series of short pings.

To estimate flutter acho, a researcher class his hands, producing an impulse sound, and then listens for its presence. :

Revertcration time is the duration of sound reflection in a space. It is defined as the time (in seconds) after a constant noise source ceases, that it takes for the original sound pressure level to decrease by one thousand (60 dB). The presence of flutter echo and reverberation times in this study were estimated

To estimate the reverberation time, a researcher coughs, producing a loud sound, and then listens for the rate of decay of the cough.

*Sound Control Construction, Second edition, prepared by the United States Gypsum Co., Chicago, Illinois 1972.

**Sound Control Construction, except for the courtroom data, which was obtained from Mr. Robert Newman, Professor of Architecture, Massachusetts Institute of Technology

***Illuminating Engineering Society, IET Lighting Handbook, New York: NeGraw-Hill, 1964

LIGHTING

The ratings for lighting acceptability are based upon the accepted standards of light intensity as listed in IES (Illumination Engineering Society) Mandbook*** These standards provide a comprehensive listing of the sa levels of light required for a multitude of tasks.

The standards specify required light levels in foot candles. (One foot candle is defined as, the intensity of the light produced by one candle at a distance, of one foot). For a given light source, the intensity of the emitted light is inversely proportional to the square of the distance between the source and the point, of measurement; for example, if the intensity of a light source was measured as being 400 footcandles at a distance of one foot, at a distance of two feet, the intensity would drop to 100 footcandles. For this reason, the lighting standards refer to light intensity. at the work surface. The following table of light requirements, which is representative of court activities, is an extract of a more exhaustive listing. in the IES Handbook. ***

| Courtrooms | scating area 5-30 court activity area 70 | | pilere unit et des |
|-------------------------|---|------------------|--------------------|
| Library . | reading printed material 30 Are study and note taking gives 70. | ea artroom P | Dient stiller |
| Conference Room | interviewing 7 30 , | | |
| Offices (Accounting) | auditing, tabulating, 150 bookkeeping, business, machine operation, computer operation | in irtroom 58 | ABS EXC |
| Offices, (General) | Croust Destrices meeting . | cond ssion 58 | ABS ACC |
| • | Reading handwriting in 100 hard pencil or on poor paper, reading fair repro- ductions | | ABS ACC |
| | Reading high contrast or 30 well printed materials | | |
| Police | Jail cells | | |
| | | | |

Light intensity is not the only factor affecting the illumination of a room. Natural light (sunlight, shaded light and overcast conditions) has a marked affect on the lighting level of a room. Glare from harsh lighting can hinder the ability of the occupants of the room to read and record information. These conditions, as well as other factors affecting the lighting, such as special deficiencies or annoyances, are noted when pertinent.

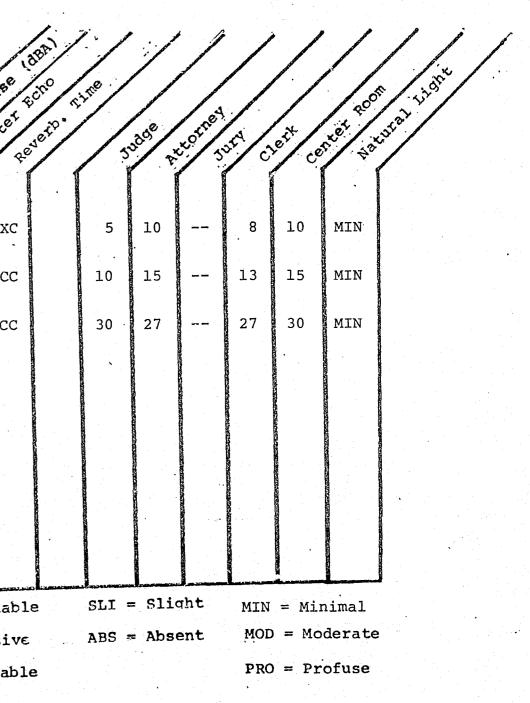
This section contains a table of acoustical and lighting measurements on selected rooms in the courthouse. When further explanation is needed, additional comments will follow the table.

ACOUSTICS

ACC = Acceptable

- EXC = Excessive
- NOT = Noticeable

LIGHTING LEVELS (ft. candles)



ADDITIONAL COMMENTS

FIRST SESSION

outside the courtroom.

SECOND SESSION

from the hallway outside the courtroom. very little natural light.

JUVENILE AND THIRD SESSION

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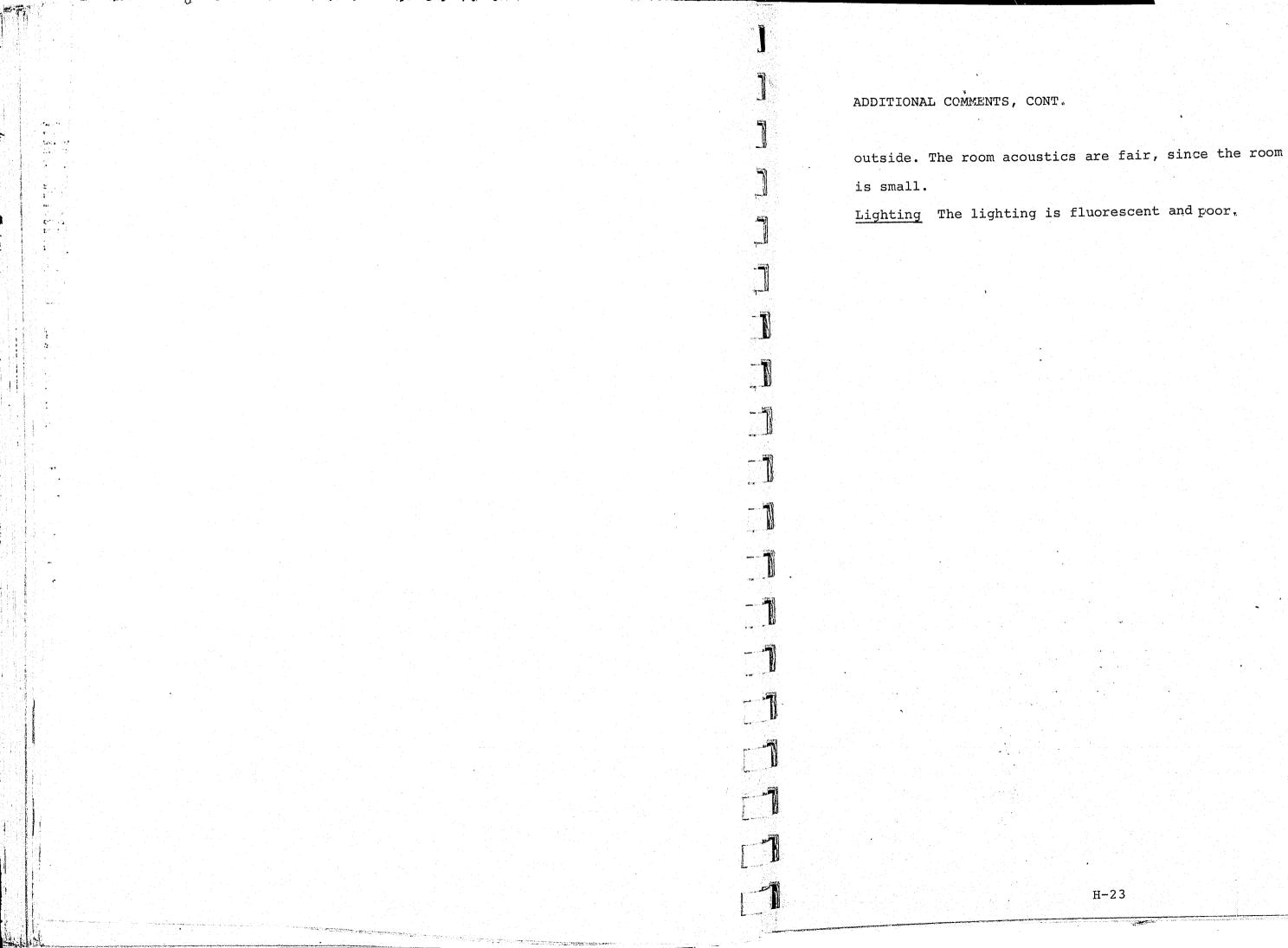
Acoustics The room acoustics are poor. The reverberation echo is excessive, so that voices are often garbled, and hard to understand. In addition, the background noise is much too high, and is due primarily to the window air conditioning units and conversations in the hallway

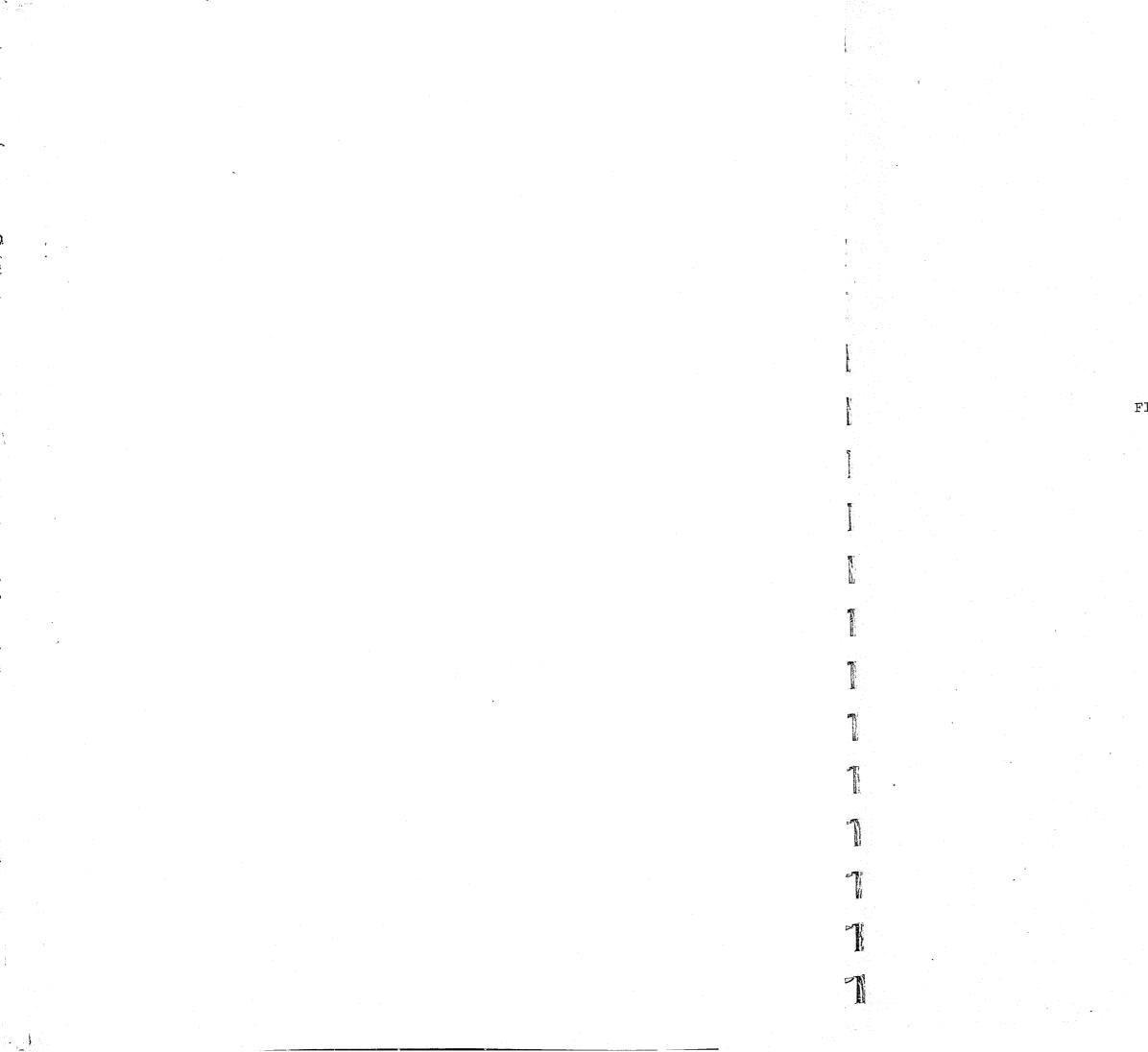
Lighting The lighting levels are extremely poor in this room. The light is provided by seven incandescent bulbs in ceiling fixtures. There is very little natural light.

