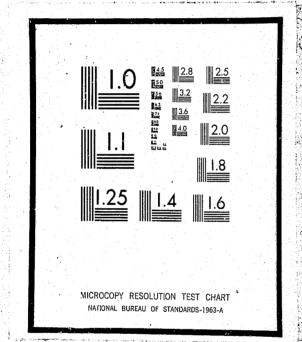
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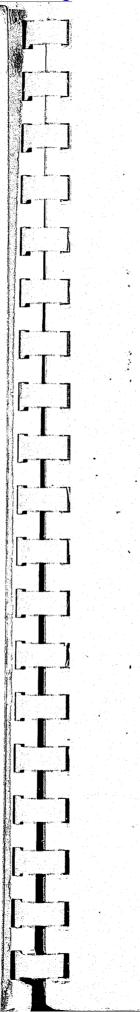


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Date filmed





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:

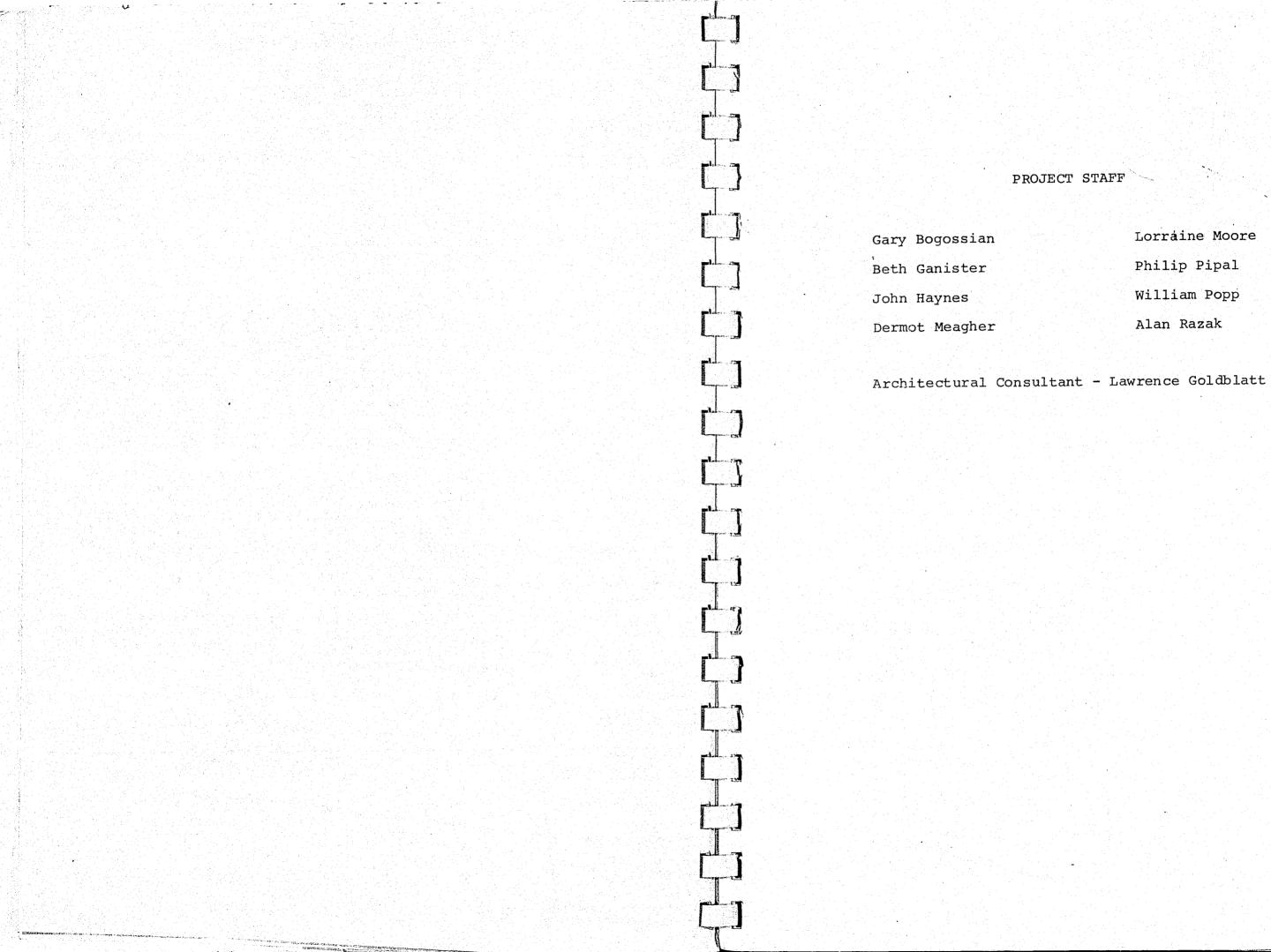
We are pleased to send you our study of the facilities for all courts in Bristol County with special attention paid to the Superior Court and the Probate Court facilities in that county. This study was undertaken as the result of your request to us last summer to investigate the status of court facilities 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,

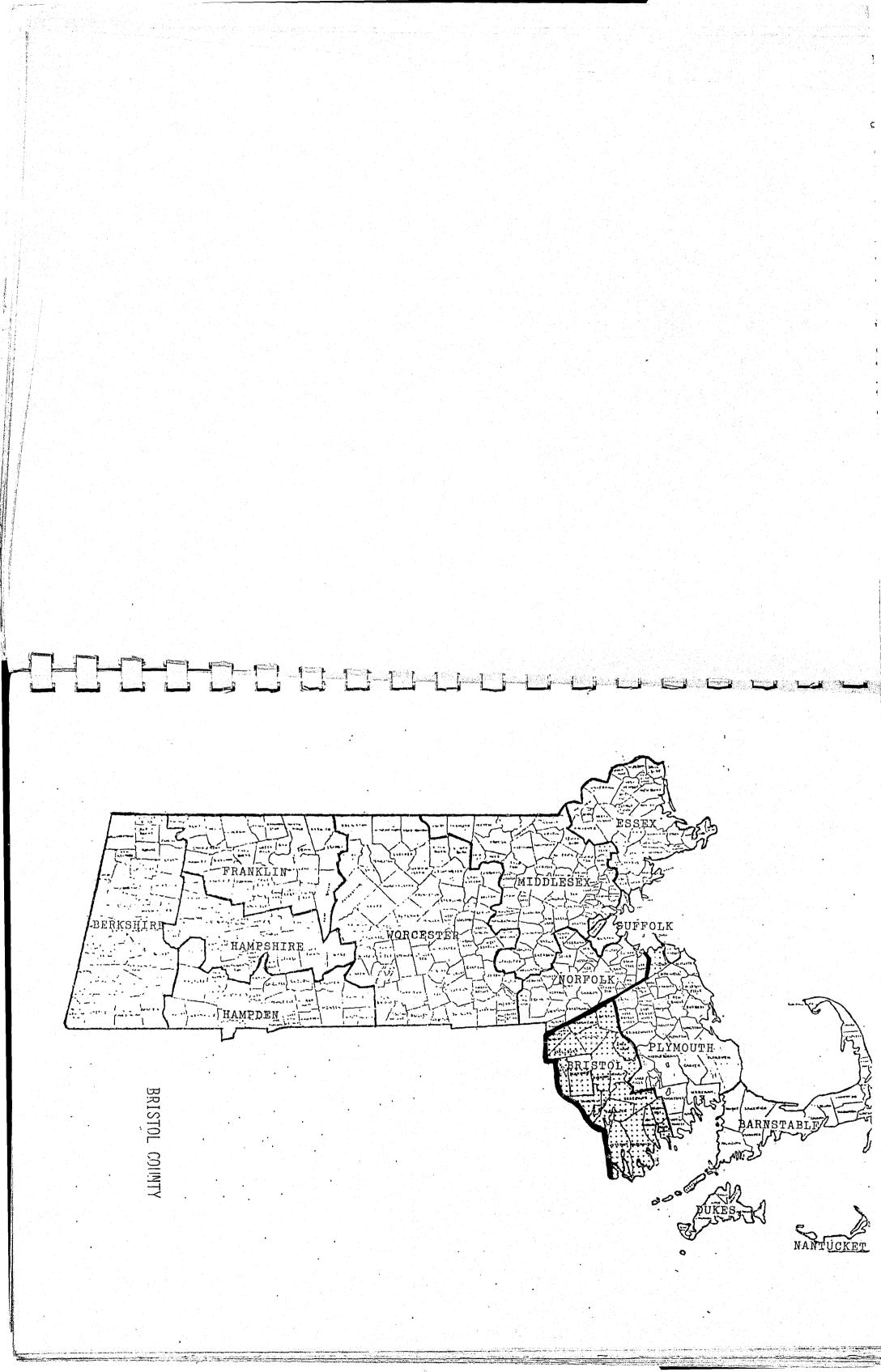
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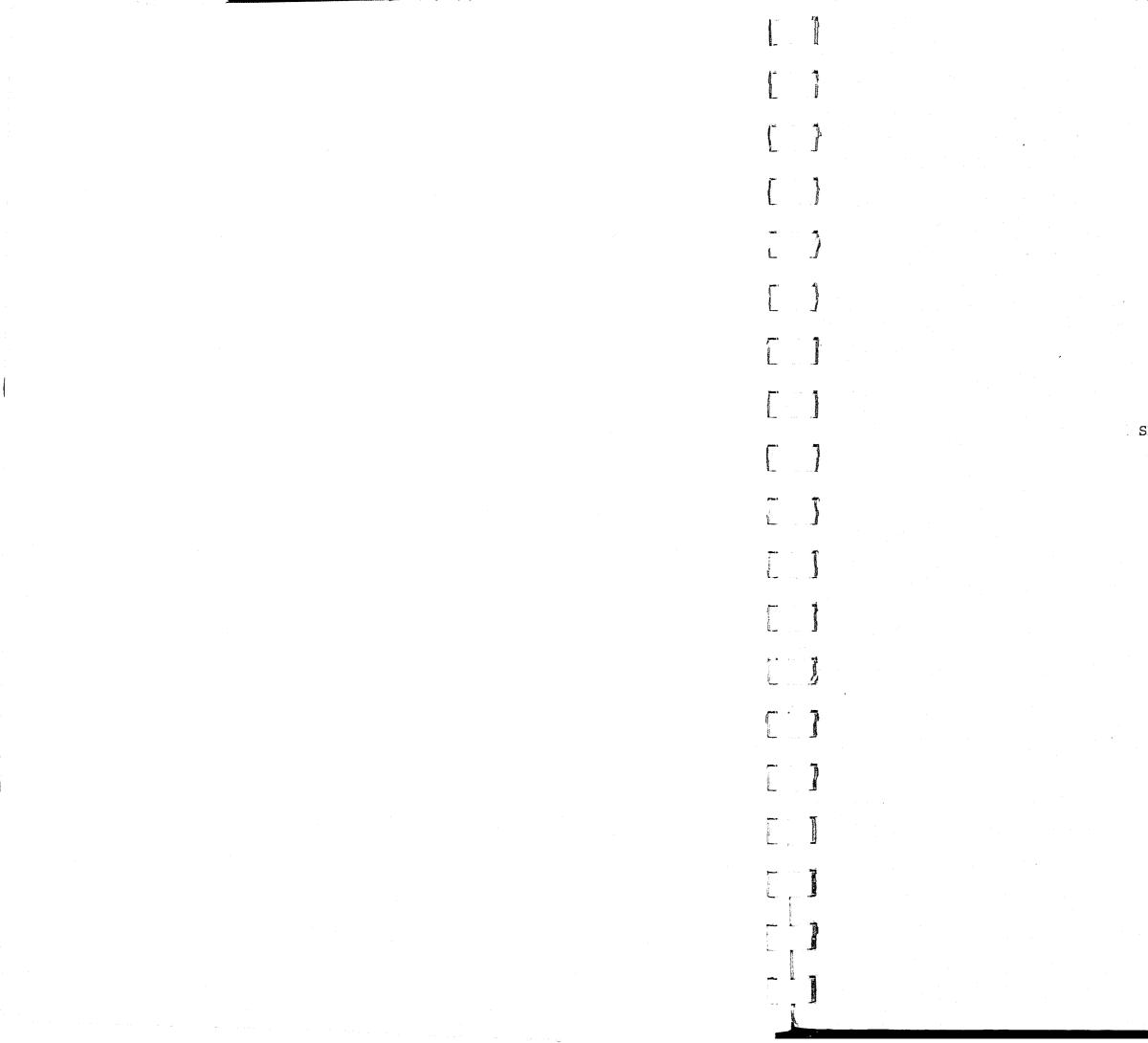
Lorraine Moore Philip Pipal William Popp Alan Razak



CONTENTS SPECIAL REMARKS APPENDIX lighting and court architecture

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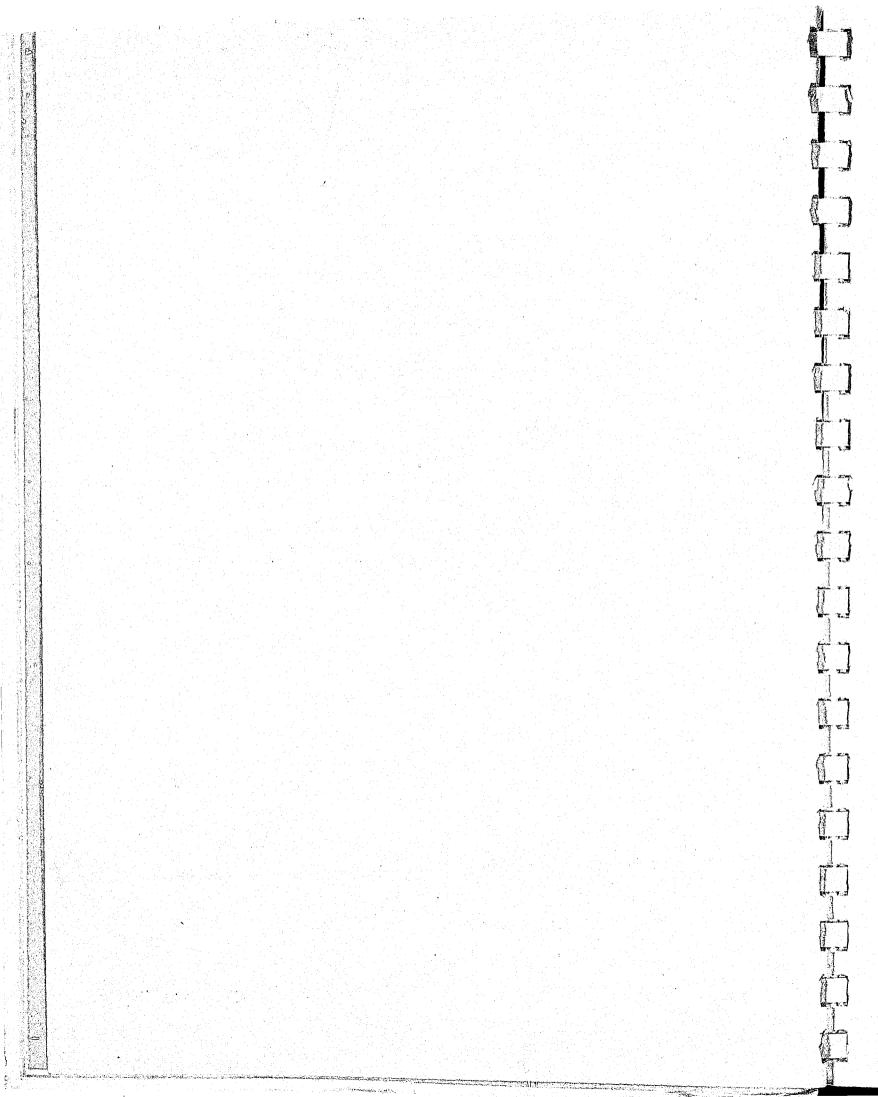
FACILITY PROBLEMS OF THE SUPERIOR COURT IN BRISTOL COUNTY AND THE BRISTOL COUNTY PROBATE COURT

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

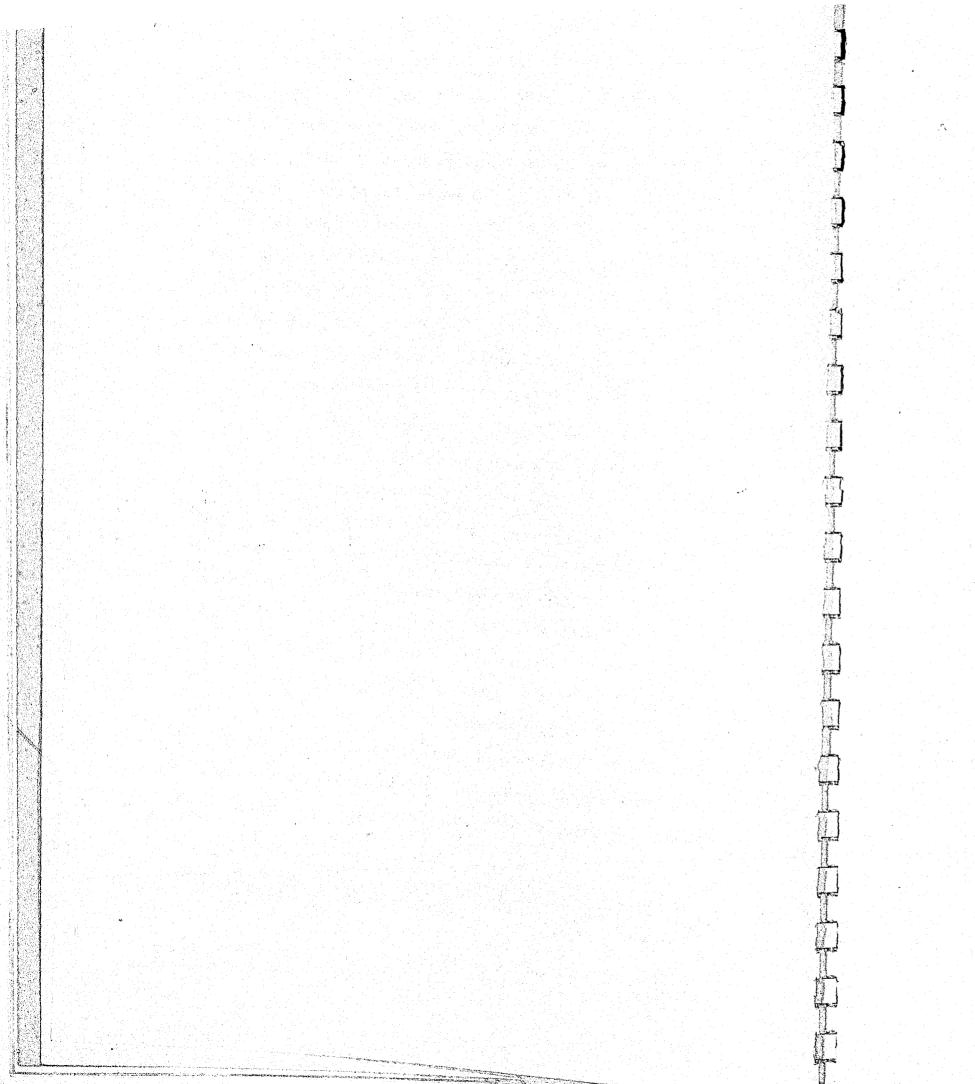


The demands of modern litigation and efficient case movement by courts demand, at the least, two jury sessions. One session can be tied up too easily by a jury trial which stops all other business. For example, it has long been well known, although only recently acknowledged, that one of the chief causes 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.

COURTROOMS

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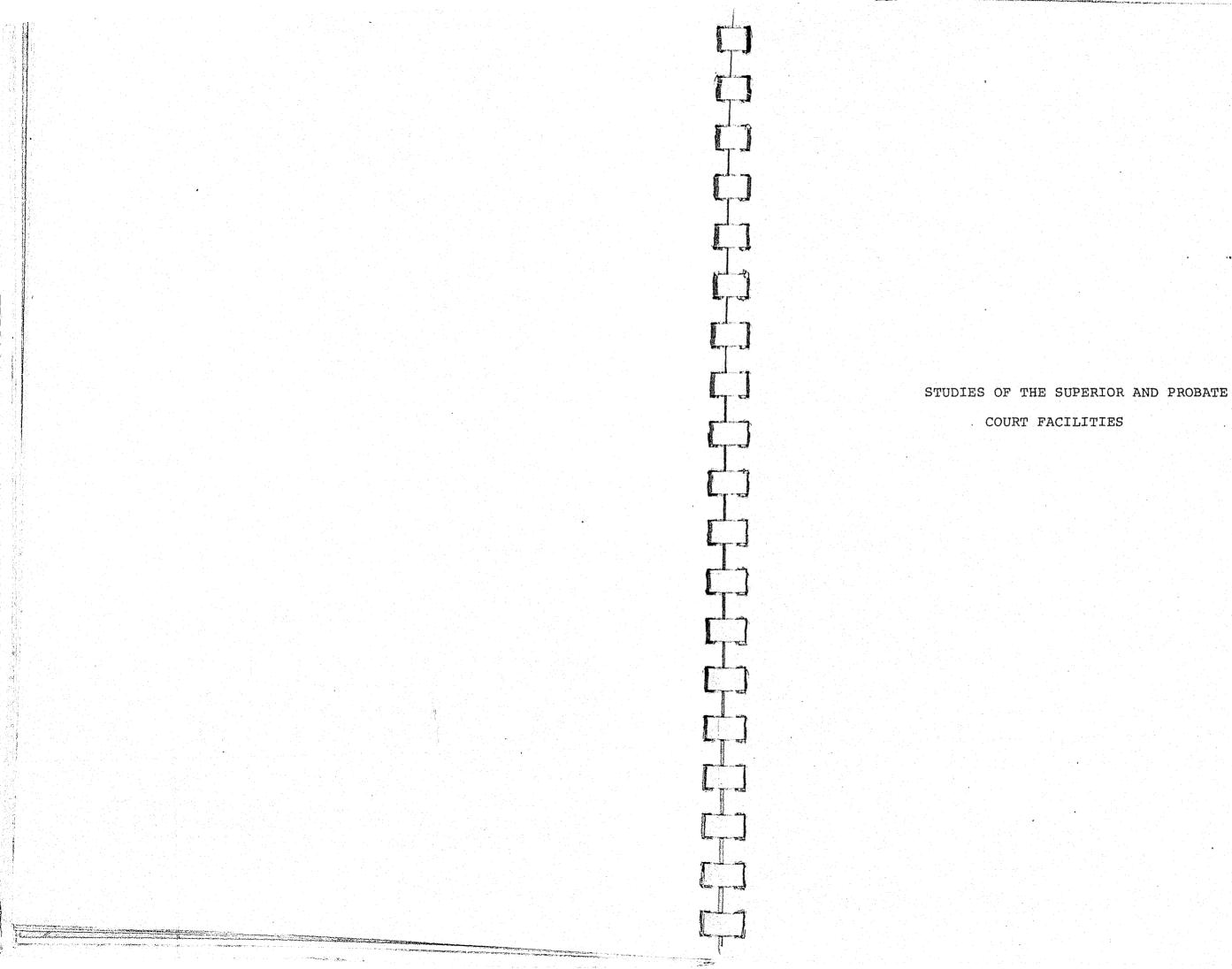
The District Courts in Bristol County do not have jury deliberation rooms.
 However, space now used for conference and other functions might be used for jury deliberations, if needed.

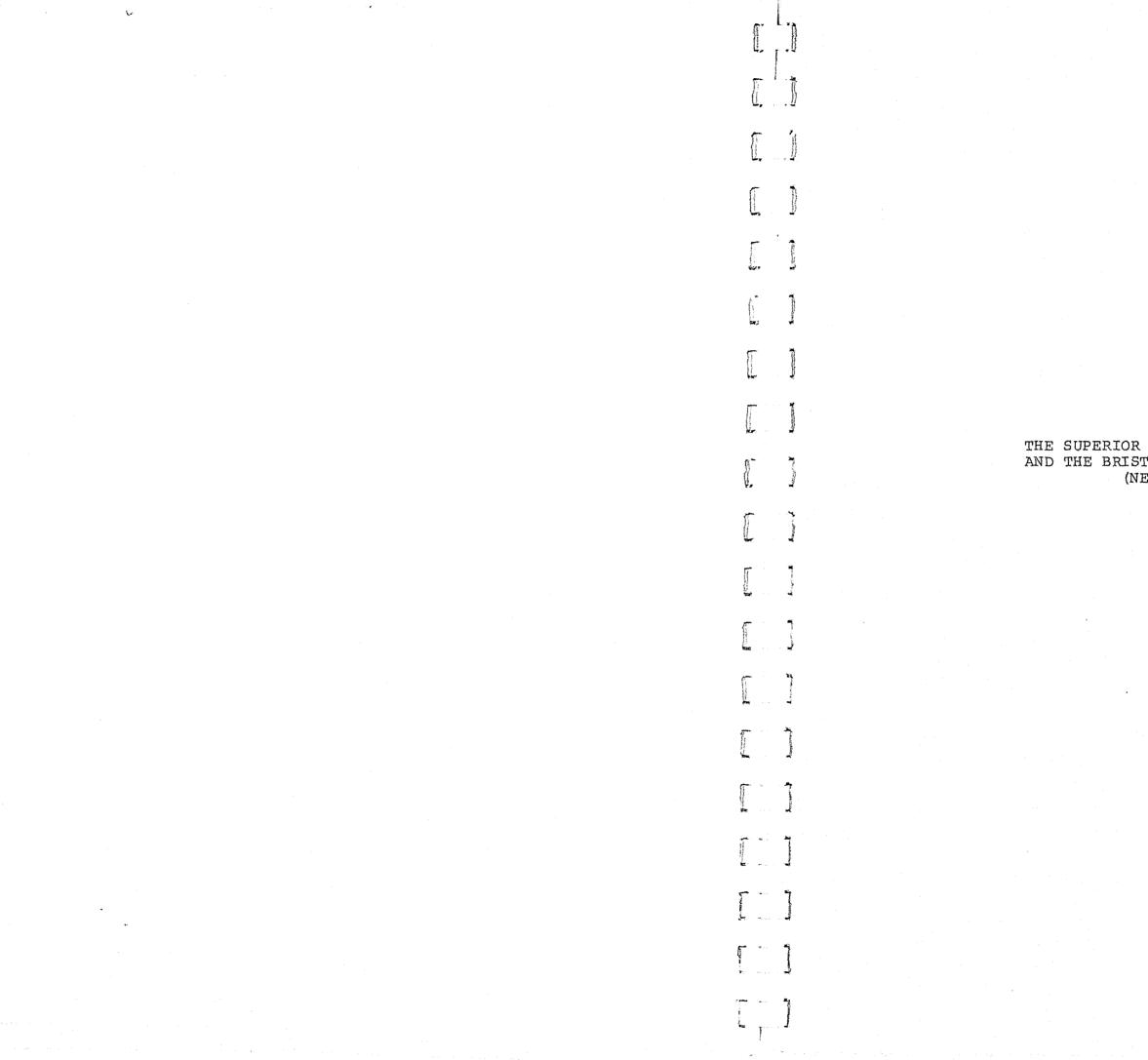
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THE SUPERIOR COURT IN BRISTOL COUNTY AND THE BRISTOL COUNTY PROBATE COURT (NEW BEDFORD)

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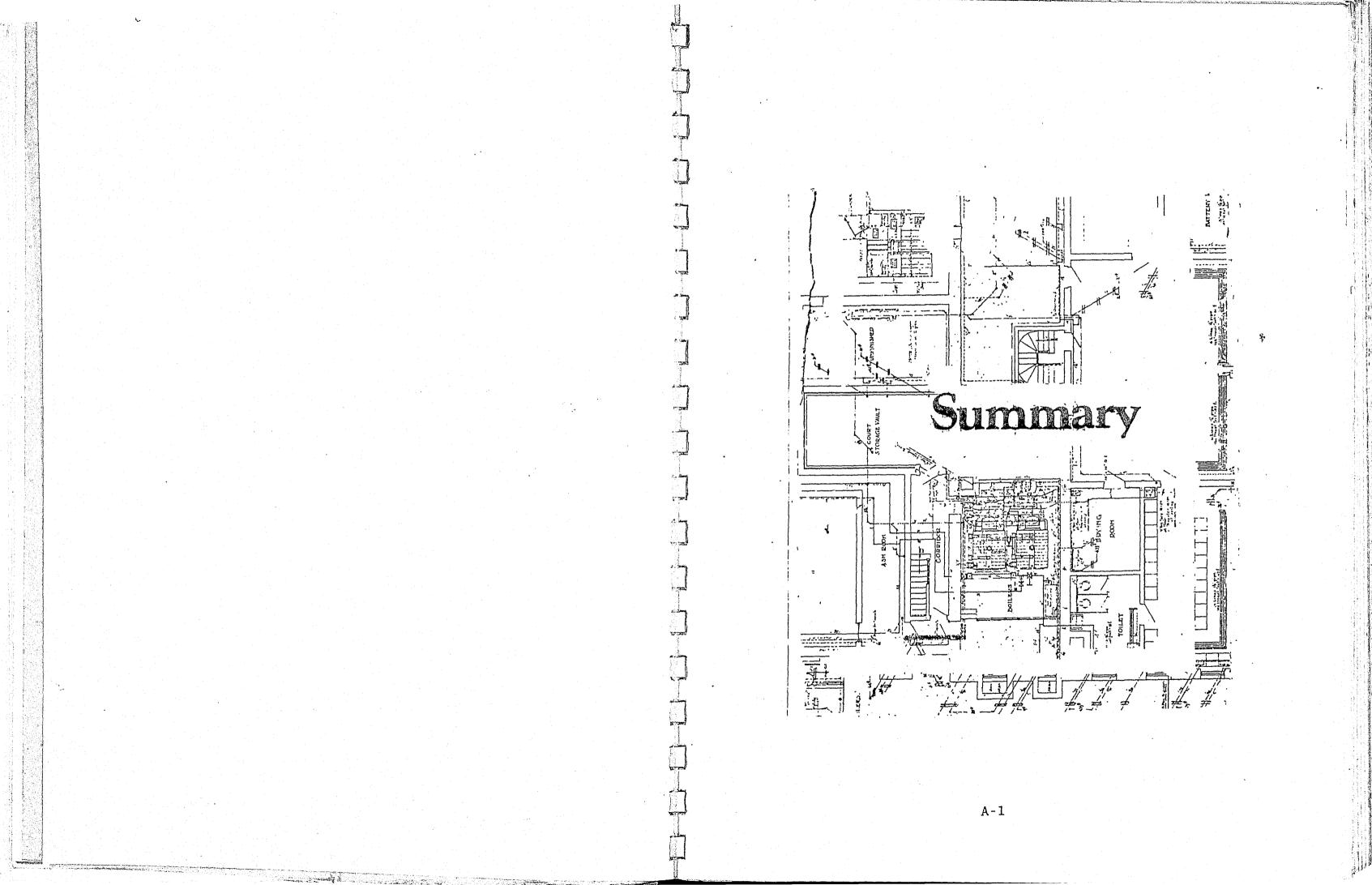
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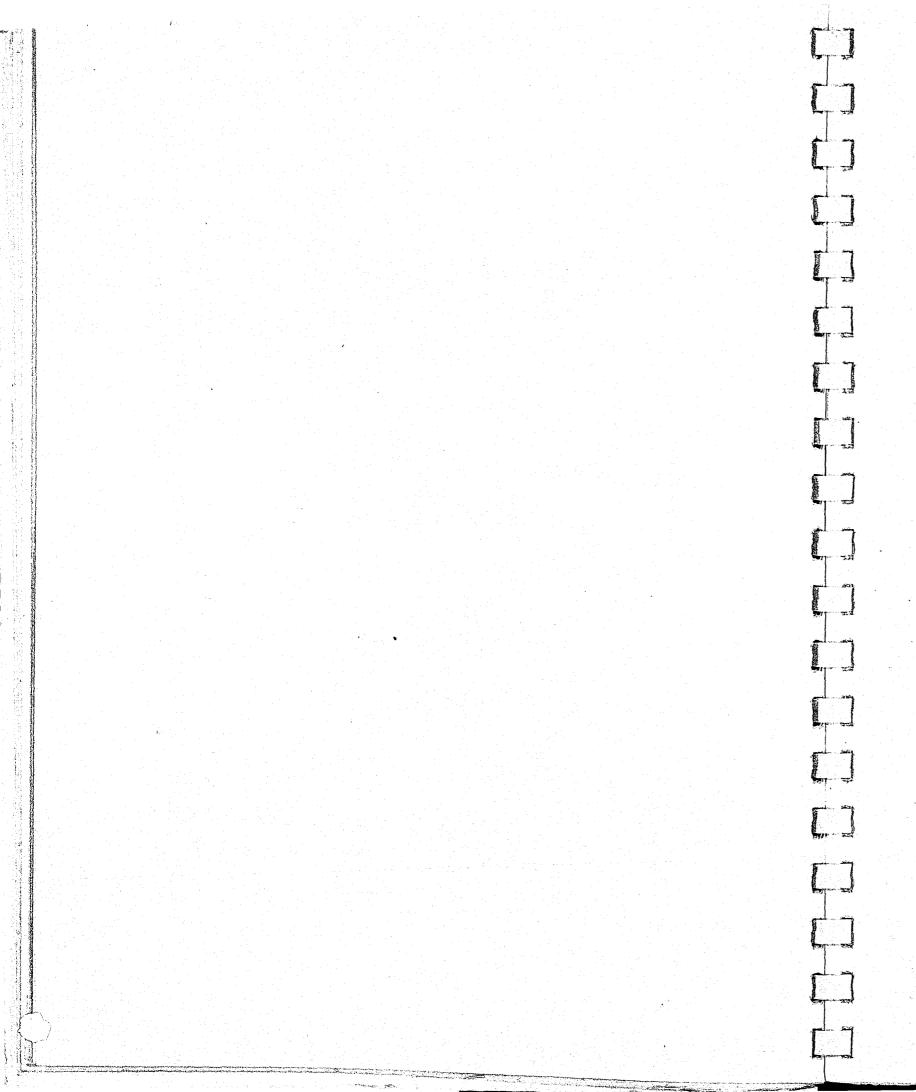
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The Superior Court sits in three locations in Bristol County: Taunton, Fall River and New Bedford. In New Bedford the Superior Court shares a two-story red brick structure with the Probate Court. The building was originally constructed in 1830 with 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.