Acoustics The acoustics in the second session are fair, as it is a small room. It still sounds too . "empty", though, and the background noise levels are extremely high. The noise is from the window air conditioning units and conversations

Lighting The lighting is, again, extremely poor for the court's use. There are only four incandescent bulbs, and

Acoustics This session also has a high background noise level due to the window air conditioners and people talking

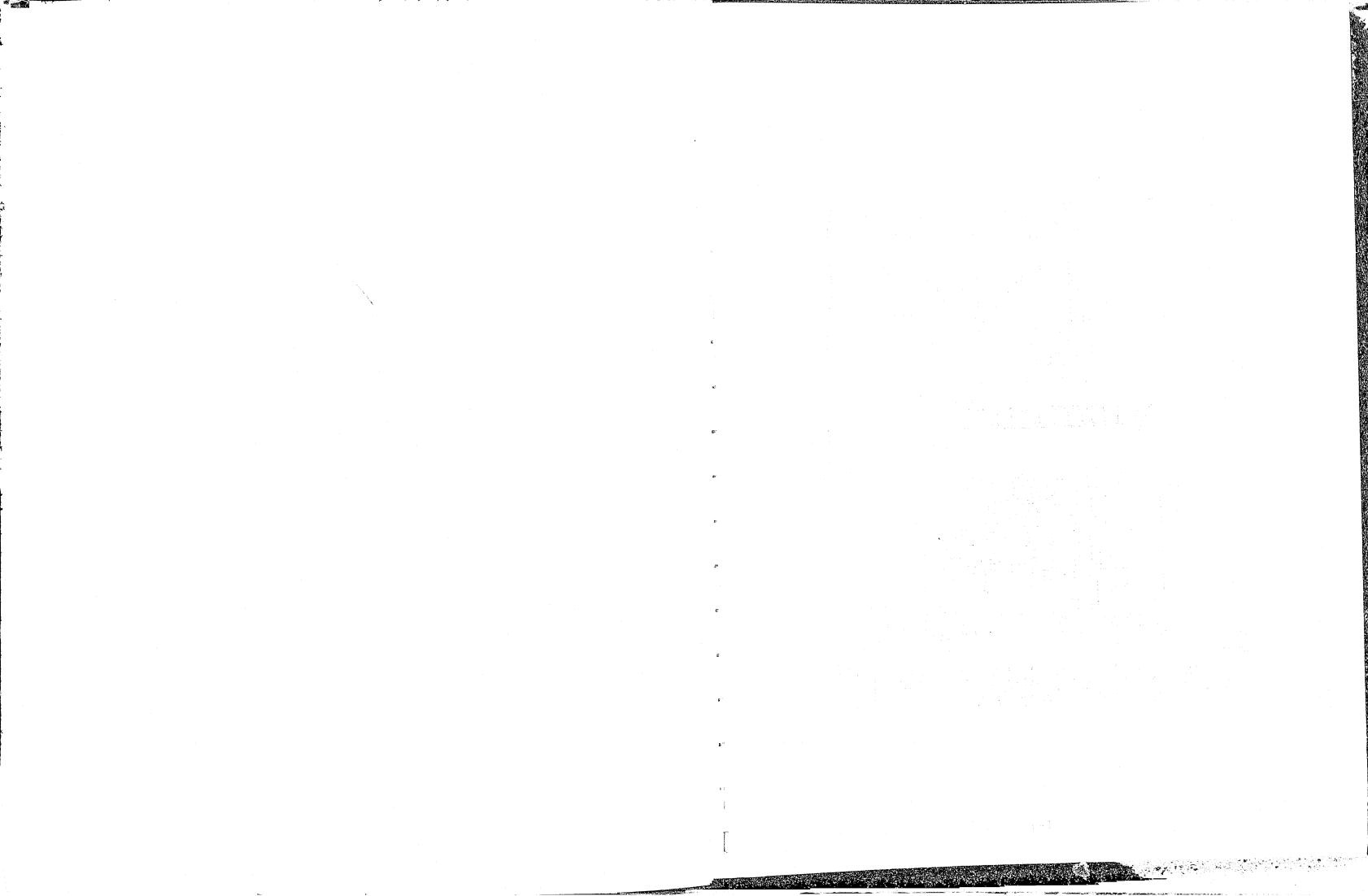


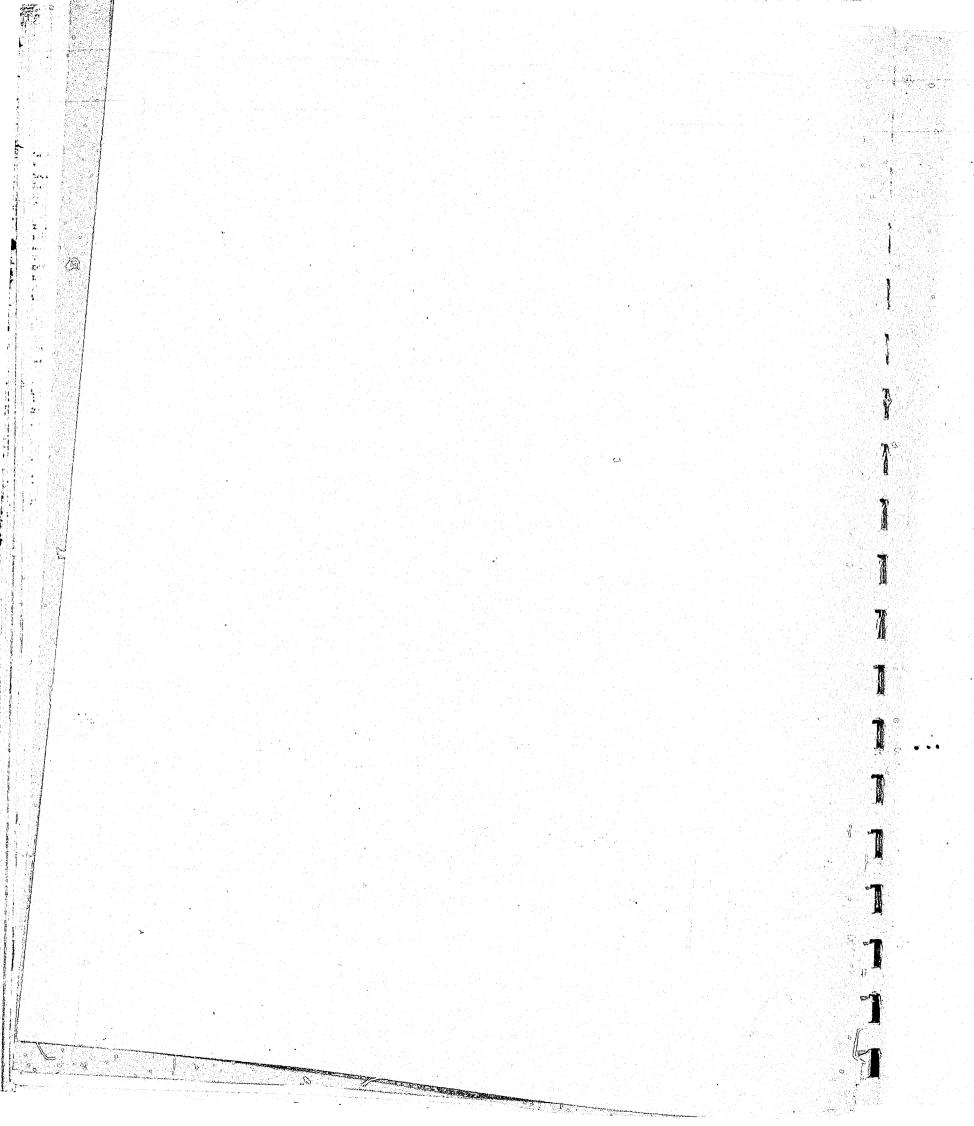


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FIRST DISTRICT COURT OF BRISTOL (TAUNTON)

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| | | | B | UILDING, ENVIRONMENT, COSTS |
| | | | - 10 | Photograph |
| | | | | Community Served, Neighborhood, Transportation |
| | | | • | Courthouse Functions |
| | | | | Structure |
| | ананананананананананананананананананан | | | FLOOR LAYOUTS |
| | | | ſ | ROOMS |
| | | | . 4 | ROOMS |
| | | | (| COURTROOM RELATIONSHIPS |
| | | | | TECHNICAL INFORMATION |
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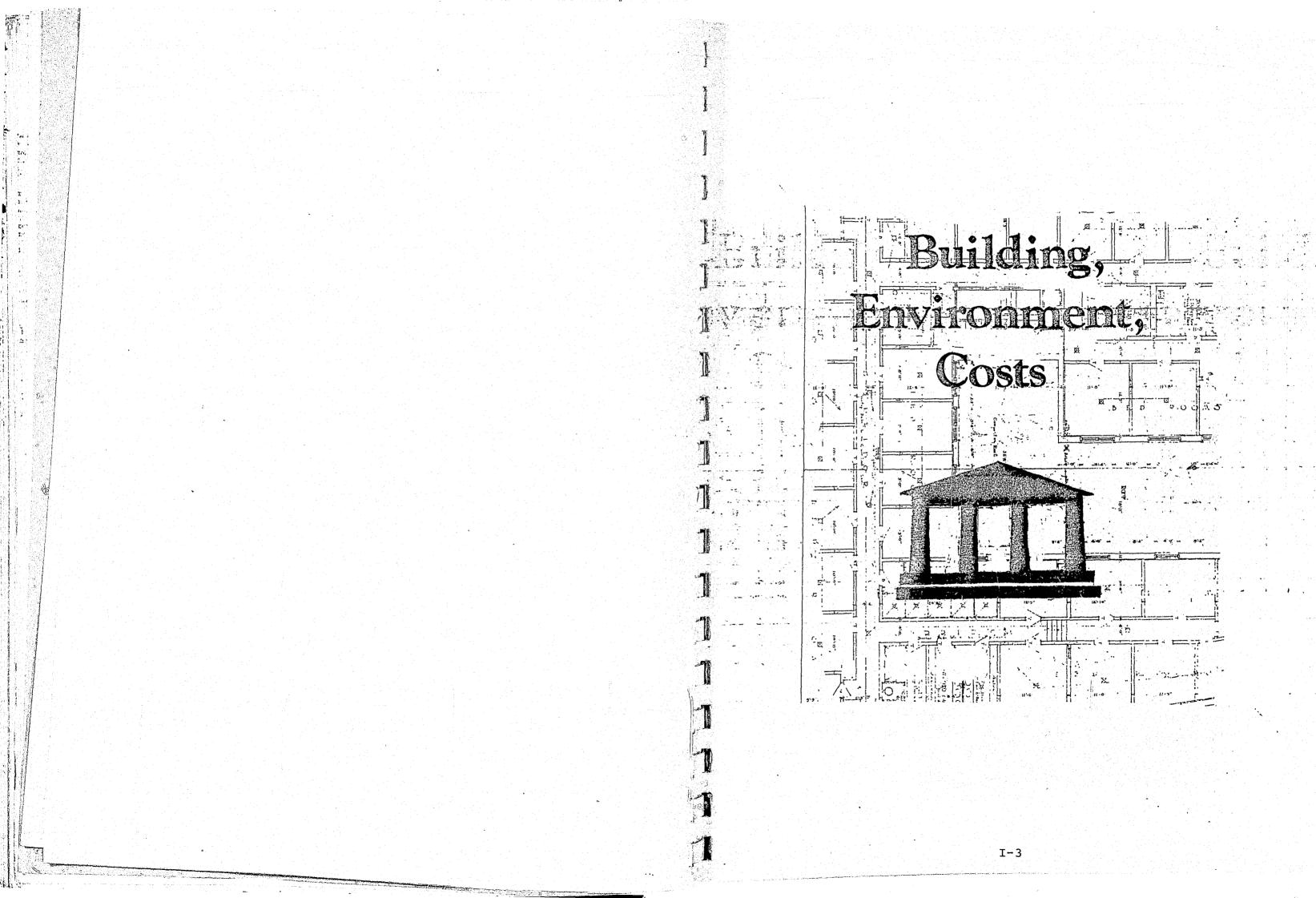
The Taunton District Court, which was built in the early 1800's and partially renovated in 1961, is in fair condition.

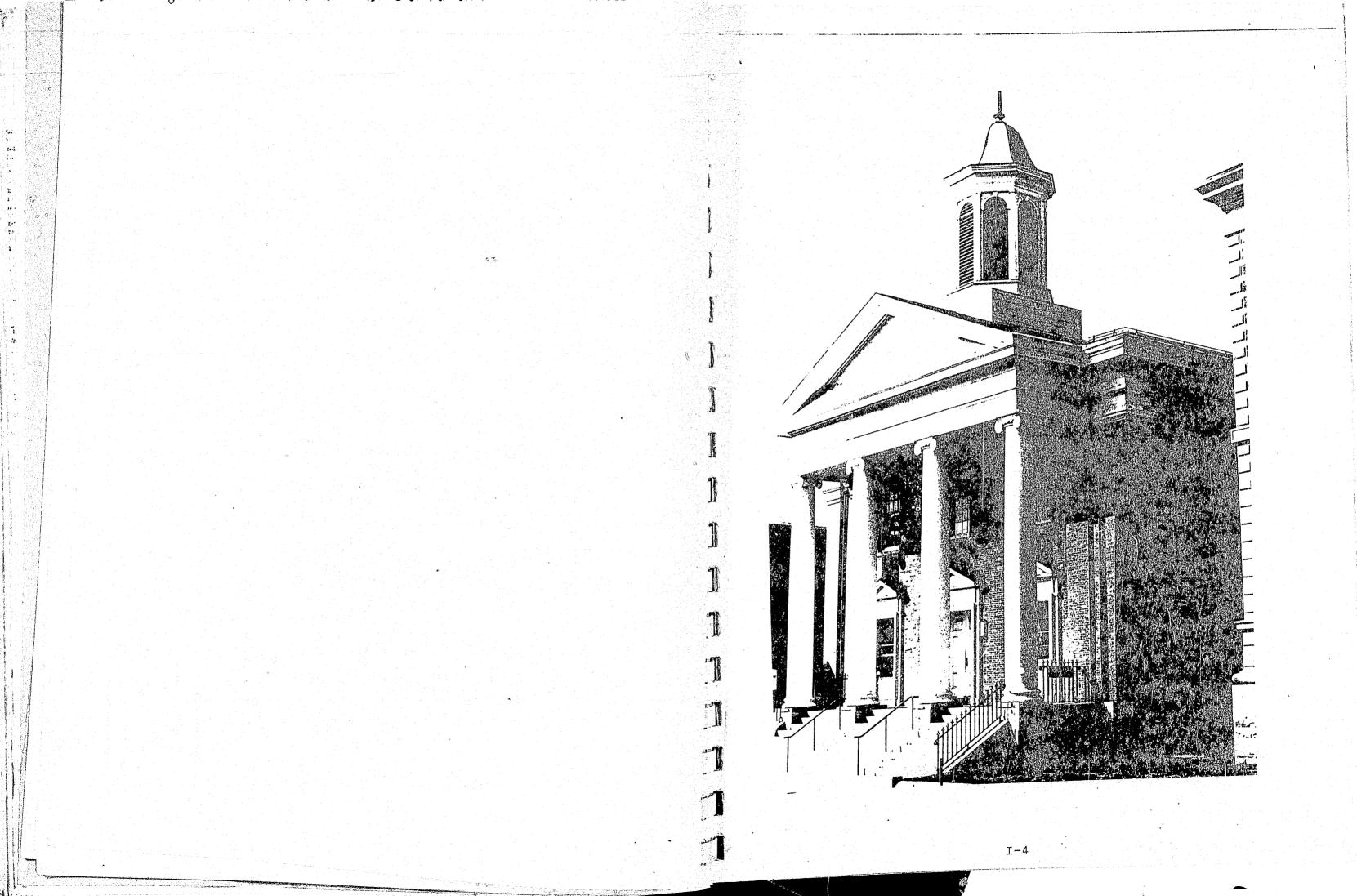
The structure and building systems (heating, plumbing, l electrical) are in good condition and are adequate. The room finishes are in good repair. The color tones are slightly drab.

Presently, the space for the clerical functions of the Clerk of Court's staff is cramped. There is ample space for storage. The large portion of the basement that is currently unused space, could be used for offices and storage, if improvements were implemented.

There is only one courtroom for the court's use, and the room used for the second session is inadequate and not furnished as a courtroom. The lighting levels are generally fair. Most of the room acoustics are acceptable. The background noise, in the usable courtroom, however, is slightly high, due primarily to the street noise.

I Interview with Mr. Ryan, Custodian, Taunton District Court.





ARCHITECTURE

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Description The District Court is housed in a two-story brick building, constructed in the early 1800's and partially renovated in 1961. The building is basically rectangular in plan. The facing is red brick with rectangular windows. At the entrance is a large portico surrounded with four white wooden columns, and topped with a white triangular pediment. There is an octagonal cupola on the roof.

COMMUNITY SERVED, NEIGHBOREOOD, TRANSPORTATION Population The District Court serves the communities of Taunton,Dighton, Berkley, Rehoboth, Seekonk, Raynham and Easton. The combined population of these areas is 83,414 (Massachusetts 1971 Census). <u>Neighborhood</u> The courthouse is located near downtown Taunton, along a heavily traveled street and is adjacent to the Probate Courthouse. There are a few commercial buildings in the area. <u>Public Transportation</u> There 's a local bus service that serves parts of Taunton, and a stop is nearby the courthouse. <u>Parking</u> There are five parking spaces reserved for court personnel only. There is no public parking, except metered parking along the street.

COURTHOUSE FUNCTIONS Schedule of Operation

July and August: Criminal trials & arraignments M-F Criminal arraignments only S

The court schedule is listed below.

September - June: Criminal trials M, Th, F

1

Space for Non-Court Personnel No non-court personnel are located in the building. Security The court employs one court officer. Prisoners are transported from the police station by police and remain in the police's custody. Public Address System There is no public address system in the court building. Tape Recording The court does not provide tape recording

facilities. Visual Aids No visual aids are provided by the court. Use of Graphics The District Courthouse is labeled as such above the main entrance. Although there is no main directory, all rooms are labeled clearly, according to function." Rest Rooms The public rest rooms are adequate and clearly marked. However, there are no directional signs for them. There is no women employees' rest room.

STRUCTURE

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Oualitative comments contained, except where noted, in this section (STRUCTURE) were obtained from Paul Cotter, Head Custodian.

Structural System The building is of masonry bearing wall and wood beam construction . The system is in good condition.

Criminal arraignments T,W Civil cases T,W Small claims Th Supplementary Process Th Summary Process Th

Air Conditioning There is one air conditioning window unit in the judge's lobby, one in the Clerk's Office and one in the Clerk's secretarial office. The courtroom is not air-conditioned, and becomes uncomfortable in the summer. Heating Heating is provided by a steam system, with two high pressure oil burners operated by an engineer and two firemen. The system serves the Superior, Probate and District Court Buildings; the system is adequate and in good condition.

in good condition.

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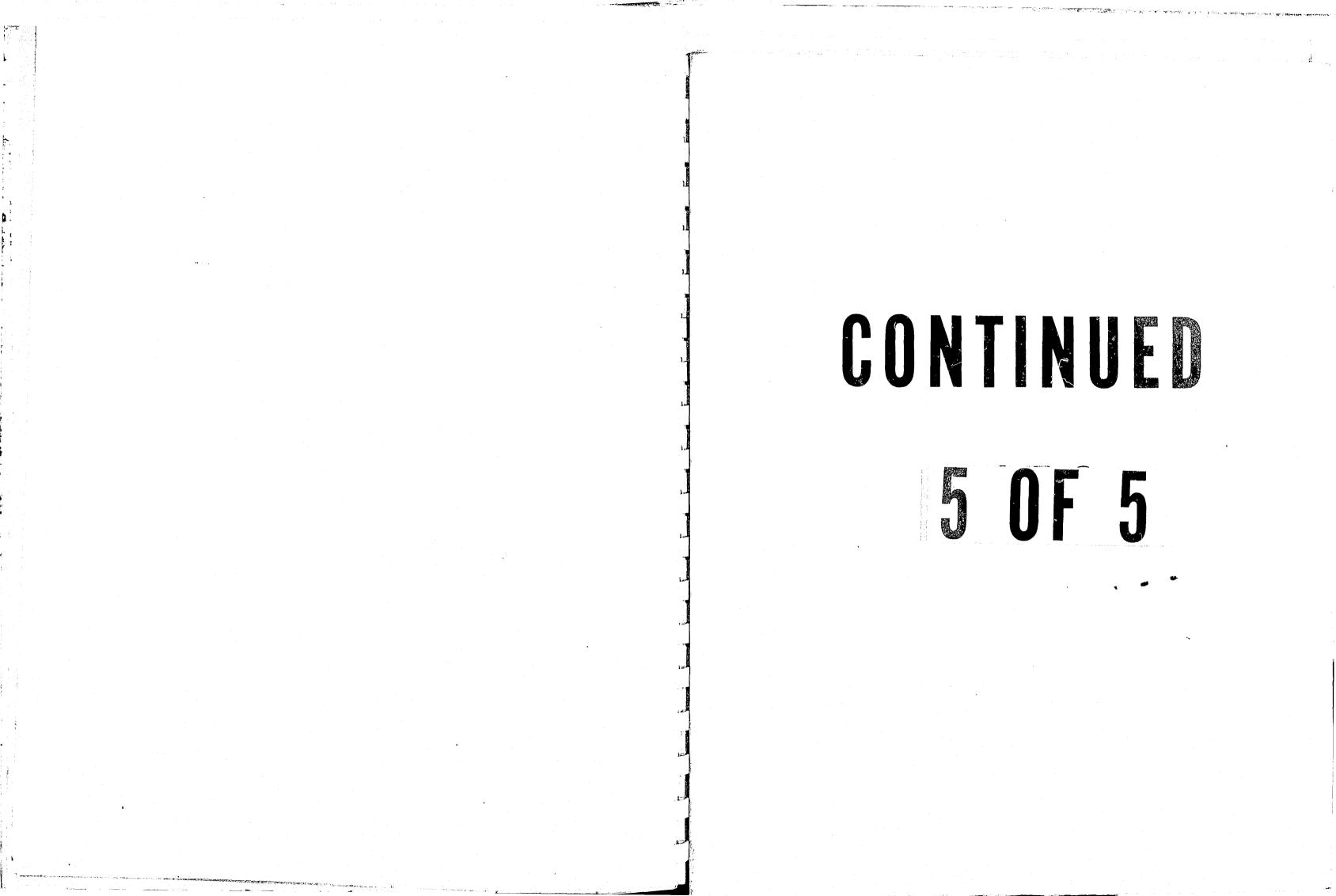
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Fire Protection and Detection There are three fire extinguishers in the building, one on each floor. Pull alarms are in the hallways on each floor. The emergency exit signs are prominently placed and lit. , Storage The Clerk uses part of the basement for storage . Much of the space in the basement is unused and currently unsuitable for storage due to dampness and water leakage. Building Characteristics There is only one courtroom in the building. The Clerk's office area is cramped. At times, the small hearing room on the first floor is used for court sessions. However, the only furniture present is a table, a small bench and twenty wooden chairs.