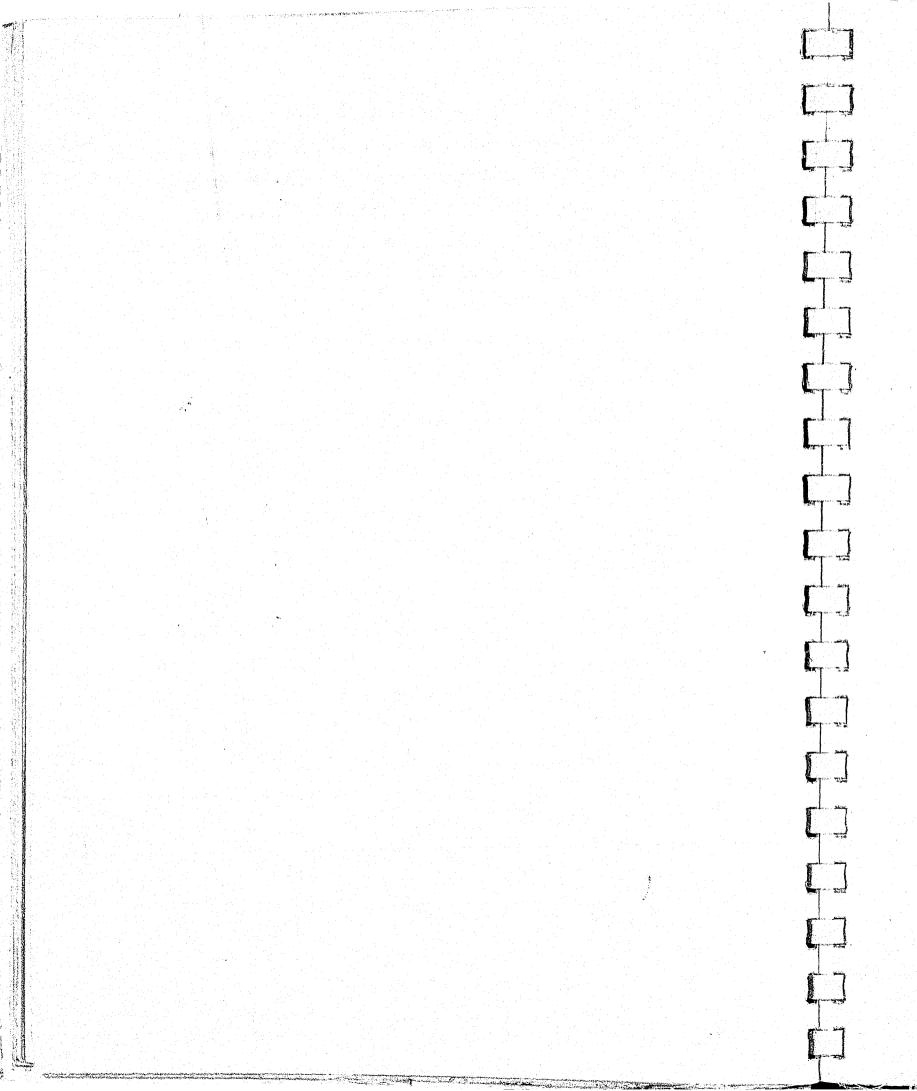
COMMUNITY SERVED, NEIGHBORHOOD, TRANSPORTATION <u>Population</u> The Superior and Probate Courts in New Bedford serve all communities in Bristol County, the population of which is 444,301 (U.S. 1970 census). <u>Neighborhood</u> The courthouse is located in an urban municipal area of New Bedford. Adjacent 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.

A-7

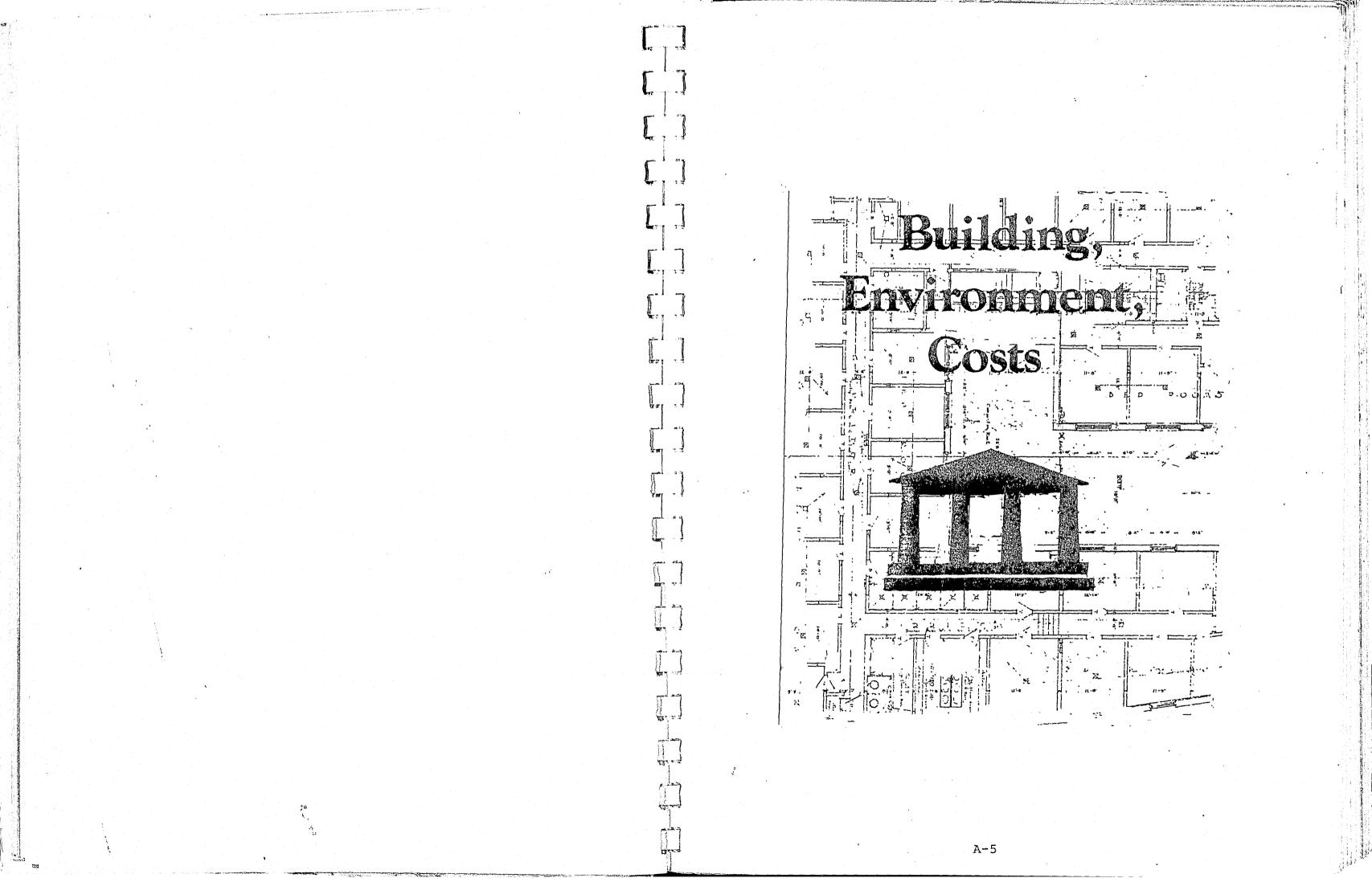
The acoustics in many offices and other rooms are unacceptable due to excessive noise levels. Some readings, however, were affected by noise from outside construction equipment on the street outside the court. Otherwise, attempting to discount the construction noise, the courtroom acoustics seemed to 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.

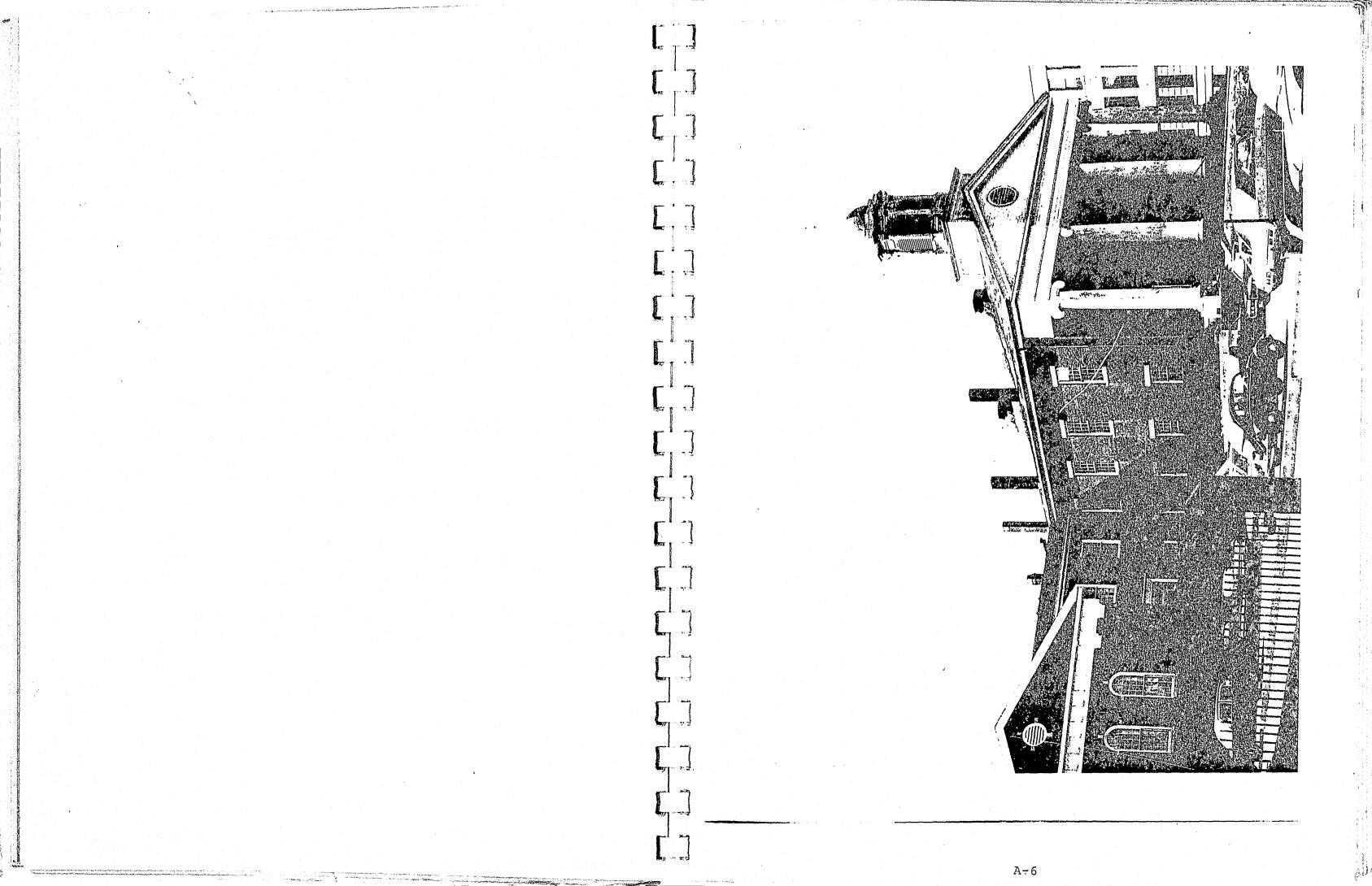
Two other deficiencies of importance were noted: there is inadequate public parking; and there are not enough rooms in the court for lawyer conferences or private conversations. In New Bedford since 1953 the only alteration to the facilities provided for the Superior Court has been a new lobby for the 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.

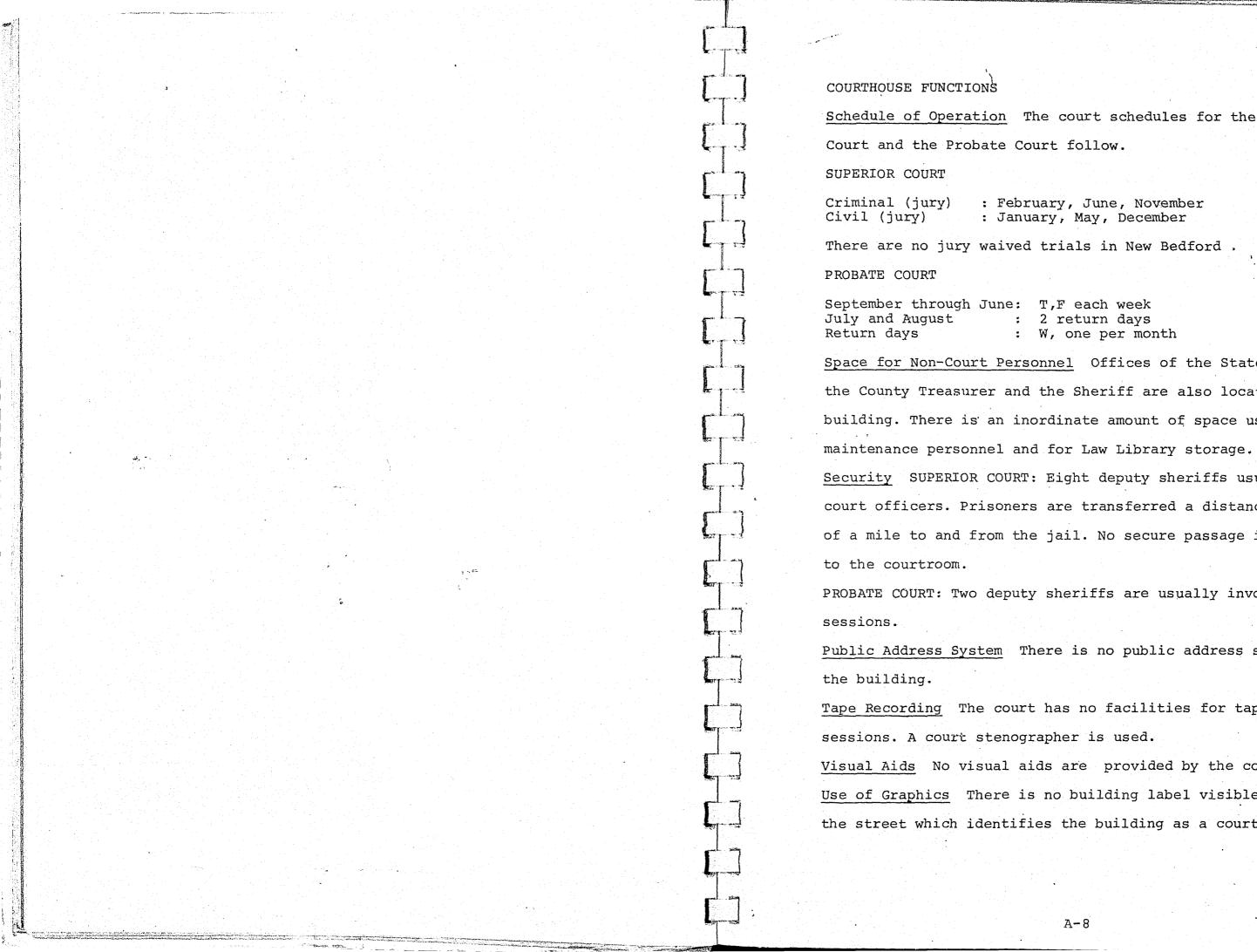
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Also in New Bedford there are no specific hearing rooms for masters or auditors. They use any space available. During our visit an auditor was conferring in the hall with the attorneys for two parties. The Industrial Accident Board, which in other 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

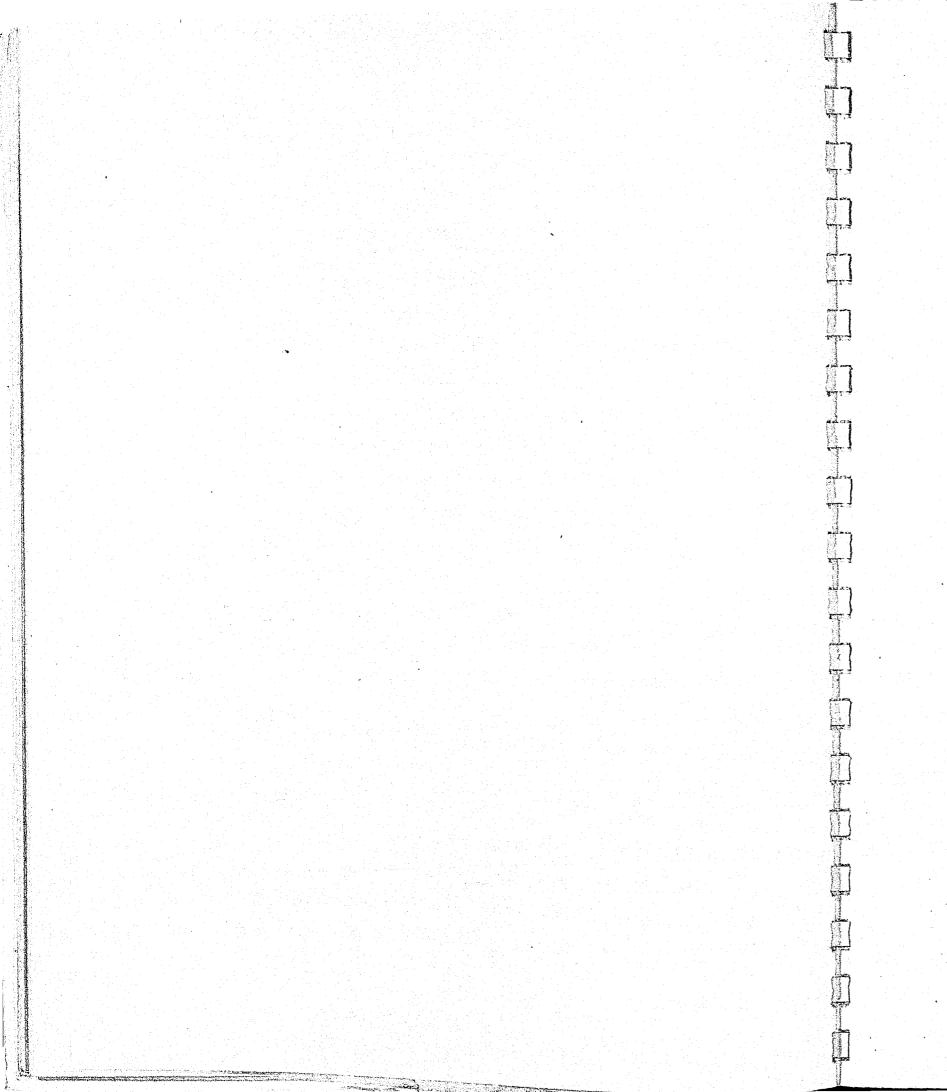
Space for Non-Court Personnel Offices of the State Police, the County Treasurer and the Sheriff are also located in the building. There is an inordinate amount of space used by Security SUPERIOR COURT: Eight deputy sheriffs usually serve as court officers. Prisoners are transferred a distance of 1/10 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.



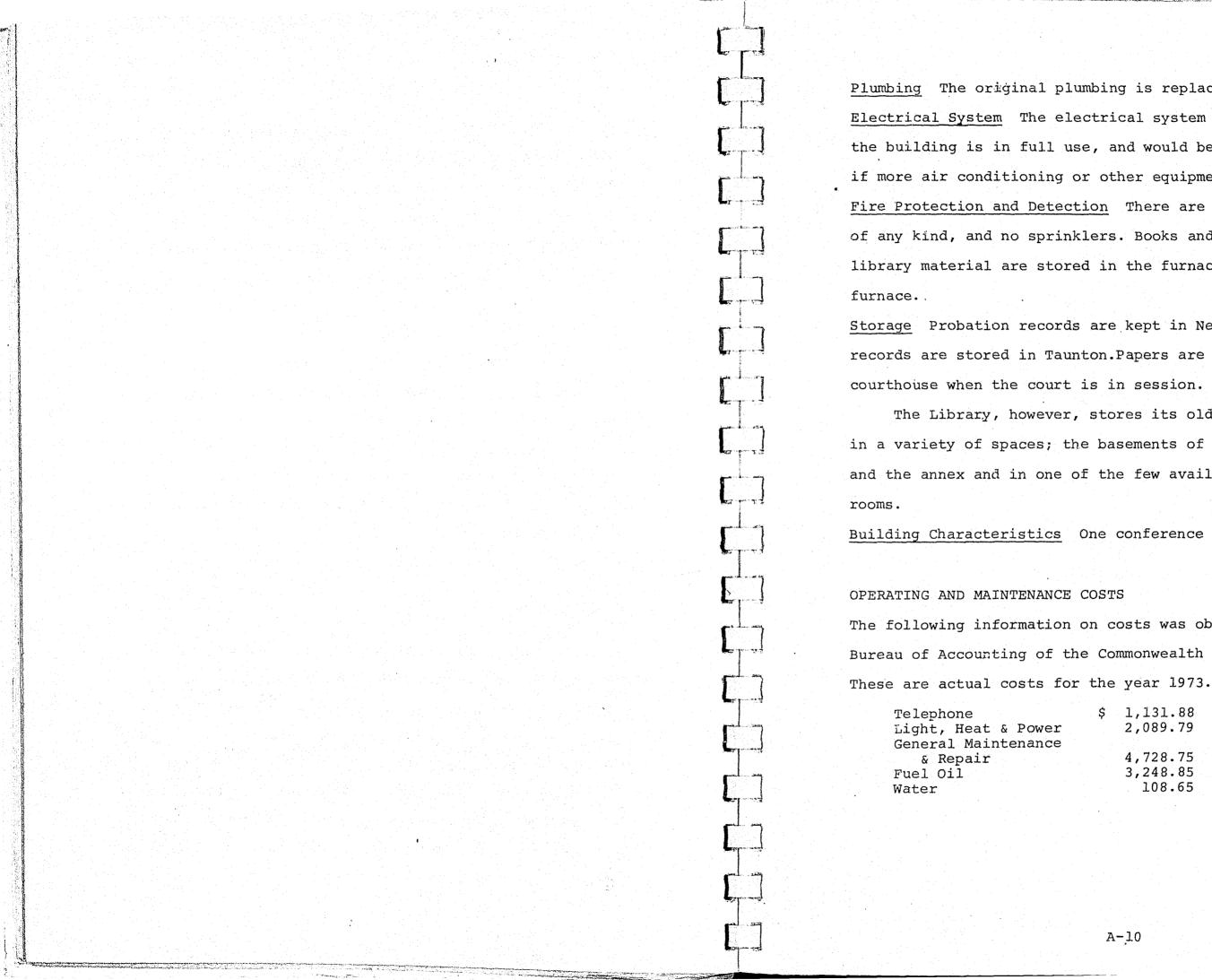
There is no building directory inside the building; many rooms are either mislabeled or lack labels. Those labels that do exist are painted on the window glass of the door. <u>Rest Rooms</u> There are rest rooms on the first floor for the public, but none on the seocnd. There are staff facilities in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

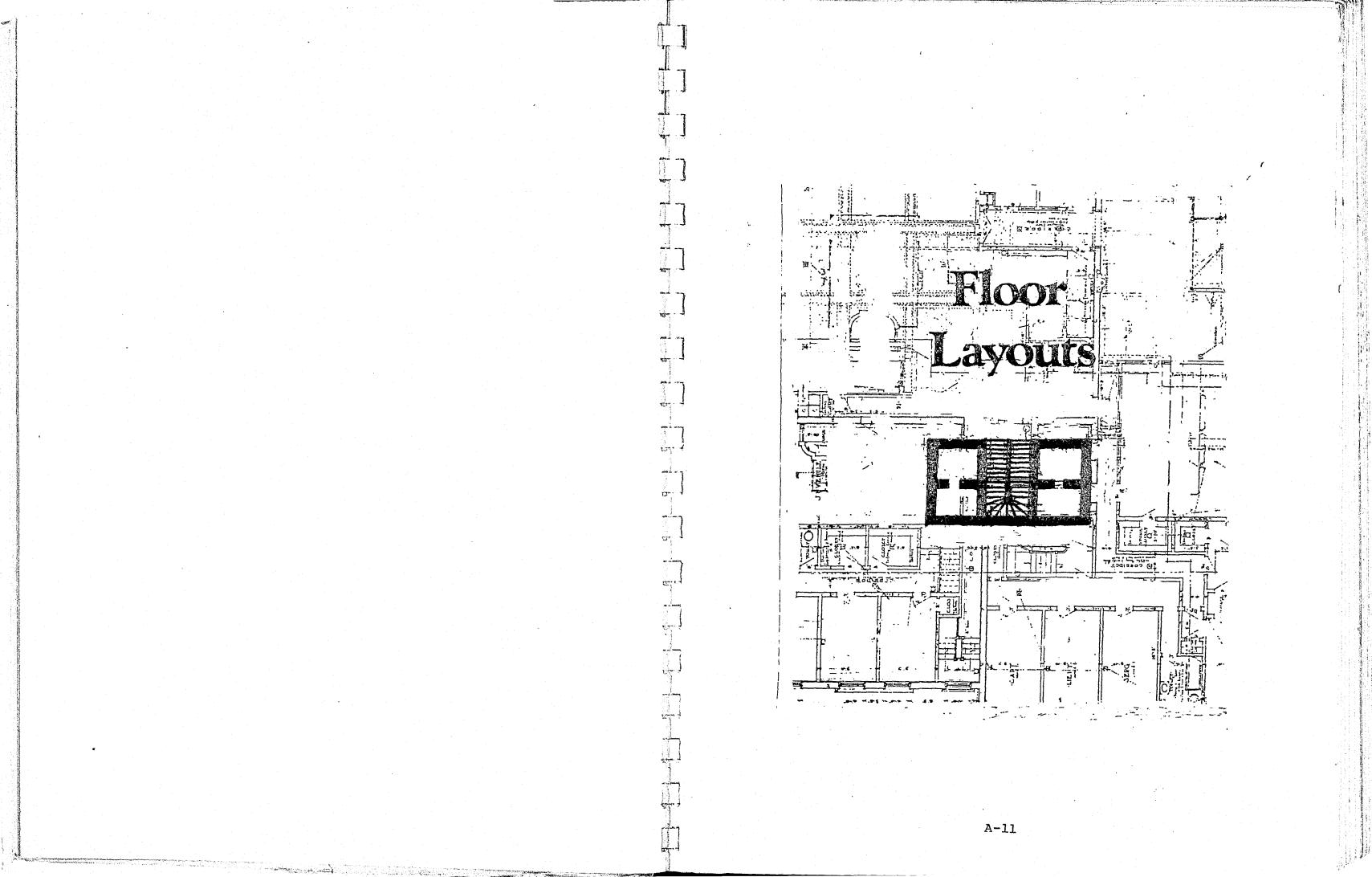
The Library, however, stores its old and unused books in a variety of spaces; the basements of the old building and the annex and in one of the few available conference

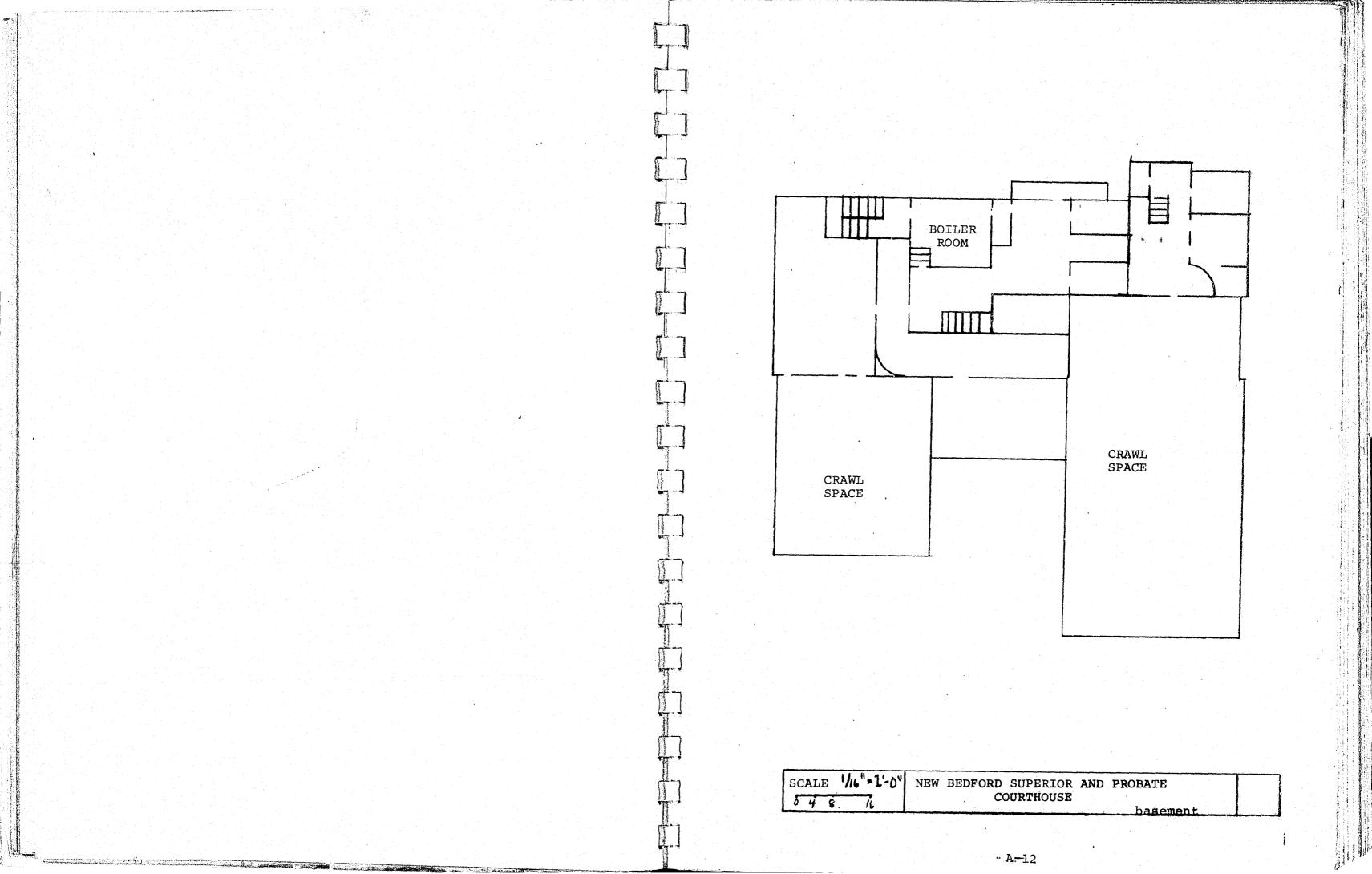
Building Characteristics One conference room is provided.