Plumbing The plumbing is adequate and in good condition. Electrical System The electrical system is adequate and

I-7



OPERATING AND MAINTENANCE COSTS The following information on costs was obtained from the Bureau of Accounting of the Commonwealth of Massachusetts. These are actual costs for the year 1972-1973.

Light, Heat & Power General Maintenance & Repair Water

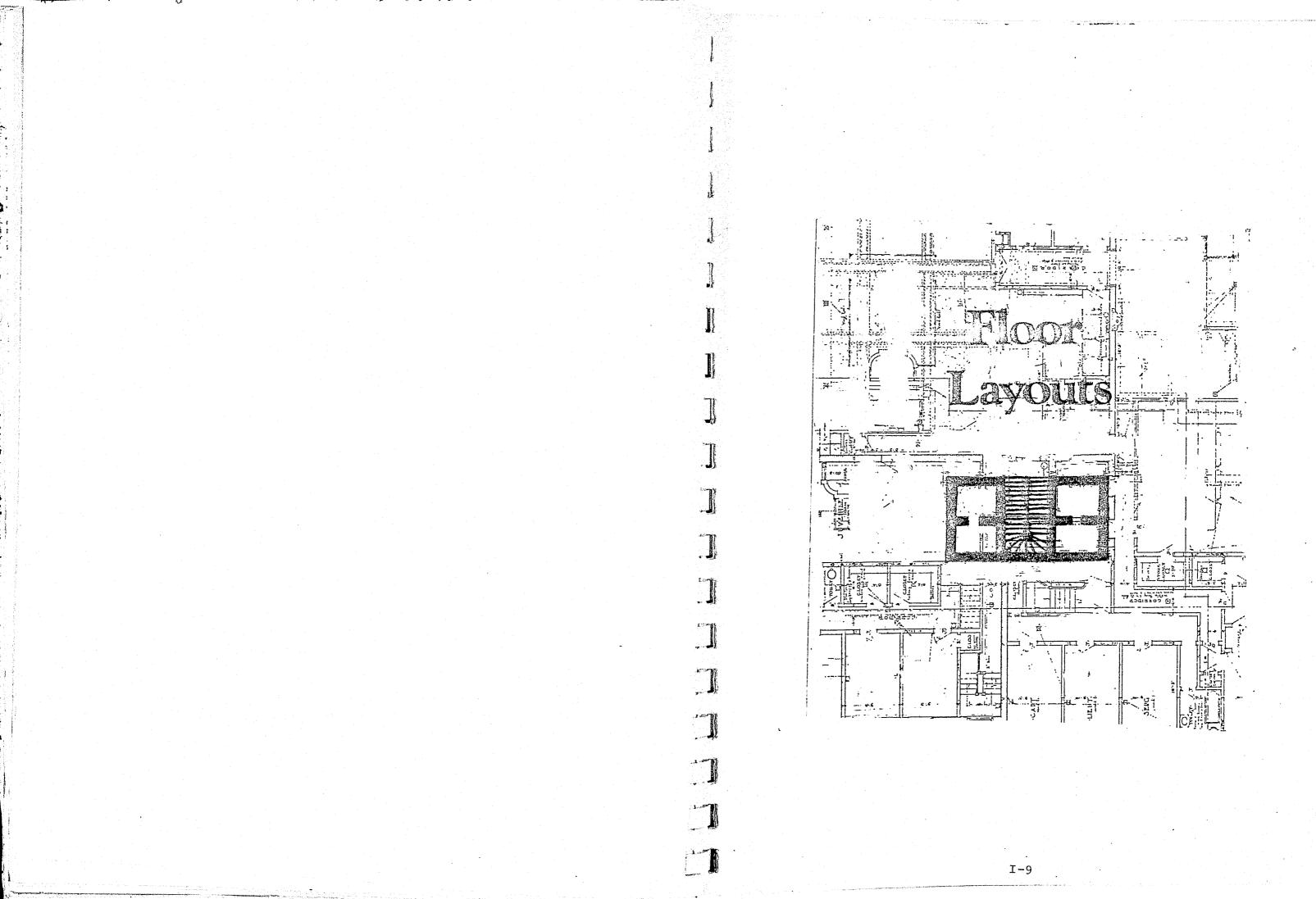
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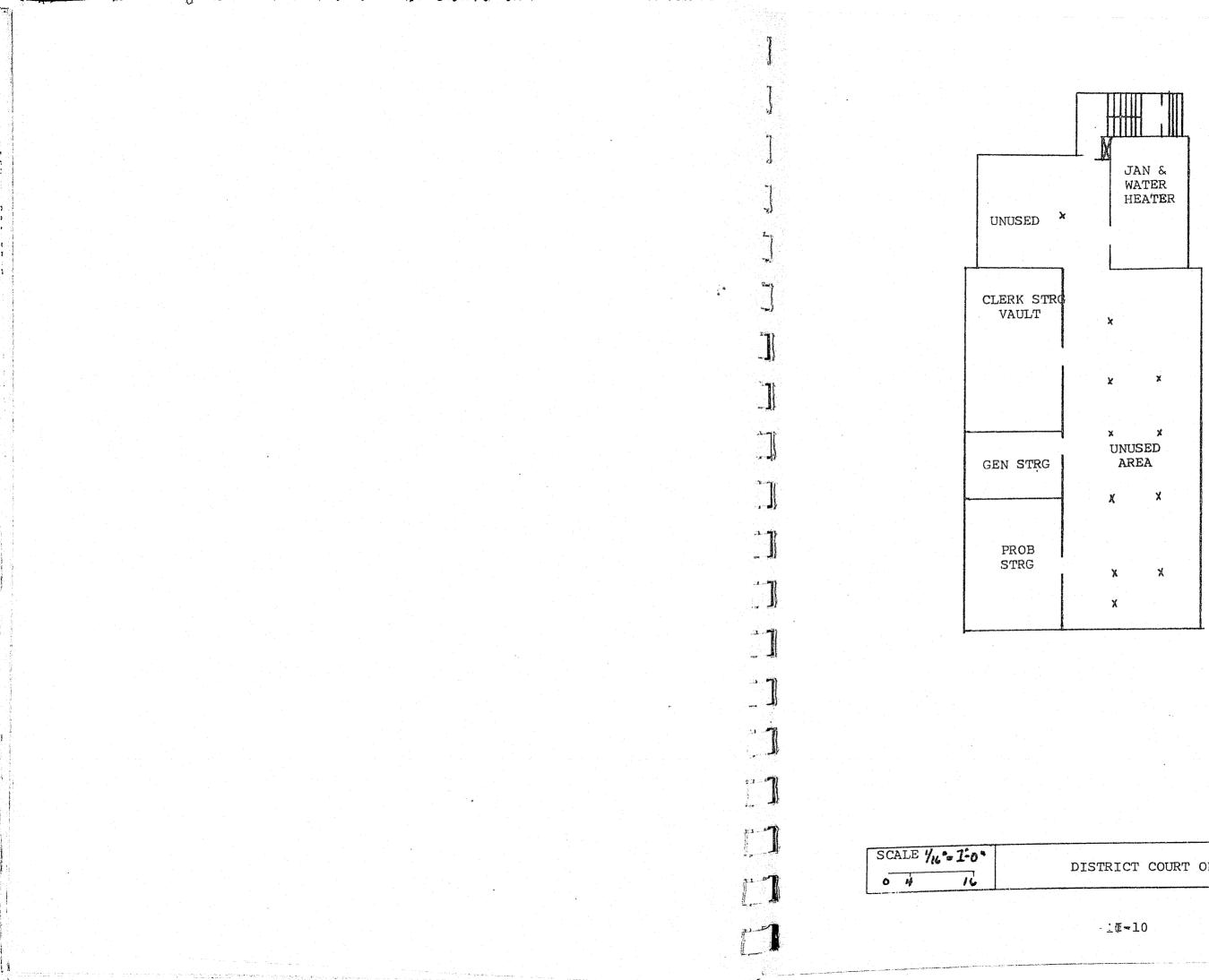
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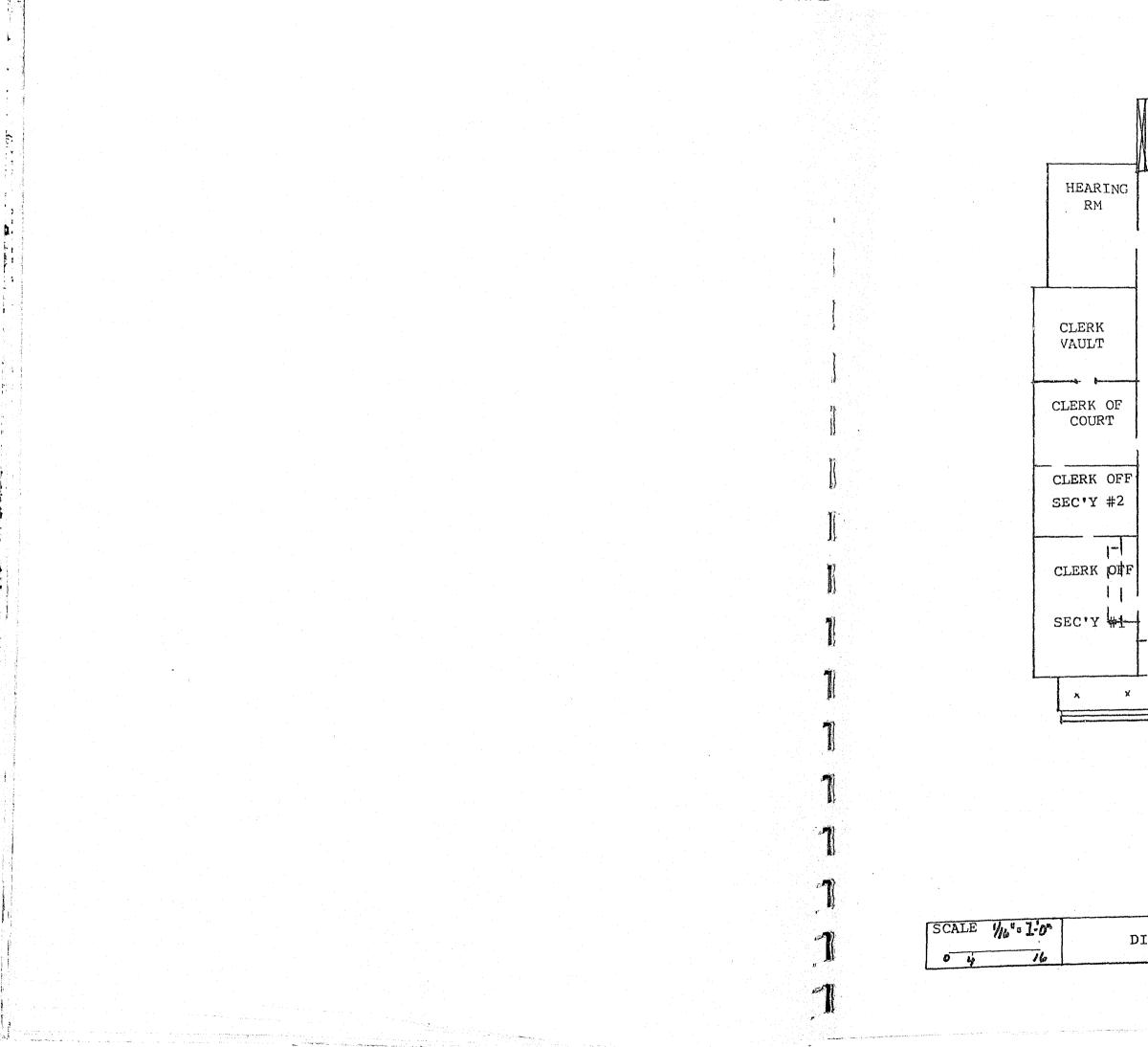
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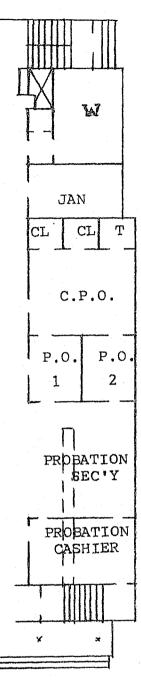
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Y DISTRICT COURT OF TAUNION basement 📐

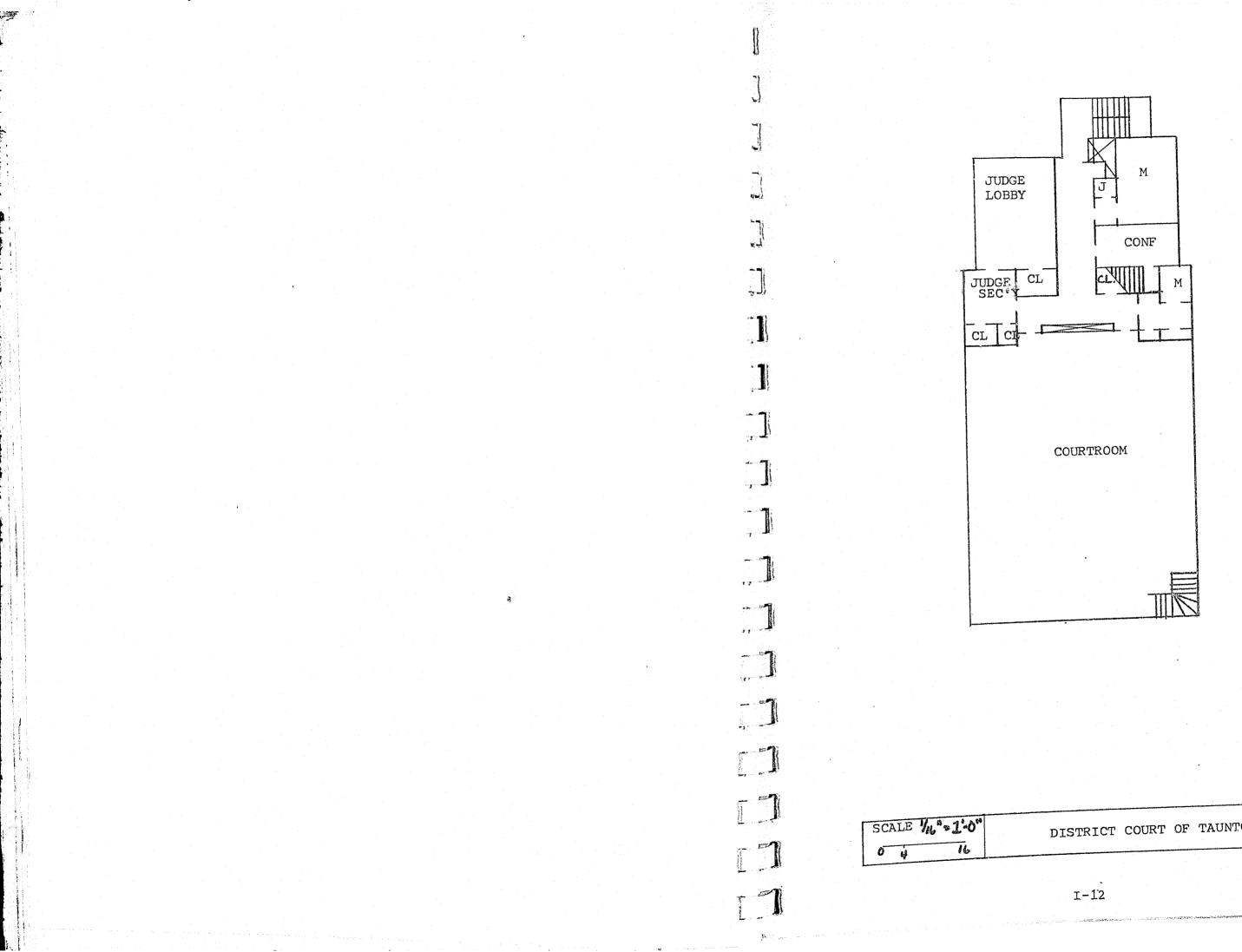




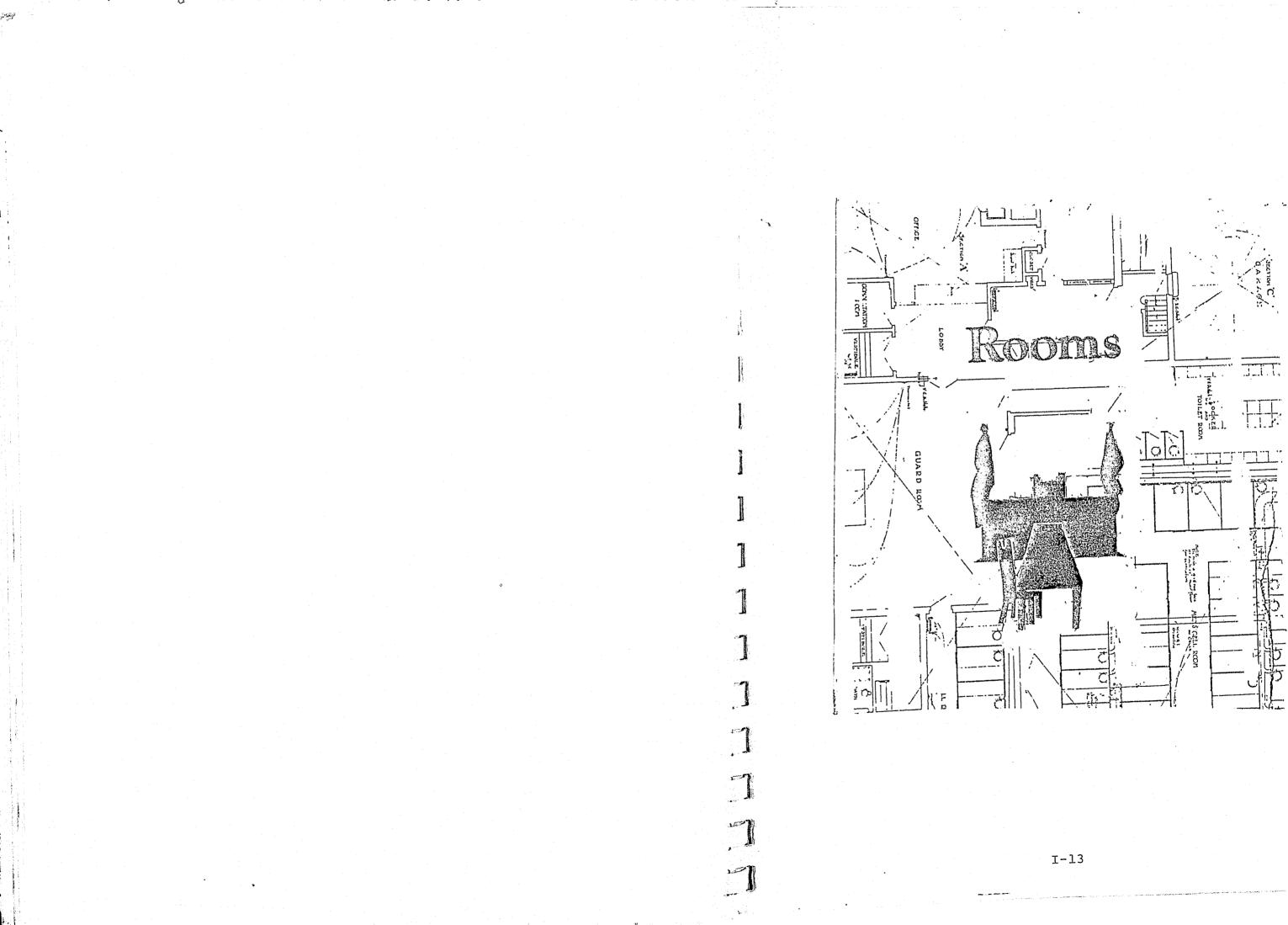
DISTRICT COURT OF TAUNTON 1st floor

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|----------|-------|----|---------|-------|
| DISTRICT | COURT | OF | TAUNTON | floor |
| | | | 2nd | floon |



Criteria

| courcrooms, offices, honoris | |
|--|---|
| rooms, libraut and rearing rooms, suprotrained | <i>Tone:</i> A subjective evaluation of the color tone of the room based on the following rating scale: |
| Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page | |
| all of the information in the table on the facing page, (square footage, type of access, finish, acoustics, etc.) | Eright and Cheerful Drab and Austern 5 4 3 2 1 |
| , | Para 2 1 |
| Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage. | |
| surveyed for only the square footage. | total wall area of the room which is composed of glass. |
| Other areas such as closets, restrooms, elevators and stairways are not surveyed at all. | Height: The floor to ceiling height. |
| not surveyed at all. | |
| | ACOUSTICS The acceptability |
| | ACOUSTICS The acceptability of the acoustics of each room is based , upon measurements of ambient noise level (dbA), and upon reverberance characteristics (flutter echo and reverberation time). |
| Definitions | characteristics (flutter echo and reverberation and upon reverberance |
| ~ onnicions | , cime)." |
| AREA Total floor area inclusion | Rating Explanation |
| AREA Total floor area including work space, circulation space, and storage in square feet. | |
| ACCESS The degree is and | |
| ACCESS The degree to which public entry into a room is restricted. | within standards for each room function; flutter echo is absent or slight. |
| Symbol Explanation | |
| | Un N Unacceptable: Noise level exceeds standard or inter- feres with room function. |
| rublic: Access is unrestricted to general public | Up p |
| | Un R Unacceptable: Noticeable flutter echo or excessive reverberation time. |
| Prv Private: Access is partially restricted by means of doors, counters, or graphics. | |
| | Un NR Unacceptable: Both Un N and Un R |
| Sec Secure: Access is restricted by guard, receptionist, | |
| UMBER OF HERES INTO A | LIGHTING |
| UMBER OF USERS The estimated seating capacity of a room for users nd spectators, based upon current furnishing. | Type: Refers to type of light fixtures in the room. |
| INISH | I - Incandescent I/E - Continue room. |
| inish R <u>icpigia (Mat</u>): | F - Fluorescent -/ Combination incandescent / |
| <u>1111 (1011)</u> | LCD2/1 mail I I I I I I I I I I I I I I I I I I I |
| Iesizea Colon | <i>Level:</i> Ratings of the acceptability of light in the room are footcandles) and the accepted standards of light levels (in |
| ······································ | footcandles) and the accepted standards of light requirements for the functions performed in the room.* |
| - painted ABT - Asbestos Tile CX - Cort | |
| - glazed ABT - Asbestos Tile CX - Cork S - Stone - textured AT - Acoustic Plaster CRT - Ceramic Tile SA - Sound B - Brick CT - Concrete | Explanation |
| B - Brick - Acoustic Tile CT - Concrete Absorbing | HIGHL LEVALE For its a |
| G = Glass = Absorbing | or equal accepted standards. |
| C - Carpet M - Metal V - Visual | |
| CB - Concrete Block pp - Plaster W - Wood | others are substandard. |
| | Light levels for all functions are substandard |
| raneiing | AIR CONDITIONING THE |
| Rating Explanation | conditioning, if present, in the room. |
| Good Condition of auto | Symbol |
| | |
| preventive maintenance is sufficient to maintain this | no air conditioning present |
| | Central air conditioning |
| Scale mutics and addicates some damager. Small | W Window air conditioning units. |
| scal, equirs and corrective maintenance are necessary to retard deterioration of condition. | |
| for a | R Room air-conditioning units |
| cor Condition of surface indicates severe damage. Large | |
| scale corrective maintenance is recessary to prevent | (n)W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W. |
| to prevent | and be entered as (3)W. |
| * | |
| | |
| Befor to the second sec | |
| Refer to technical information section for further explanation | |