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

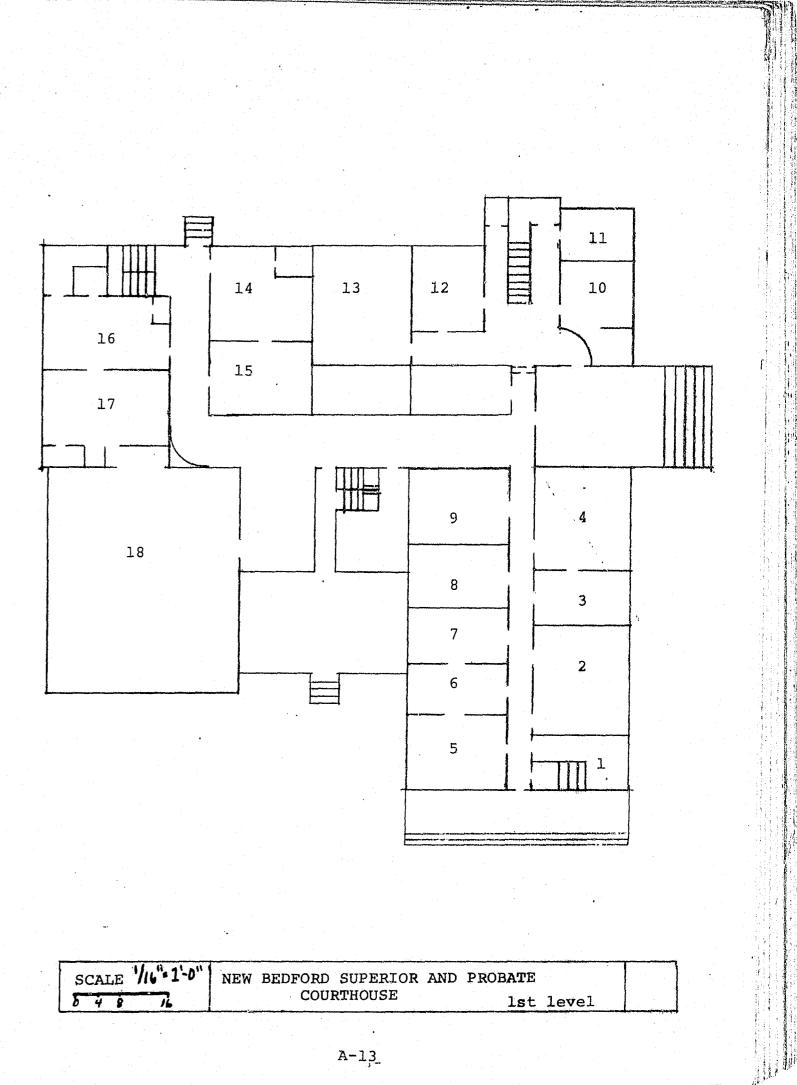
A-10





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

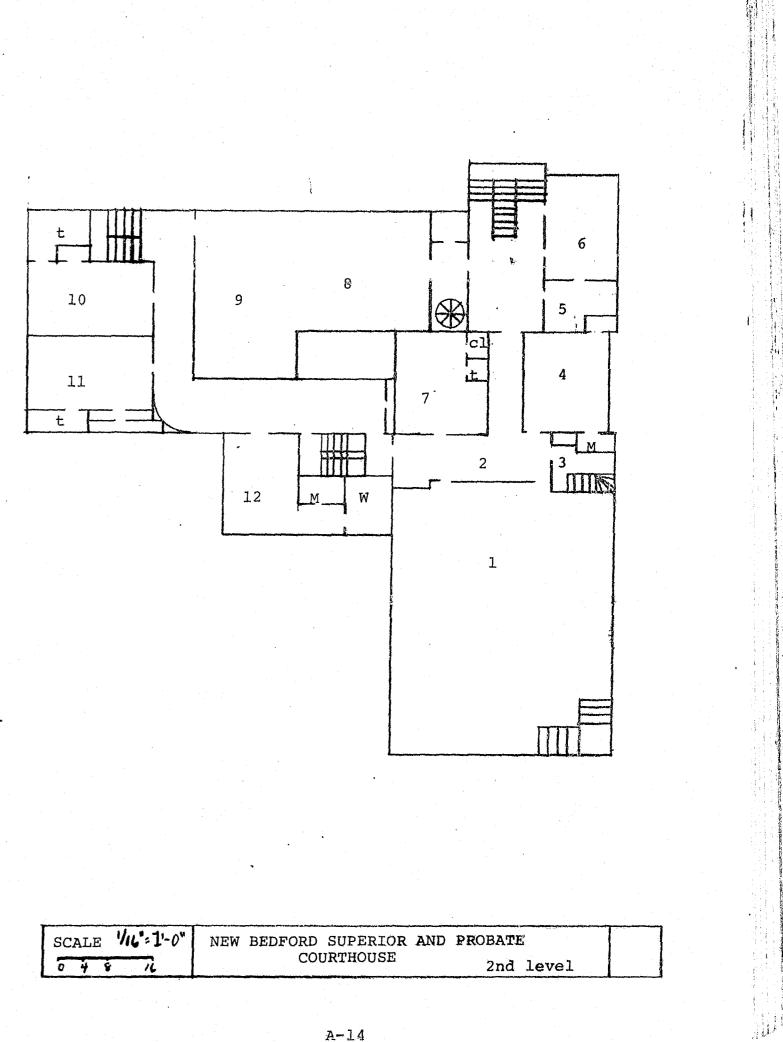


	SCALE 1/16" 1'-0"	NEW	BED
l	548 16		

KEY : SECOND LEVEL

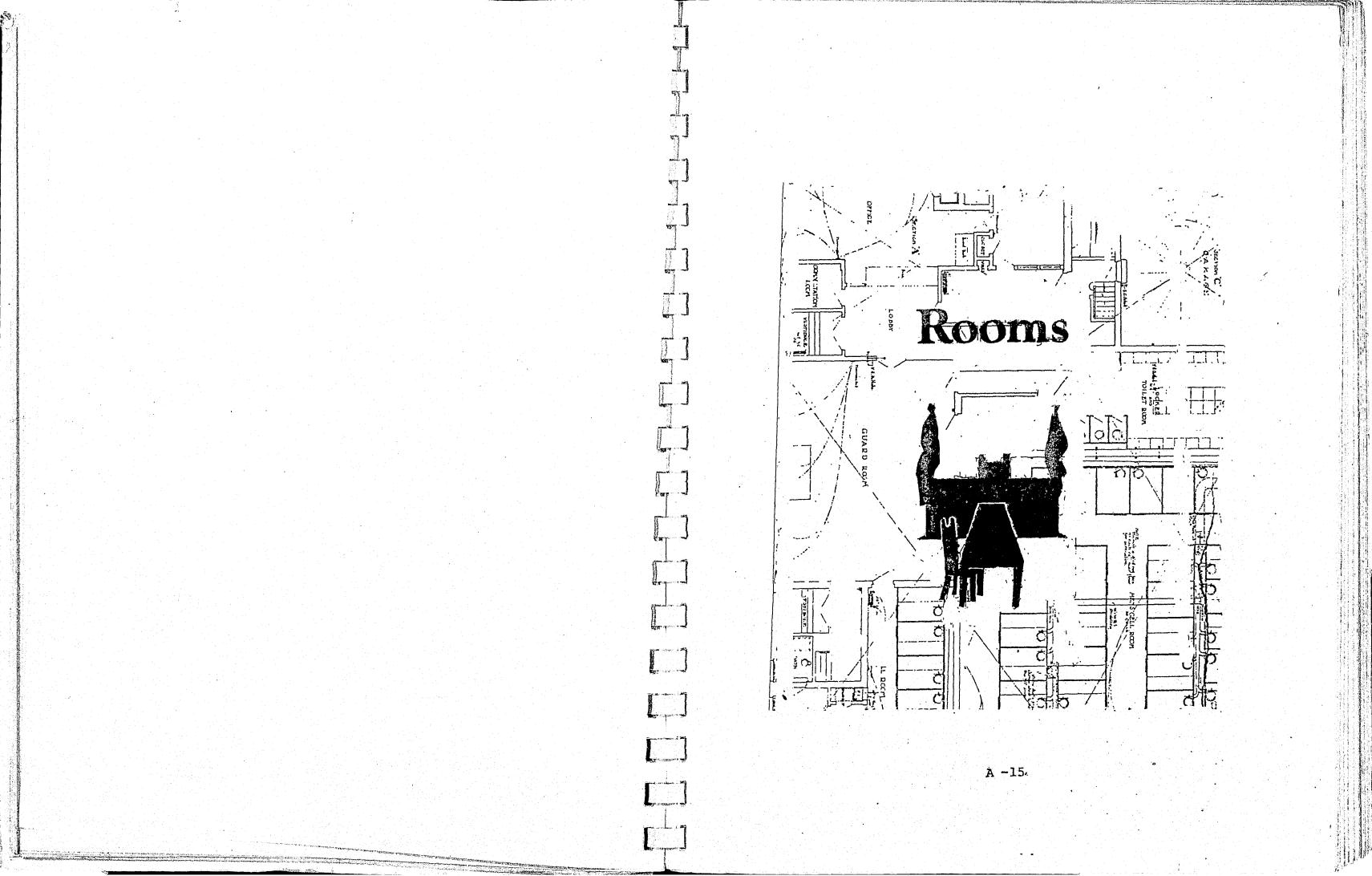
 Superior Courtroom
 Lobby 3. Public Defenders (presently Jurors) Public Defenders (presently
 Detention Area
 Clerk of Courts Office
 Clerk of Courts (Secretary)
 Judge's Lobby
 Law Library
 Law Library Annex
 Women Jurors
 Men Jurors
 Jury Deliberating Room

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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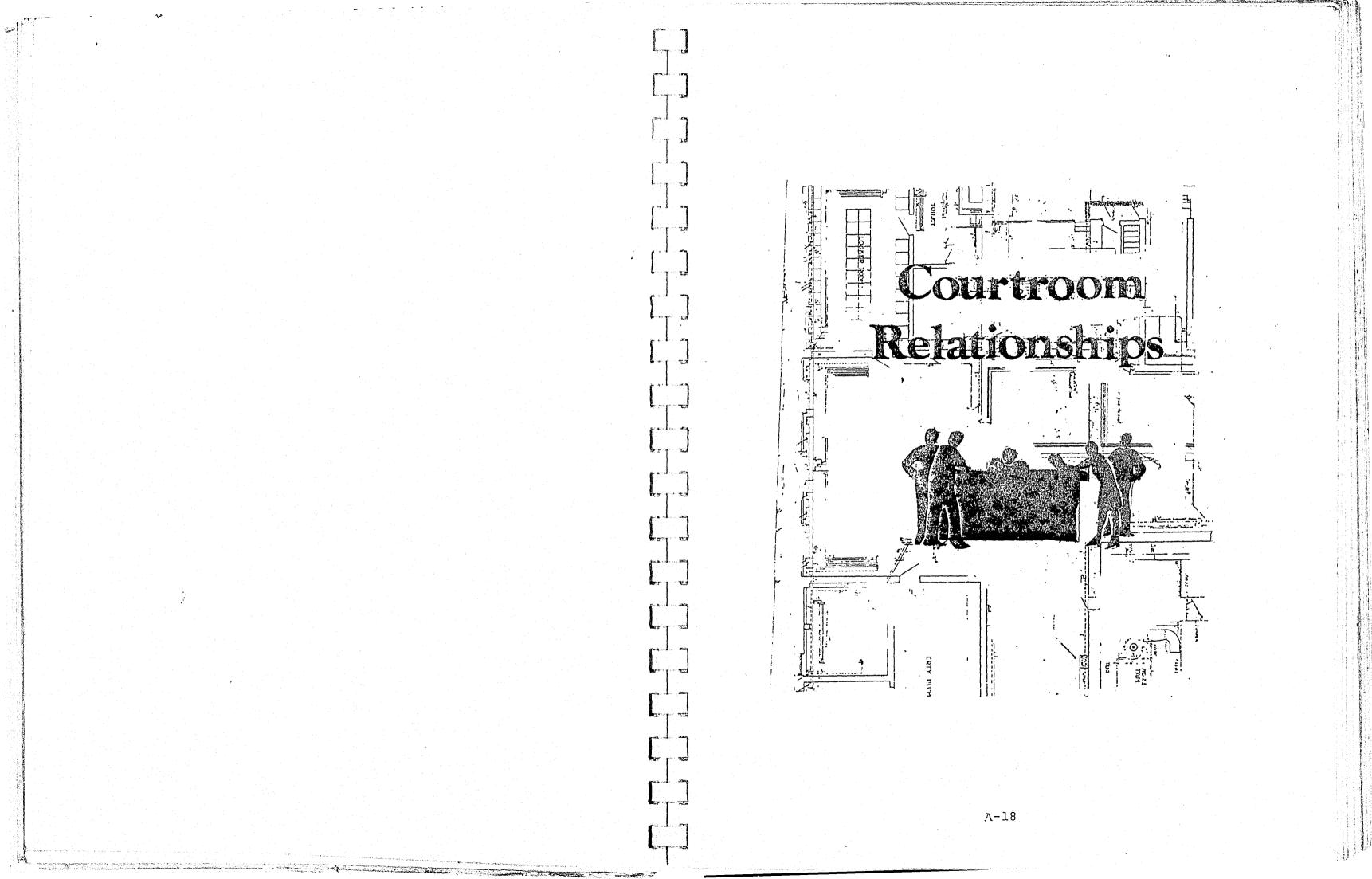
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PP/ WP GOOD 1115 PUB 77 Probate Courtroom