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. FINISH AREA # of WALLS FLOORS CEILINGS LIGHTING (sq. ACC- US-US-ERS MatCondtn Tone Wind Mat Condtn MatCondtn Ht ACOU-AIR ROOM ft.) ESS STICS Type Level COND BASEMENT 360 Janitor &Water Heater PRV , . Clerk's Storage Vault 540 SEC 215 General Storage PRV ... 360 Probation Storage PRV

| 1 | | 1 | | | 1 | | | 1 | ŧ | (| 1 | 1 | 1 | | 1 | 1 | 1 |
|-------------|-------------------|------|-------------|-----|----------|------|----|-----|----|------|-----|-------|-----|-----|---|-------|-----|
| Unused Area | | 1455 | PUB | | | | | | | | | | | | | | |
| | | | | • | | | | | | , | | | | | | | |
| FIRST | FLOOR | | | | | | | | | | | | | | | | |
| Clerk | 's Off. (sec'y)#1 | 430 | PUB/ PRV | 5 | pP | GOOD | 4 | 15 | v | GOOD | AT | GOOD. | 8' | ACC | F | FAIR | 1W |
| Clerk' | 's Off. (sec'y)#2 | 215 | PRV | 3 | PR | GOOD | 4. | 5 | v | GOOD | рСТ | GOOD | 8' | ACC | F | FAIR | N. |
| Clerk | of Court | 250 | PRV | 5 | PR | GOOD | 3 | 5 | V. | GOOD | pCT | GOOD | 8' | UnN | F | GOOD | lW |
| Clerk' | 's Vault | 290 | BEC | | | | | | | | | | | | | | |
| Hearin | ng Room | 335 | PUB | 24 | PR | GOOD | 3 | 20 | v | GOOD | AT | GOOD | 91 | ACC | F | FAIR | N. |
| Janito | or's Room | 145 | PRV | 4 | PR | FAIR | 2 | 10 | v. | GOOD | AT | GOOD | 91 | ACC | F | POOR | N |
| C.P.O. | | 250 | PRV | 4 | PR | GOOD | 2 | 15 | v | GOOD | AT | GOOD | 8 1 | ACC | F | POOR | N |
| P.O.#1 | - | 100 | PRV | 3 | PR/ G | GOOD | 2 | · 0 | v | GOOD | AT | GOOD | 81 | ACC | F | FAIR | N . |
| P.O. # | 2 | 100 | PRV | . 3 | PR/ G | GOOD | 2 | 10 | v | GOOD | АТ | GOOD | 81 | ACC | F | FAIR- | h. |

| Criteria | |
|---|---|
| or itelia | |
| Courtroom | . Tons: A subjective evaluation |
| Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for all of the information in the table on the facing page | . Tone: A subjective evaluation of the color tone of the room based on the following rating scale: |
| all of the information in the ration facilities are surveyed for | Bright and du |
| uccoss, rinigh | $\frac{\text{Bright and Cheerful}}{5} \frac{\text{Drab and Austare}}{2}$ |
| Storage arous (LC.) | Parcent (1) of Windows: The approximate percentage of the total wall area of the room which is composed of alase |
| surveyed for only the square foctage. | total wall area of the room which is composed of glass. |
| Other areas such as closets, restrooms, elevators and stairways are not surveyed at all. | Height: The floor to ceiling height. |
| not surveyed at all. | and ribbr to calling height. |
| | ACOUSTICS The |
| | ACOUSTICS The acceptability of the acoustics of each foom is be upon measurements of ambient noise level (dbA), and upon reverbe characteristics (flutter echo and reverberation time). |
| Definitions | characteristics (flutter echo and reverbered), and upon reverber |
| | and inverberation time)." toyclog |
| AREA Total floor area including work space, circulation space, and | Rating Explanation |
| storage in square feet. | Acc Acceptable |
| ACCESS The degree to which public and | Acc Acceptable: Noise level and reverleration time are within standards for each room function, stime are |
| ACCESS The degree to which public entry into a room is restricted. | within standards for each room function; flutter echo is absent or slight. |
| | |
| Pub Public: Access is unrestricted to general public. | Un N Unaccoptable: Noise level exceeds standard or inter fores with room function. |
| | Un R Unacceptable: Notion |
| Prv Private: Access is partially restricted by means of doors, counters, or graphics. | Un R Unacceptable: Noticeable flutter echo or excessive reverberation time. |
| Sec Secure: Desere i | Un NR Unacceptable: Both Un N and Un R |
| Sec Secure: Access is restricted by guard, receptionist, a | |
| UNBER OF HERE | LIGHTING |
| nd spectators, based upon current furnishing. | Type: Rofers to type of light fixtures in the room. |
| INTSH. | I - Incandescent T/P - Gerti |
| <u>lterials (Mat)</u> : | r - Fluorescent |
| | based was a solution of the acceptability of the |
| rejizea Coles | based upon comparisons between the measured light in the room are footcandles) and the accepted standards of light levels (in for the functions performed in the room.* |
| - Painted and | restorment in the room is a requirements |
| - painted ABT - Asbestos Tile $CK = Cork$ S - Stone - glazed AP - Acoustic Plaster $CKT = Ceramic Tile SA - Sound$ - textured AT - Acoustic Tile $CT = Concrete$ | Rating Explanation |
| - textured AT - Acoustic Tile CRT - Ceramic Tile SA - Sound | Good Light levels for the |
| Absorbing | Good Light levels for all functions of the rote exceed |
| C = Carpat M = Metal T = Terrazzo | Fair Light Toyota too |
| CB - Concrete Block pp - Plaster W - Wood | others are constanderd. Poor Light lower |
| dition (Condta). WP - Wood | Poor Light levels for all functions are substandard. |
| ranging | ALIC CONDUCTION THE |
| Rating Explanation | Conditioning, if present, in the room. |
| Soud Condition of any f | Symbol |
| Sood Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this | Explanation |
| condition. | no die Cordationing present |
| air Condition of a state | Central air conditioning |
| air Condition of surface indicates some damage. Small scale corrective maintenance arg necessary to retard deterioration of condition | W Window air conditioning units. |
| to retard deterioration of condition | R Room airman tit |
| oor Condition of an a | About Alr-conditioning units |
| oor Condition of surface indicates severe damage. Large | (n)W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W. |
| scale corractive maintenance is pacessary to prevent | units would be entered as (3)W. |
| a and a second | |
| | |
| Refer to technical information section for further explanation | |

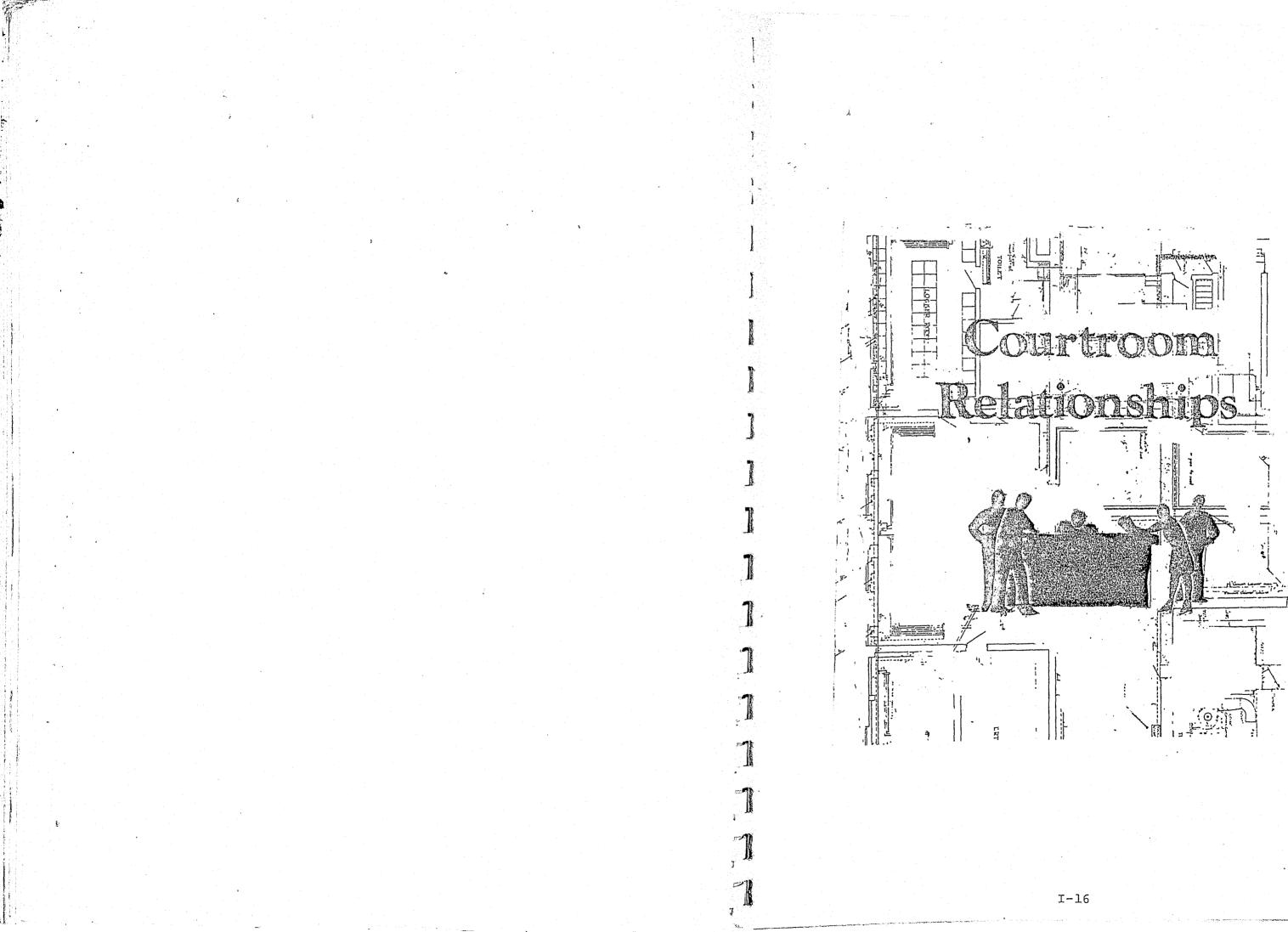
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| · | | | | | | |] | FINI | SH | | | • | | | | |
| | AREA (sq. | ACC- | # of US- | | WALL | | - | FI | OORS | | CEILIN | GS | | LIG | HTING | |
| ROOM | | ESS | ERS | Mat | Condtn | Tone | % of Wind | Mat | Condtn | Mat | Condtn | Ht | ACOU- STICS | 1 1 | Level | AIR |
| Pichation (sec'y) | 340 | PUB, PRV | 5 | PR | GOOD | 2 | 10 | V | GOOD | AT | GOOD . | 81 | ACC | F | FAIR | N |
| Probation Cashier | 200 | ĐUB, PRV | 2 | PR | GOOD | 2 | 5 | V. | · `GOOD | AT | GOOD | 8' | ACC | F | FAIR | N |
| Probation Vault | 20 | SEC | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | - |
| SECOND FLOOR | | | • | 1 | | 1 | | | | | | | | | | |

영상 영상 문화 문화 방법 방법 방법 방법

| and the second | Judge's Lobby_ | 335 | SEC | 7 | WP/ BC | GOOD | 2 | 15 | С | GOOD | AT | GOOD | 12' | ACC | I | FAIR | lW |
|---|--|------|-----|------------|-----------|------|---|-----|------|------------|----|------|-----|--------|---|---|--|
| | Judge's Sec'y | 100 | SEC | 1 | pP | GOOD | 3 | 10 | С | GOOD | AT | GOOD | 12' | ACC | F | GOOD | N |
| I-15 | Courtroom | 2290 | PUB | 200 | WP/ PR | GOOD | 3 | 201 | /0/0 | KGOOD | рP | GOOD | 17' | UnN | I | FAIR | N |
| | Conference Room | 130 | PUB | 6 | PR | FAIR | 2 | 10 | V | GOOD | AT | GOOD | 12' | ACC | F | POOR | N |
| | | | | | | | | | • | | | | | | | | |
| CHINE STOCKED IN THE SECOND | | | | | | | | | | | | | | | | | |
| Constant a province of | | | | | | | | | | | | | | | | | |
| no de la compañía de deservición en trato de | | | | | | | | | | | | | | | | | |
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| JUD | GE | | | | | |
|--------------|----------------|--------------------|------|------|------|-------|
| Can | the | Judo | ge : | see | the | enti |
| Can | the | Jude | ge l | hear | the | e Wit |
| Can | the | Jude | ge l | hear | the | e Att |
| | the rtro | | e's | lob | by a | ndjac |
| Is | ther | e a l | batl | nroc | m ir | the |
| Is ' | the . | Judge | e's | lob | by r | oriva |
| Is | the d | Judge | e's | lob | by s | ecur |
| JUR | Y | | | | | |
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| App: | | | ly ł | NOW | far | are |
| App | roxi | | ly l | low | far | are |
| lit: Can- | igan the | <u>ts?</u> Juro | ors | see | Wit | ness |
| face | <u>∍?</u> | | | | | |
| | | | | | | Jud |
| Dofe | ange | Atte | rne | 2V?* | | Pro |
| Are | Jure | ors d | on s | same | sid | e of |
| | nesse | | | | | |
| Can | the | Juro | ors | hea | r At | torn |
| WIT | VESSE | ES | | | | |
| Can | Witr | nesse | es s | see | Judg | e & |
| Does | s the | e Wit | nes | s B | ox h | ave |
| ATTO | DRNEY | 'S | | | | |
| Can | Atto | orney | 'S S | ee | the | Jury |
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| | Main | | |
| | Ctrm. | 1 | |
| | | | |
| courtroom? | Yes | | |
| esses clearly? | Yes | | |
| meys clearly?* | Yes | | |
| it to the | No | | |
| udge's lobby? | No | | |
| ? | Yes | | |
|) | Yes | | |
| | | | |
| room | No jury | | |
| rors from | | | |
| rors from | | | |
| at full | | | |
| at full face? | | | |
| cutor & | | | |
| udge as | | | |
| s clearly?* | | | |
| | | | |
| torneys? | Yes | | |
| microphone? | No | | |
| | | | * |
| | | | |
| clearly? | Yes | | |

eir usual locations

I-17

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| Do (plac Are rest Is t Jury Is a prot | Court ce in they rain there / & p a Cou | $\frac{c}{n}$ | ffi <u>our</u> ear him | cers troo eno ? | m? | |
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| rest Is t Jury Is a prot | rair there <u>/ & p</u> a Cou | ı a | him | ? | ugh | to |
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| DEFI | ENDAN | IT | | | | |
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| Can | the | De | fend | lant | hear | r t |
| <u>cle</u> GENE | rly? RAL | , | | | | |
| | here | a | n al | Larm | syst | tem |
| | the | | | | | |
| Can | the | | | | | |
| aids Is t | here | a | clo | ock? | | |
| PUBI | IC | | | | | |
| Is t | he P | ub. | lic | seat | ing | col |
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|-----------------|-------|-------|-------------------------|
| | Main | | |
| | Ctrm. | | |
| | | | |
| nesses clearly? | Yes | | |
| he defendant | 20' | | |
| s conveniently | Yes | | |
| | | • | |
| esignated | Yes | | |
| fendant to | Yes | | |
| ocated between | | | |
| so that he can | No | | |
| | | | |
| robation | Yes | • | |
| | | | |
| Judge clearly? | Yes | | |
| Attorneys | Yes | | |
| Witnesses | Yes | | |
| | | | |
| | No | | 1 |
| blackboard? | yes | | |
| ned for visual | Yes | • | |
| 3 | Yes | | |
| | | | |
| ortable? | No | · · · | |
| public area? | No | | • • • • • • • • • • • • |

I-18

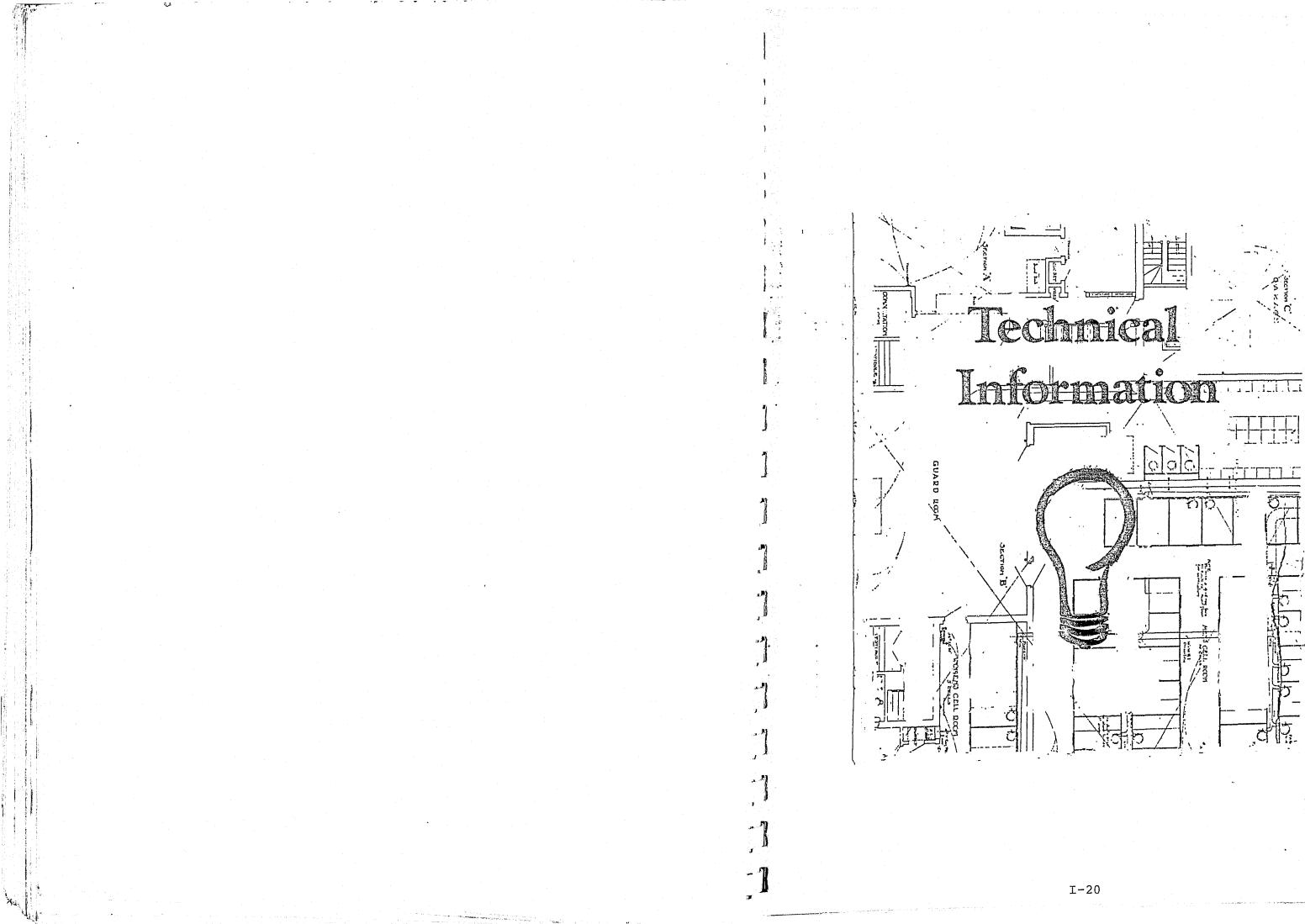
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ADDITIONAL COMMENTS

COURTROOM

• °,

The courtroom becomes very hot during the summer, since there is no air conditioning and some of the windows must be closed because of the heavy street traffic noise. The public seating area is tiered. At the rear, however, the level of the floor is so close to the level of the window sills, that one could easily fall out of the window. The public entrance to the courtroom is by a stairway at the rear of the room,



ACOUSTICS

Ani ion' Weize is background noise; that is, an average noise level attributed to sources such as air rushing through ventilators, outside street traffic noise, flourescent balast hum, and others.

The noise level, for this study, was measured in decibels on an A-weighted scale (dBA units). The A-weighted scale compensates for human hearing defi-clencies by adjusting the mound levels at each end of the audible frequency spectrum. For a detailed explan-ation of acoustic measurement, please refer to Sound Control Construction*. For comparison, a table of Constrol Construction*. For comparison, a table of typical hoise levels and optimum background sound

| | Source/Room | Level (aBa) |
|---------|--|-------------------------------|
| Typical | Aircraft (near plane) Person shoutin ; Average conversation | 140 80 50 |
| Optimum | Conference room Private offices Large general offices Stenographic offices Courtroom | 35 - 45 45 - 60 35 - 45 |

Field measurements were made with either of two Bruel

Field measurements were made with either of two Bruel & Kjaer sound level meters, models #2203 or #2206. These are equipped with microphones which are nearly omnidirectional. The frequency response for the *#2206 is 4Hz to 15KHz (- 2dB). The frequency response specifications for the #2203 are quite lengthy. (Instruction manual has specifics).

Flutter Subs occurs when a sound wave bounces continually between two parallel, acoustically reflec-tive surfaces. The magnitude of the sound has to be at an audible level, and the time between bounces must be great enough to make the poises distinguishable ar be great enough to make the noises distinguishable as separate sounds. Flutter echo usually sounds like a

To estimate flutter echo, a researcher claps his hands, producing an impulse sound, and then listens for its

Reverse ration time is the duration of sound reflection in a space. It is defined as the time (in seconds) after a constant noise source ceases, that it takes for the original sound pressure level to decrease by one thousand (60 dB). The presence of flutter echo and reverberation times in this study were estimated

To estimate the reverberation time, a researcher coughs, producing a loud sound, and then listens for the rate of LIGHTING

The ratings for lighting acceptability are based upon the accepted standards of light intensity as listed in IES (Illumination indicering Seciety) Handbock***. These standards provide a comprehensive listing of the levels of light required for a multitude of tasks.