1460

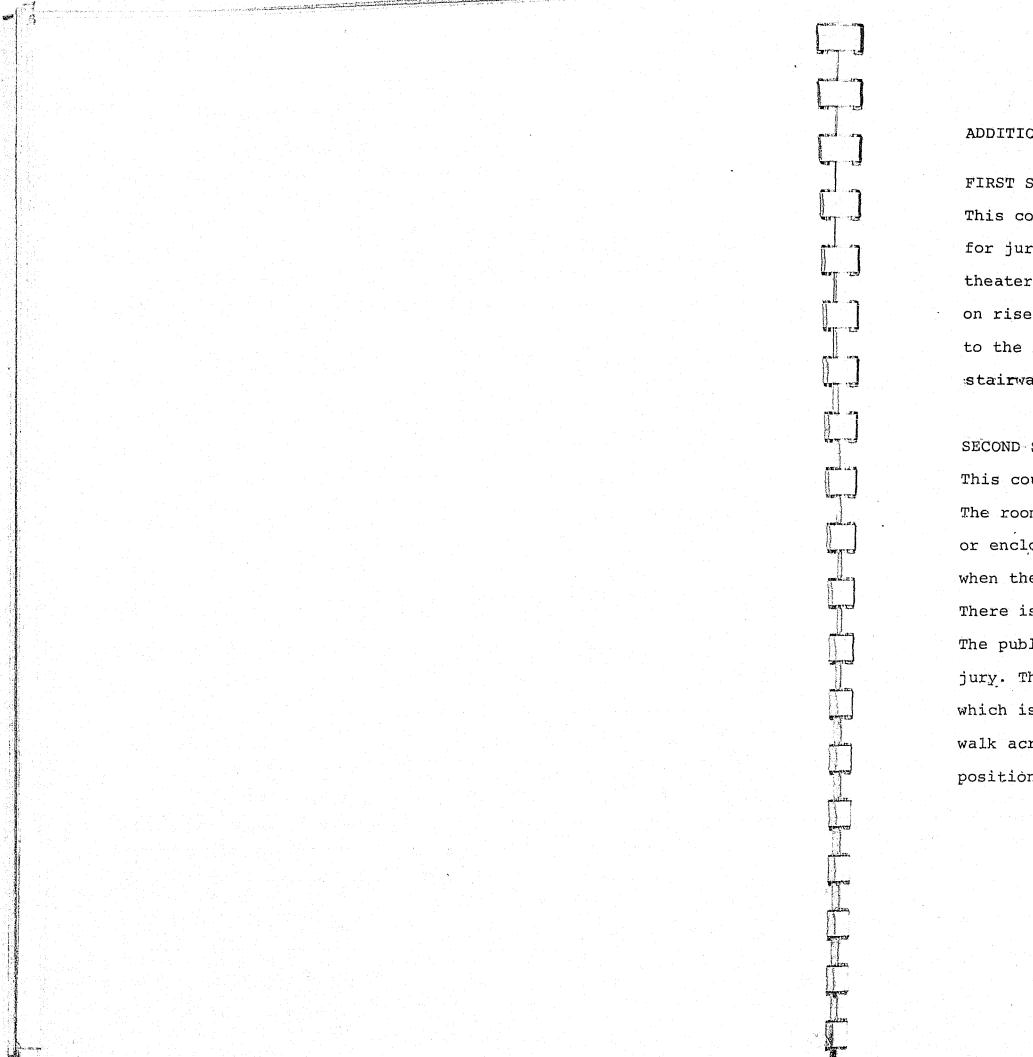
3 10 C GOOD pP GOOD 15' ACC I FAIR N • SECOND FLOOR p₽/ WP PUB 189 Superior Courtroom C/W GOOD Ι 3 20 FAIR 20' ACC POOR N GOOD pP

	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
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		•		•
		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			

		•
		•
· · · · ·	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

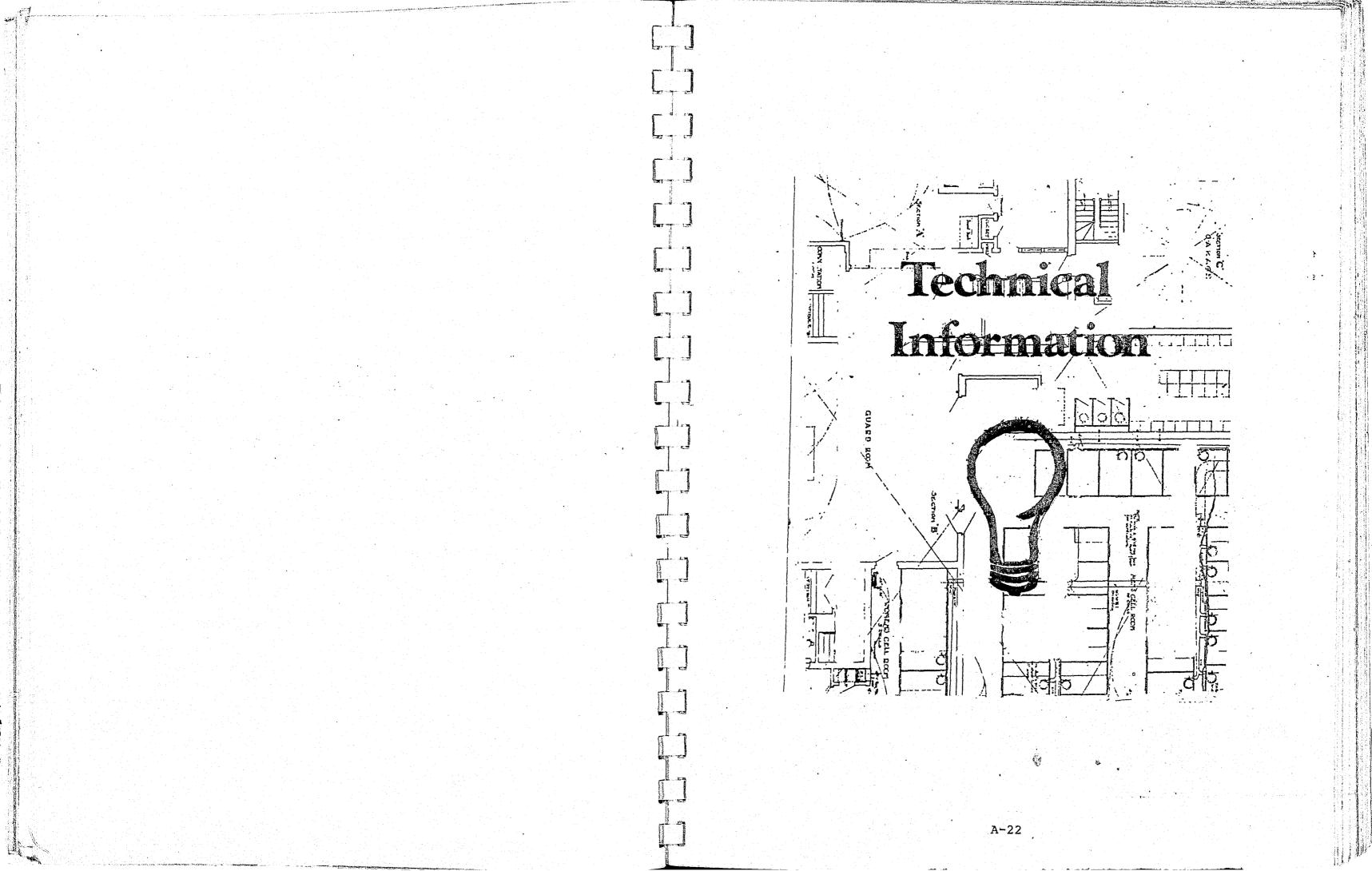
FIRST SESSION

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

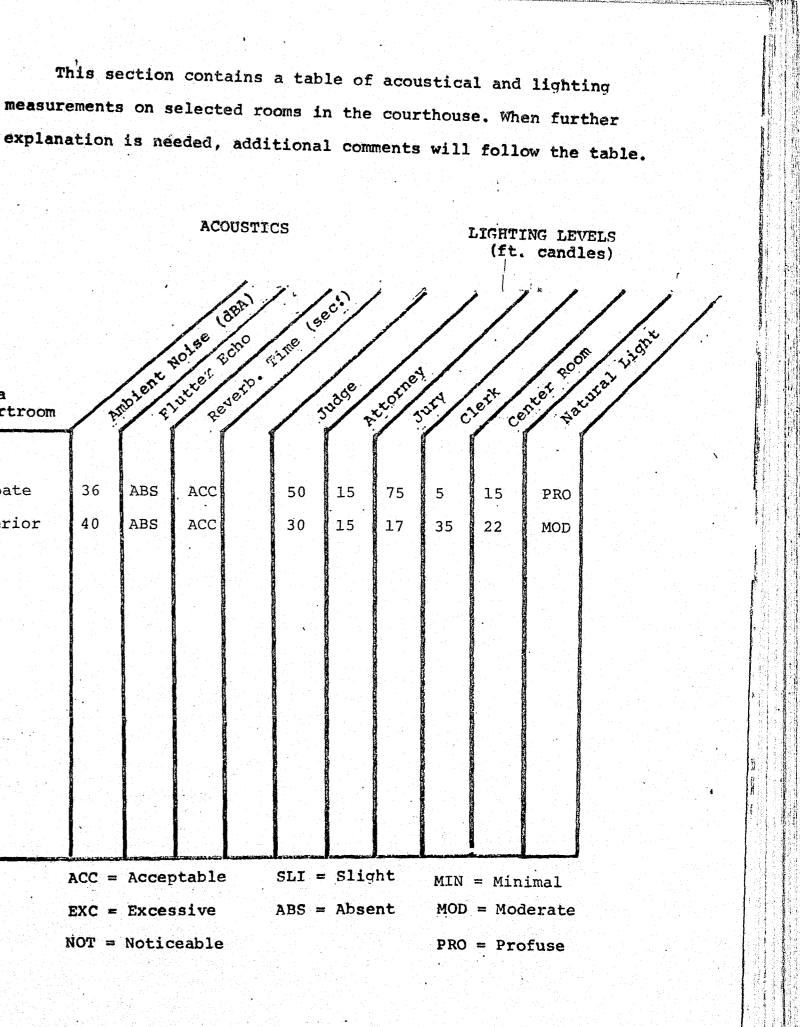
?robate

Superior

ACC = Acceptable

EXC = Excessive

NOT = Noticeable



ADDITIONAL COMMENTS

FIRST SESSION

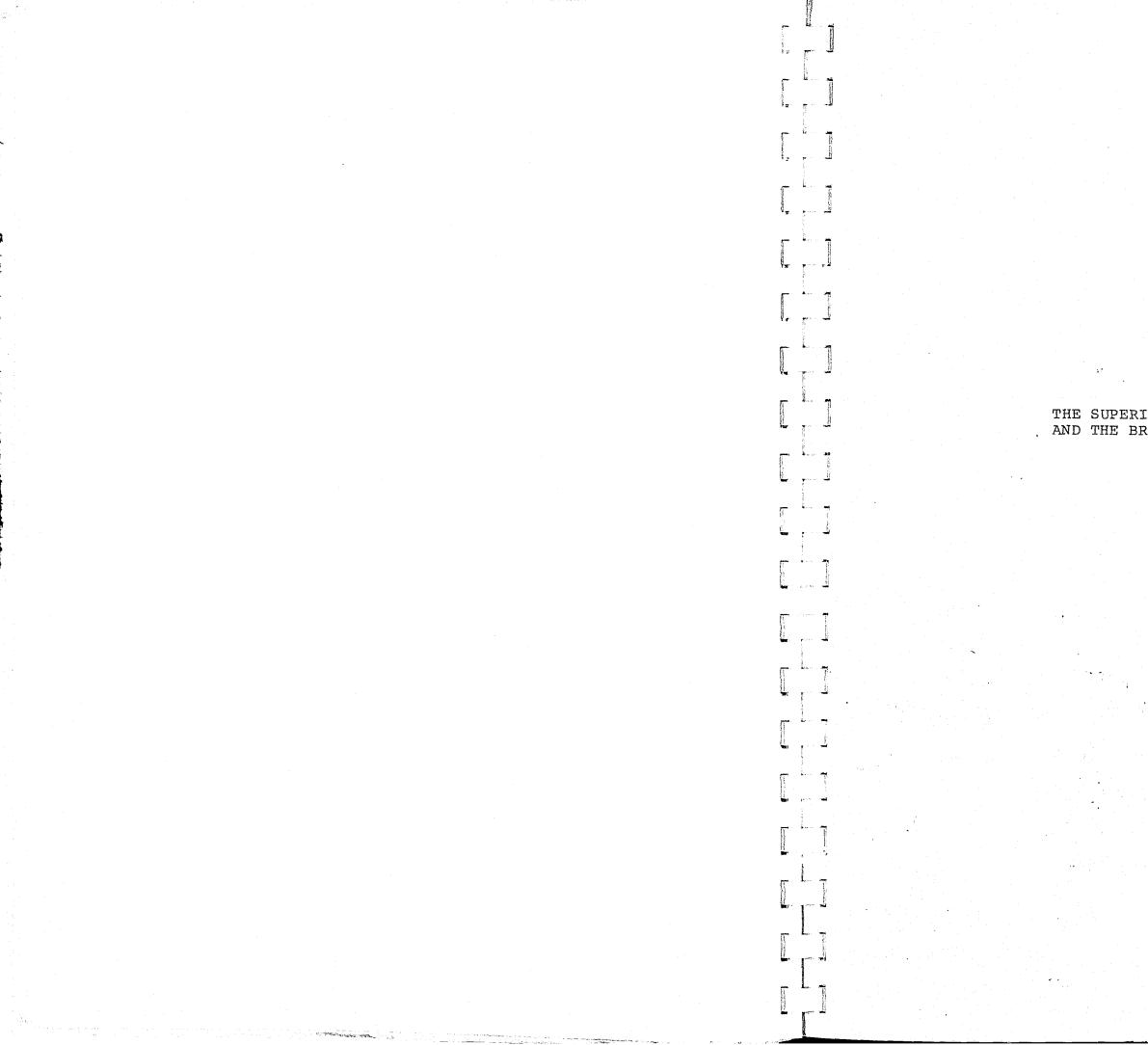
Harden of

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



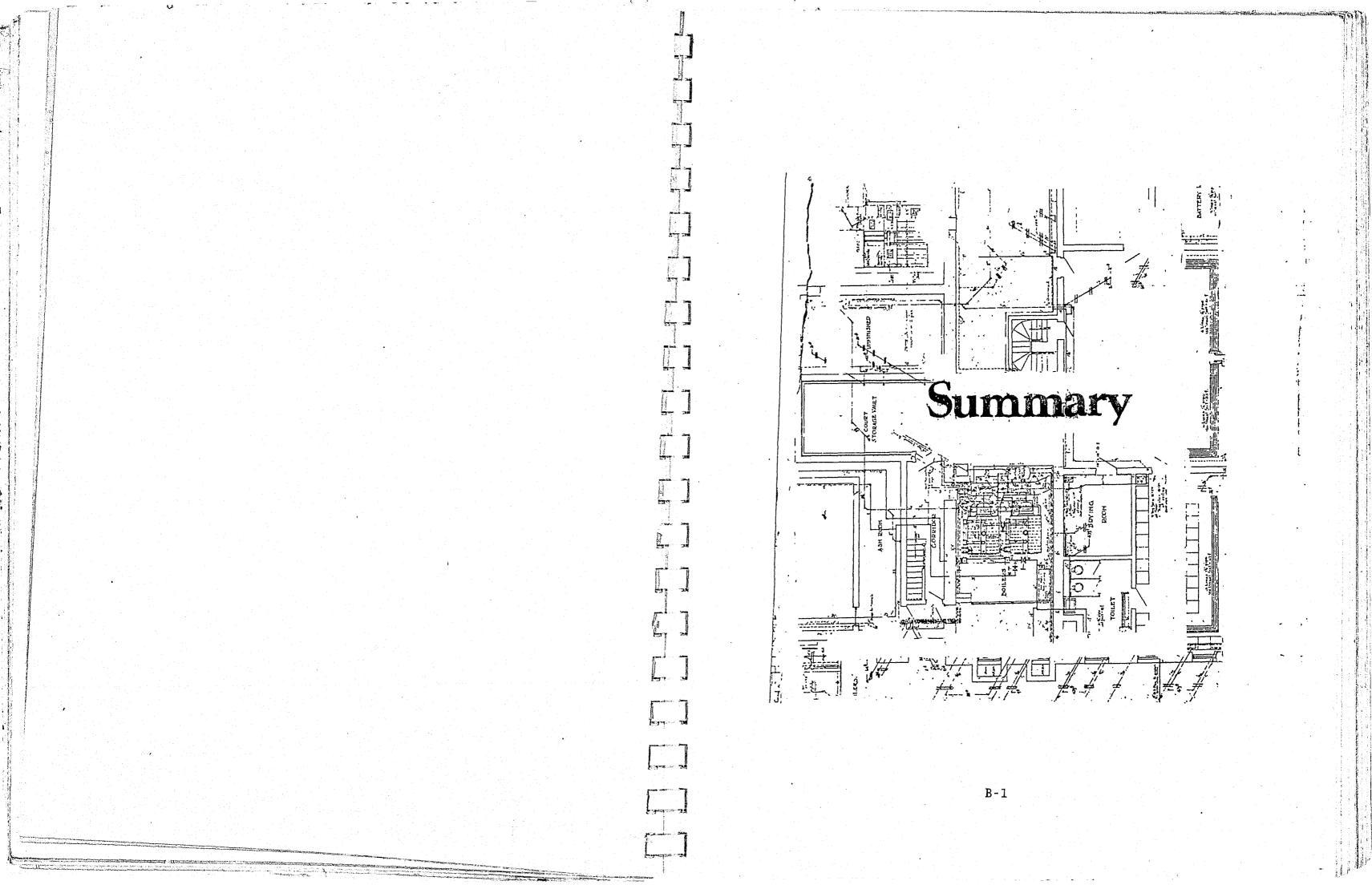
THE SUPERIOR COURT IN BRISTOL COUNTY AND THE BRISTOL COUNTY PROBATE COURT (FALL RIVER)