The standards specify required light levels in foot canales. (One foot candle is defined as the intensity of the light produced by one candle at a distance of one foot). For a given light source, the intensity of the emitted light is inversely proportional to the square of the distance between the source and the point of reasurement; for example, if the intensity of a light source was measured as being 400 footcandles at a distance of one foot, at a distance of two feet, the intensity would drop to 100 footcandles. For this reason, the lighting standards refer to light intensity at the work surface. The following table of light requirements, which is representative of court activities, is an totract of a more exhaustive listing activities, is an estract of a more exhaustive listing in the IES Fandbook ***

| Recom | Function | Required Light (Footcandles) | | | | 30 ¹ 5 ⁰ |
|--|---|------------------------------------|-------------|---|-------------|---------------------------------------|
| Contrinooms | Souting area Court activity area | 30 70 | Area | | nbient | AU LE |
| Library . | reading printed materia study and note taking | ••• | Courtroom | 1 | TUD | |
| Conference Room | interviewing | 30 | | 1 | ſ | |
| Offices (Accounting) | auditing, tabulating, a bookkeeping, business, | | Courtroom | 45 | ABS | ACC |
| | machine operation, computed operation | iter | Learing Rm. | 37 | ABS | ACC |
| Offices (General) | Reading poor reproduc- tions, business machine operation, computer operation | 150 | | Constraint of the second of | | a a a a a a a a a a a a a a a a a a a |
| · · · | Reading handwriting in "" hard pencil or on poor paper, reading fair repr ductions | 100 | | the and the manufacture of the state of the | | |
| | Reading high contrast or well printed materials | 30 | | | C. MARCINE. | |
| Police | Jail cells | 30 | | | | |
| ld measurement s meter is col ear response (| s are made with GE 213 lig or and cosine corrected to accuracy ±15) | ht meter. give a | ,] | | | |

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Light intensity is not the only factor affecting the illumination of a room. Natural light (sunlight, shaded light and overcast conditions) has a marked shaded light and overcast conditions) has a marked affect on the lighting level of a room. Glare from harsh lighting can hinder the ability of the occupants of the room to read and record information. These conditions, as well as other factors affecting the lighting, such as special deficiencies or annovances, lighting, such as special deficiencies or annoyances, are noted when pertinent.

*Sound Control Construction, Second edition, prepared by the United States Gypsum Co., Chicago, Illinois 1972.

**Sound Control Construction, except for the courtroom data, which was obtained from Mr. Robert Newman, Professor of Architecture, Massachusetts Institute of

***Illuminating Engineering Society, IE: Lighting Findbook, New York: McGraw-Hill, 1964

This section contains a table of acoustical and lighting measurements on selected rooms in the courthouse. When further explanation is needed, additional comments will follow the table.

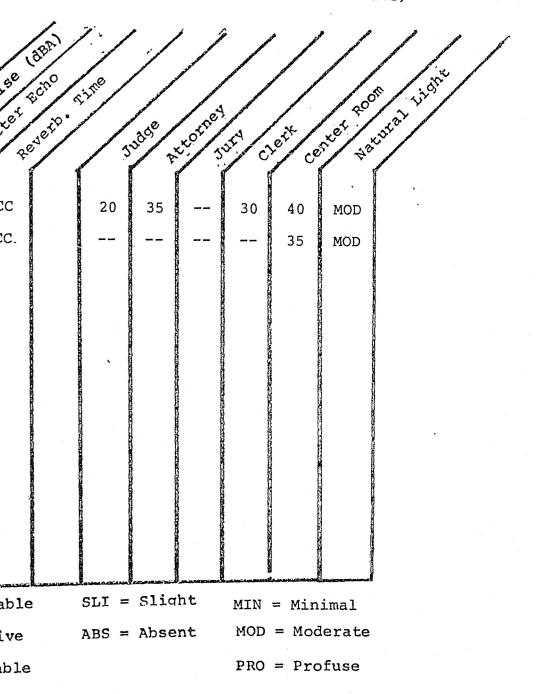
ACOUSTICS

ACC = Acceptable

EXC = Excessive

NOT = Noticeable

LIGHTING LEVELS (ft. candles)



ADDITIONAL COMMENTS

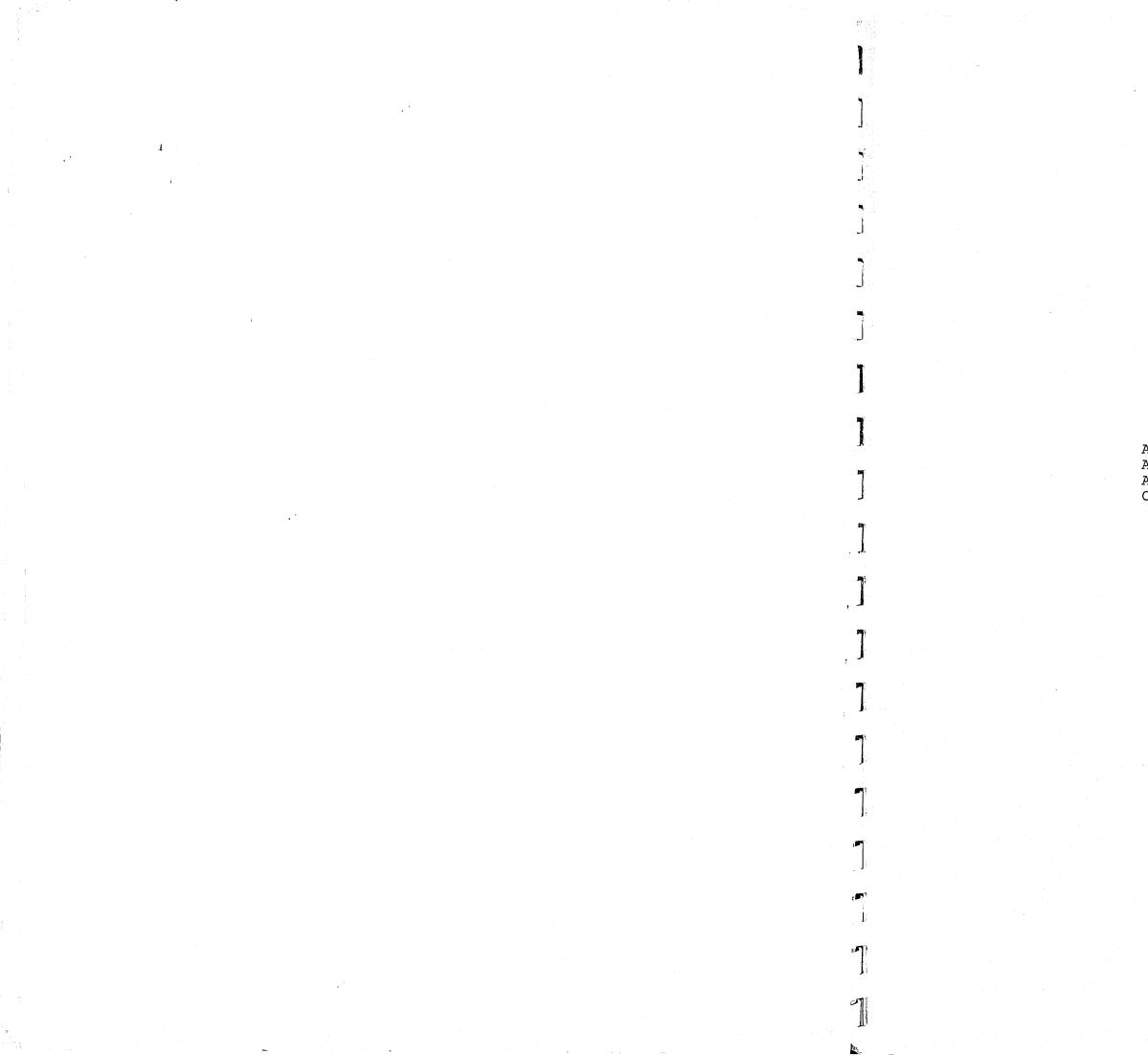
COURTROOM

Acoustics The room acoustics are good, but the level of ambient noise (the source is the street) is too high. Trucks use the road on which the courthouse is located, and the noise from these trucks can be substantial. To solve the noise problem, the windows are closed. This action, during the summer, causes another problem : a very hot courtroom. Lighting The lighting levels are fair. There are 48 single incandescent lamps dotted about the ceiling.

HEARING ROOM

the back of the building. Lighting Two rows of fluorescent lights give a fair level of light.

Acoustics The room acoustics are good. Ambient noise is not as bad as that in the courtroom, since this room is at



APPENDIX AN ANNOTATED BIBLIOGRAPHY: ACOUSTICS, COLOR, LIGHTING, COURT ARCHITECTURE

ACOUSTICS

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, <u>1</u>

Beranek, Leo L. Acoustics. New York: McGraw-Hill, 1954.

(An exhaustive and technically detailed explanation of acoustics from the professional standpoint. Prof. Beranek, a senior acoustical consultant for Bolt, Beranek and Newman, is one of the foremost authorities on acoustical design).

Day, B.F., Ford, R.D., and Lord, P., Building Acoustics. New York: American Elsevier Publishing Company, 1969.

(A simple and straightforward discussion of acoustics as it is related to building shapes and materials. Information is presented in essentially graphical and tabular form).

Egan, M. David. Concepts in Architectural Acoustics. New York: McGraw-Hill, 1972.

(David Egan, a former student of Professors Beranek and Newman at M.I.T., has developed a book, which although detailed, is understandable even to the layman. Presented are the basics of building acoustics in a graphical format.)

Rettinger, Michael. Acoustics: Room Design and Noise Control. New York: Chemical Publishing Co., 1968.

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Sabine, Wallace Clement. Collected Papers on Acoustics. New York: Dover Publications, 1944.

(A collection of essays by the man who, in twenty short years (1895-1915) brought acoustical science from infinicy to maturity. Two articles of primary interest here: "The Correction of Acoustical Difficulties", pp. 131-162, and "Architectural Acoustics", pp. 219-236. While these article refer mainly to enclosures such as churches and concert half the fundamentals are equally applicable to courtroom design)

uncomplicated).

(The passages here on noise and its effects are of particular importance, pp.136-144, though the entire book is readable

Sound Control Construction. United Gypsum Company, Chicago, 1972.

(Explains basic theories of acoustics, sound control and measurement in a highly readable form; thorough yet relatively

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Birren, Faber, Light, Color, and Environment. New York: Van Nostrand Reinhold Company, 1969.

(An exhaustive review of technical research into the significance of light, and the biological, visual and psychological effects of color.)

Faulkner, Waldron, Architecture and Color, New York: Wiley-Interscience, 1972.

(An architectural overview of the use of color in building, with some attention given to psychological effects of color on the users. Extensive explanation of color fundamentals.)

McGraw-Hill, 1968.

(A deeper look into color relationships and their importance as factors in design. The emotional and occupational influences of color are also explored.)

LIGHTING

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Hopkinson, R.G., Ana Kay, J.D., The Lighting of Buildings. New York: Praeger, 1969.

(The principles of good lighting from the architect's point of view with emphasis on the subjective and human side of lighting.)

Illuminating Engineering Society, IES Lighting Handbook. New York: Illuminating Engineering Society, 1972.

(A definitive publication of light and light standards. Primarily a reference book, it covers everything from lighting surveys to underwater illumination. Includes a section on lighting in institutions and public buildings.)

Phillips, Derek, Lighting in Architectural Design. New York: McGraw-Hill, 1964.

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American Bar Association and the American Institute of Architects, The American Courthouse: Planning and Design for the Judicial Process, Ann Arbor: The University of Michigan Law School, 1973.

(Extensive information on the planning, design and operation of judicial facilities. Special attention given to movement within the facilities, circulation patterns and space requirements.)

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(A brief discussion of findings in a project undertaken by a group of architecture students at Berkeley, to examine redesign of courtrooms from an architectural standpoint.)