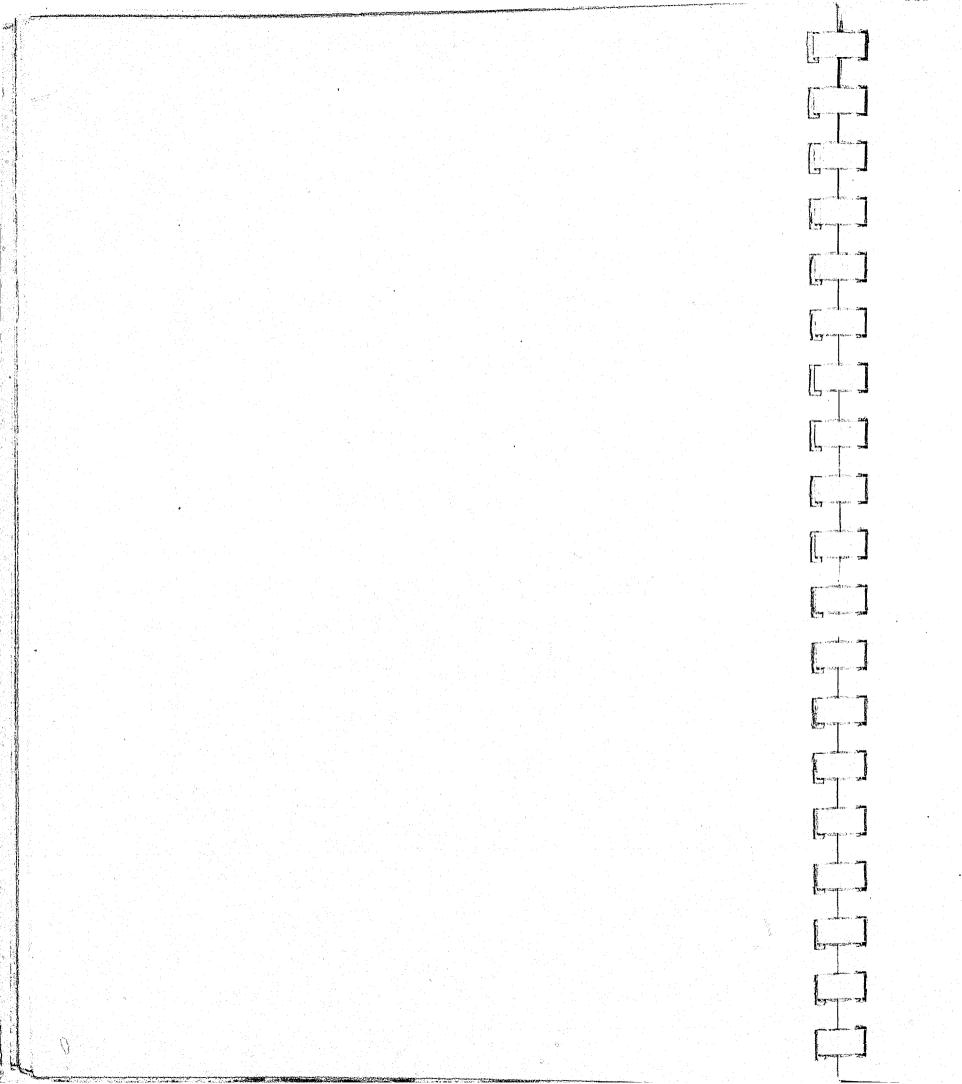
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CONTENTS
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C. m.
SUMMARY
BUILDING, ENVIRONME
Photograph
Photograph Architecture .
COMMUNITY Serv
Transporta Courthouse Fun
Structure
Operating and
FLOOR LAYOUTS
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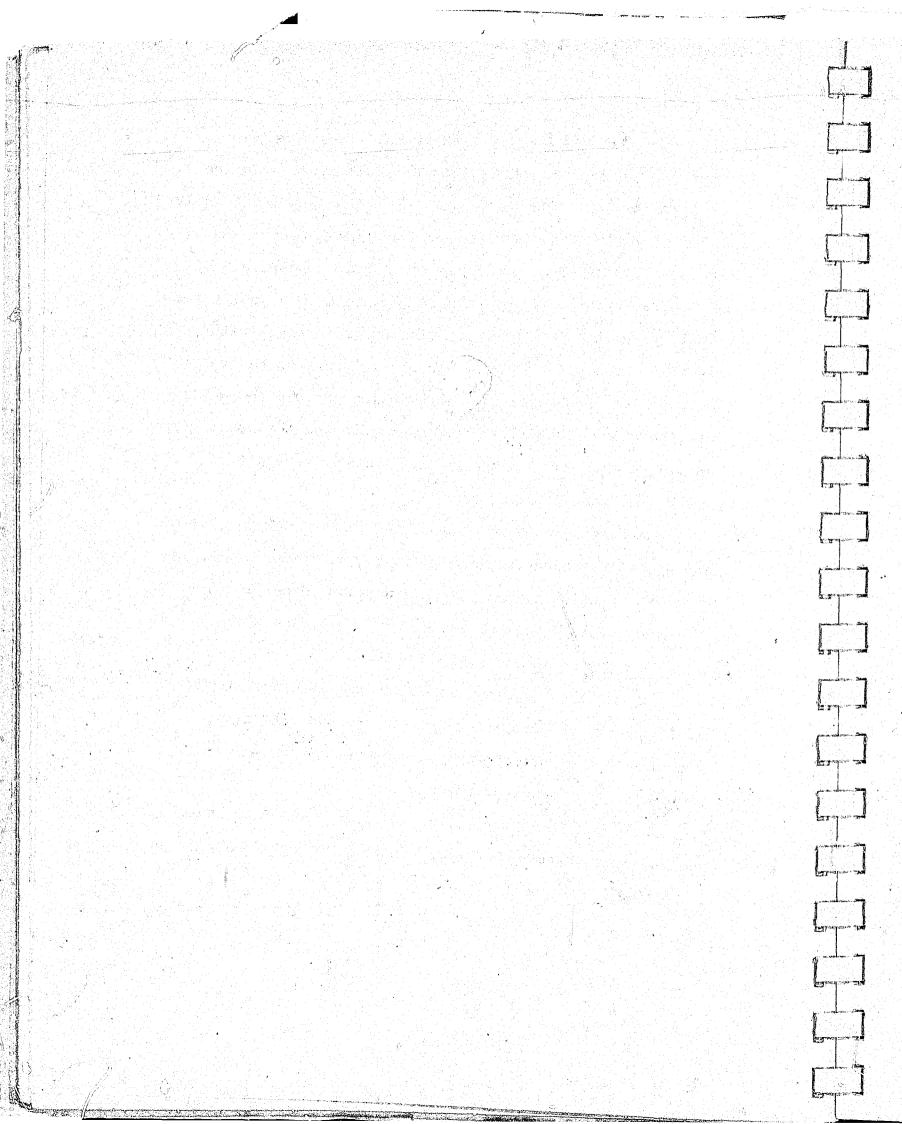




The Superior Court currently holds sessions in three facilities in Bristol County: Fall River, Taunton and New Bedford. The Fall River Courthouse was built in 1889 and currently houses sessions of both the Superior and Probate Courts. The courthouse is in poor condition. The structure is quite sound 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.

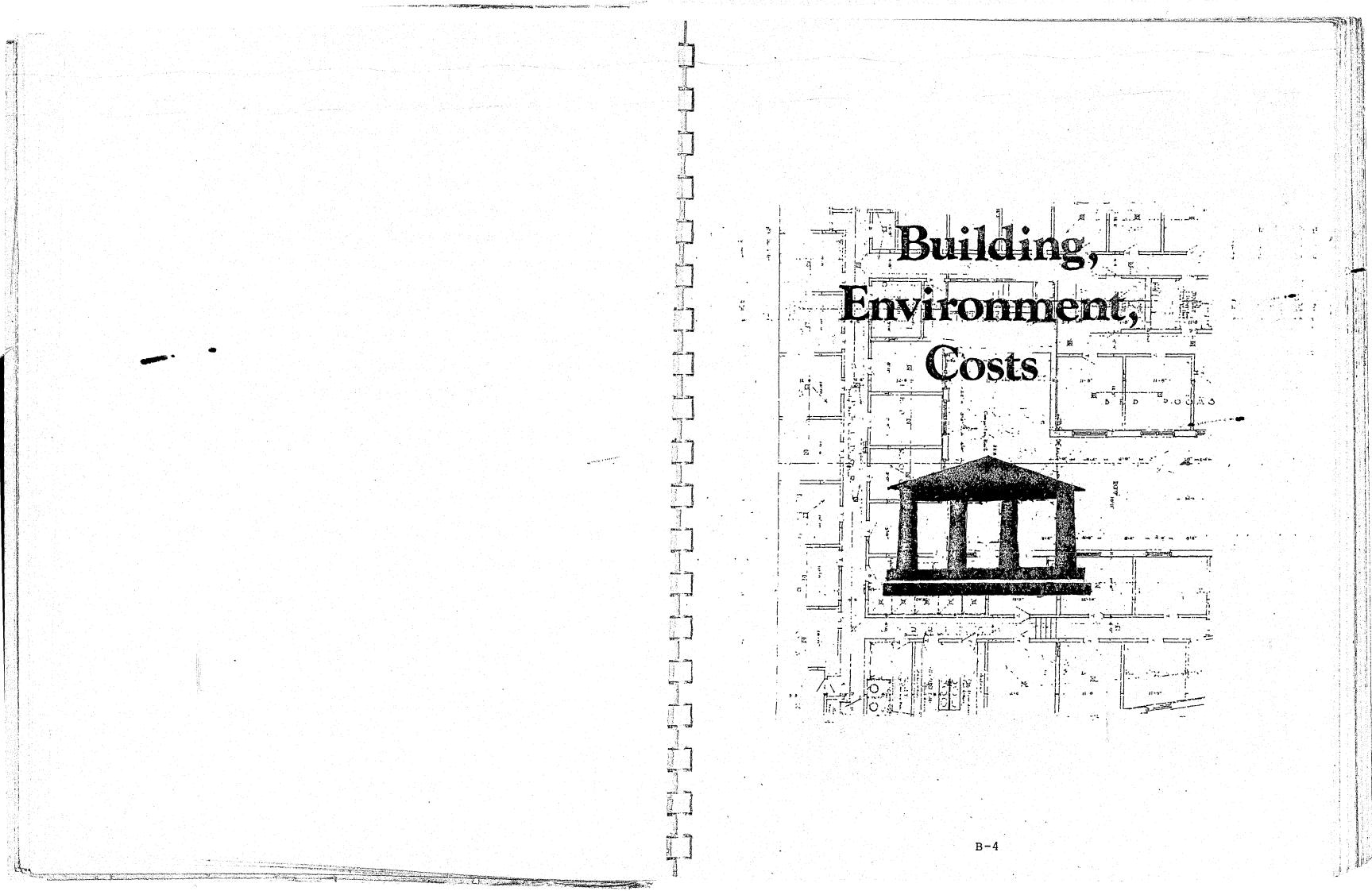
B-2

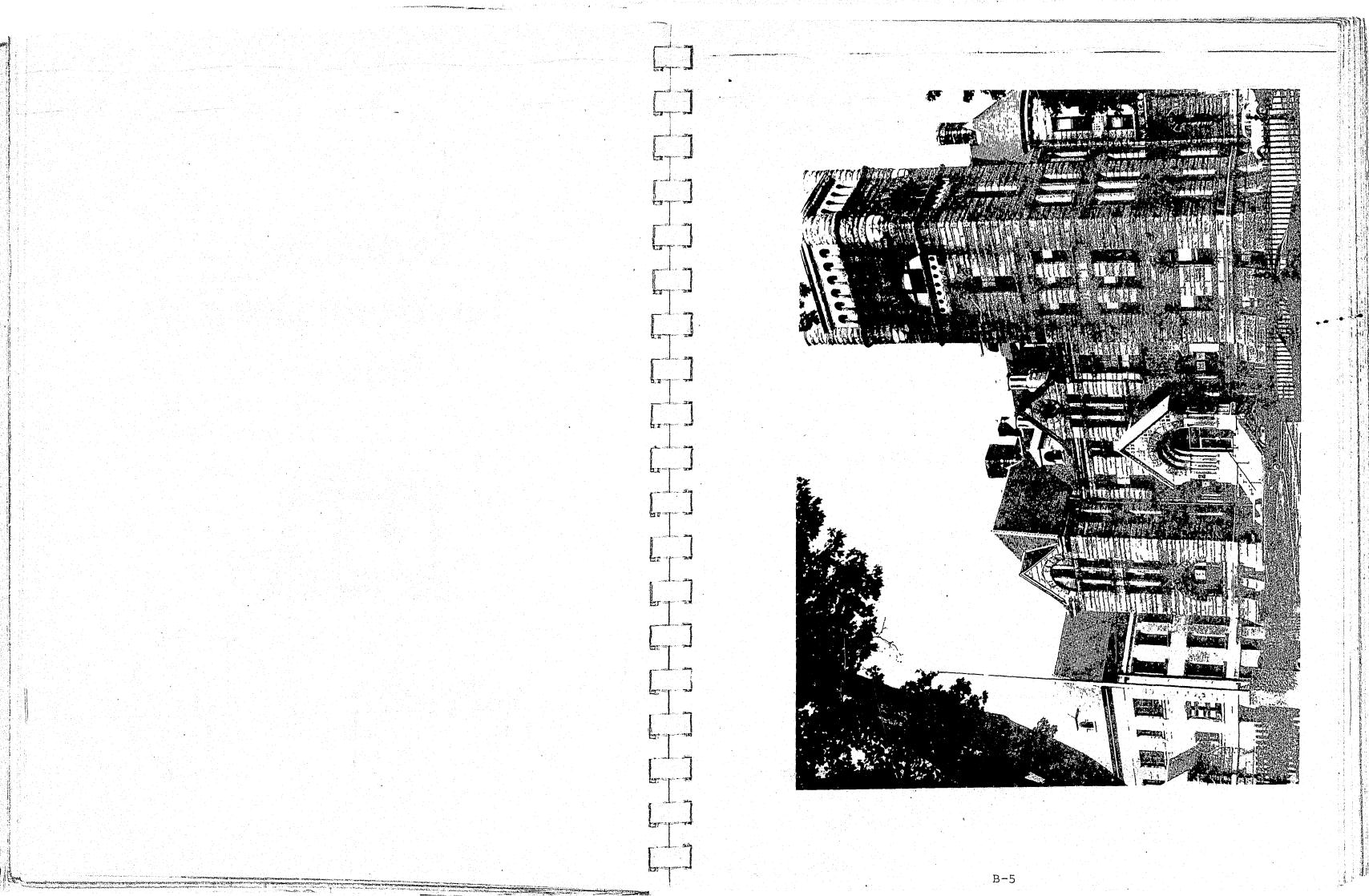


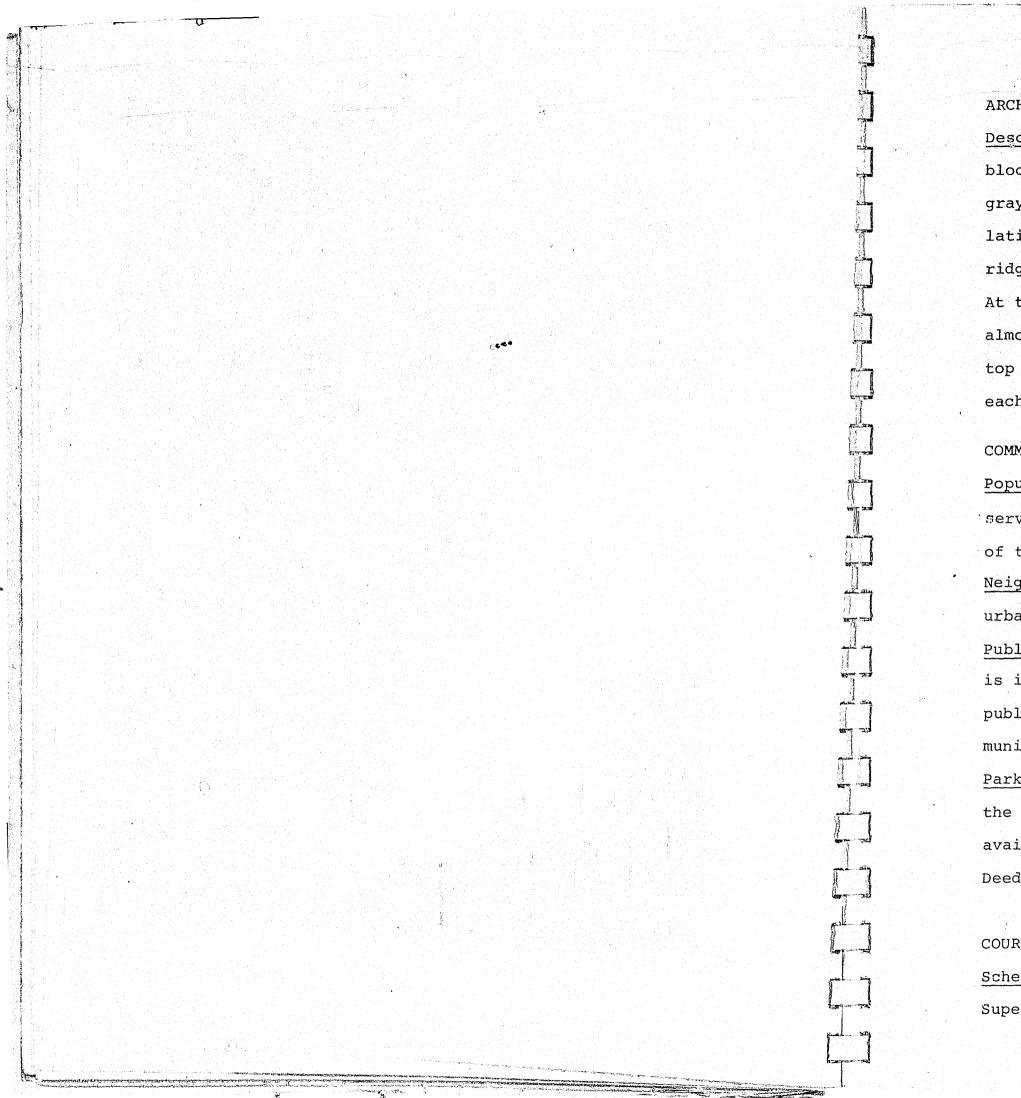
in the rooms.

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

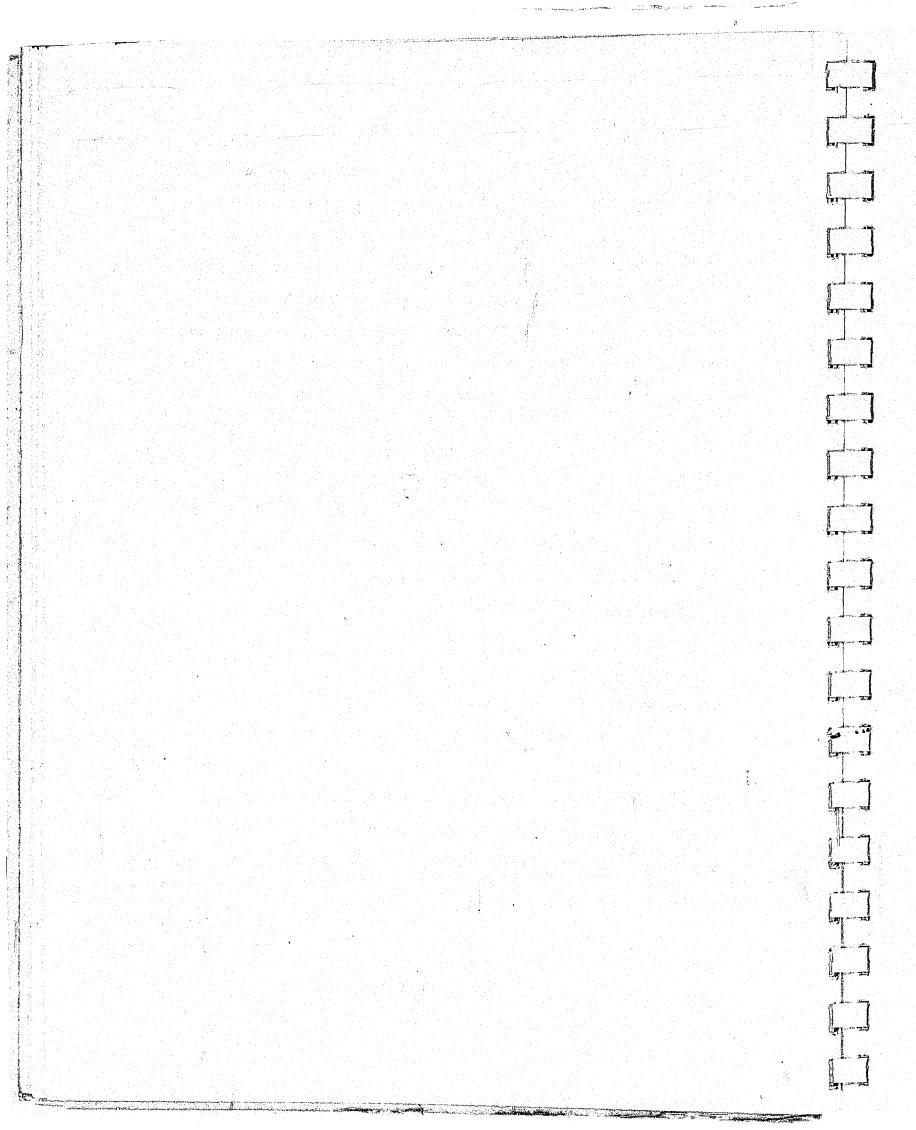
Description The courthouse is a three-story graniteblock Romanesque building. The predominant color is gray, while arches, columns, lintels, and other articulations are of pink granite. Dormers, cupolas, and roof ridges are all of copper, oxidized to a bright green. At the right corner of the front facade 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

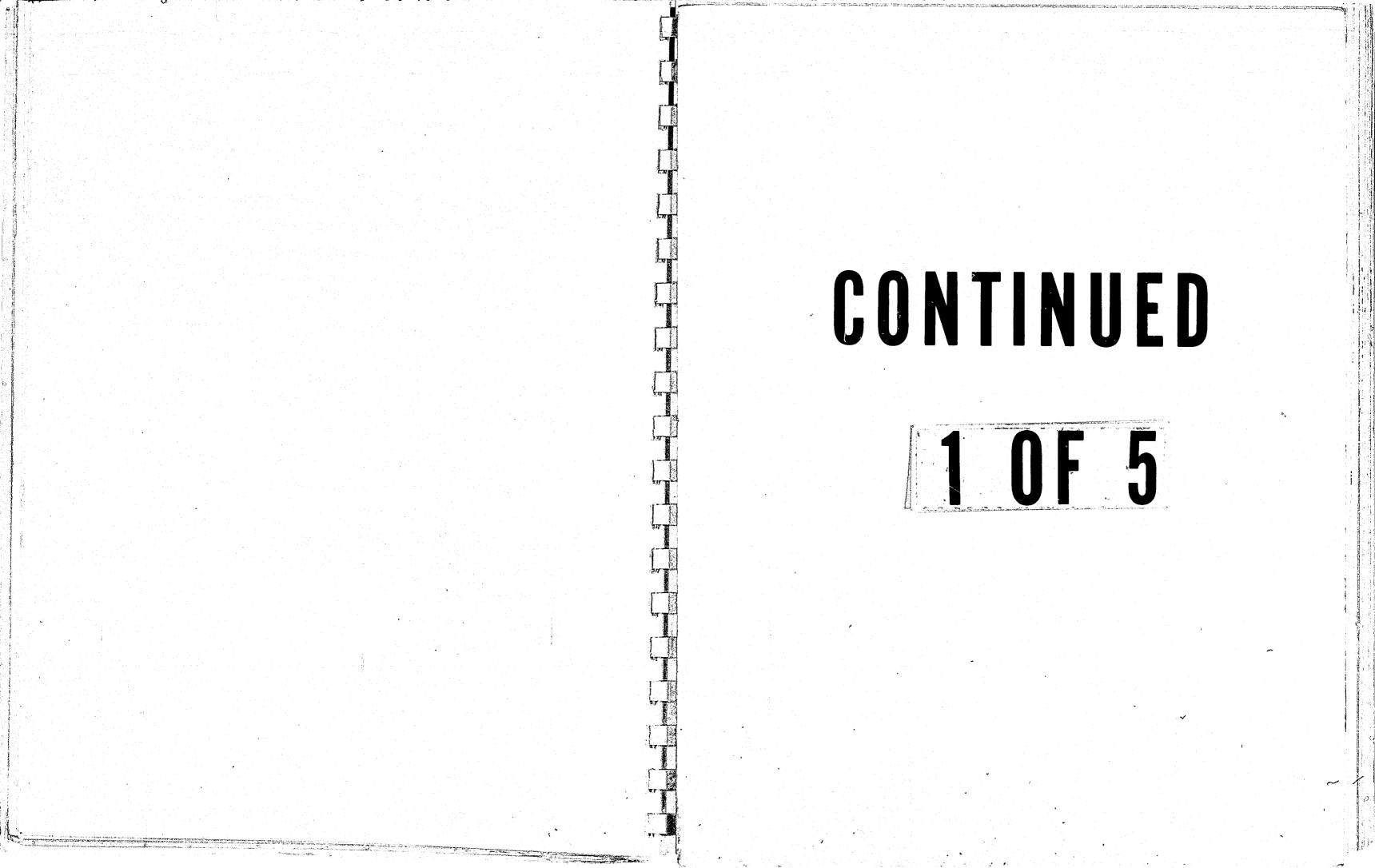
Security SUPERIOR COURT: Depending on need, deputy sheriffs serve in varying numbers. There are detention cells in the basement, but no criminal trials are currently held

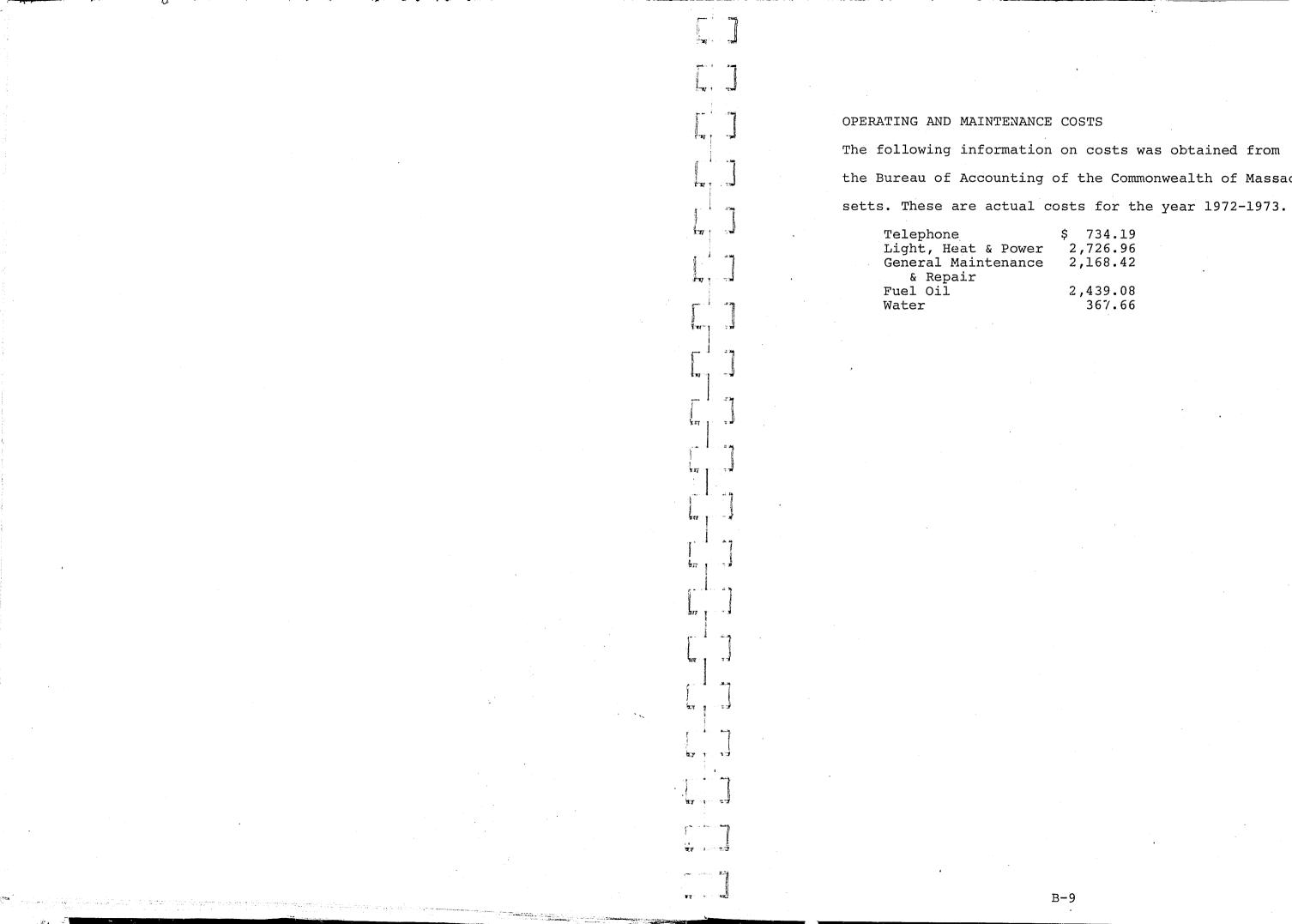
Public Address System There is no public address system

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.

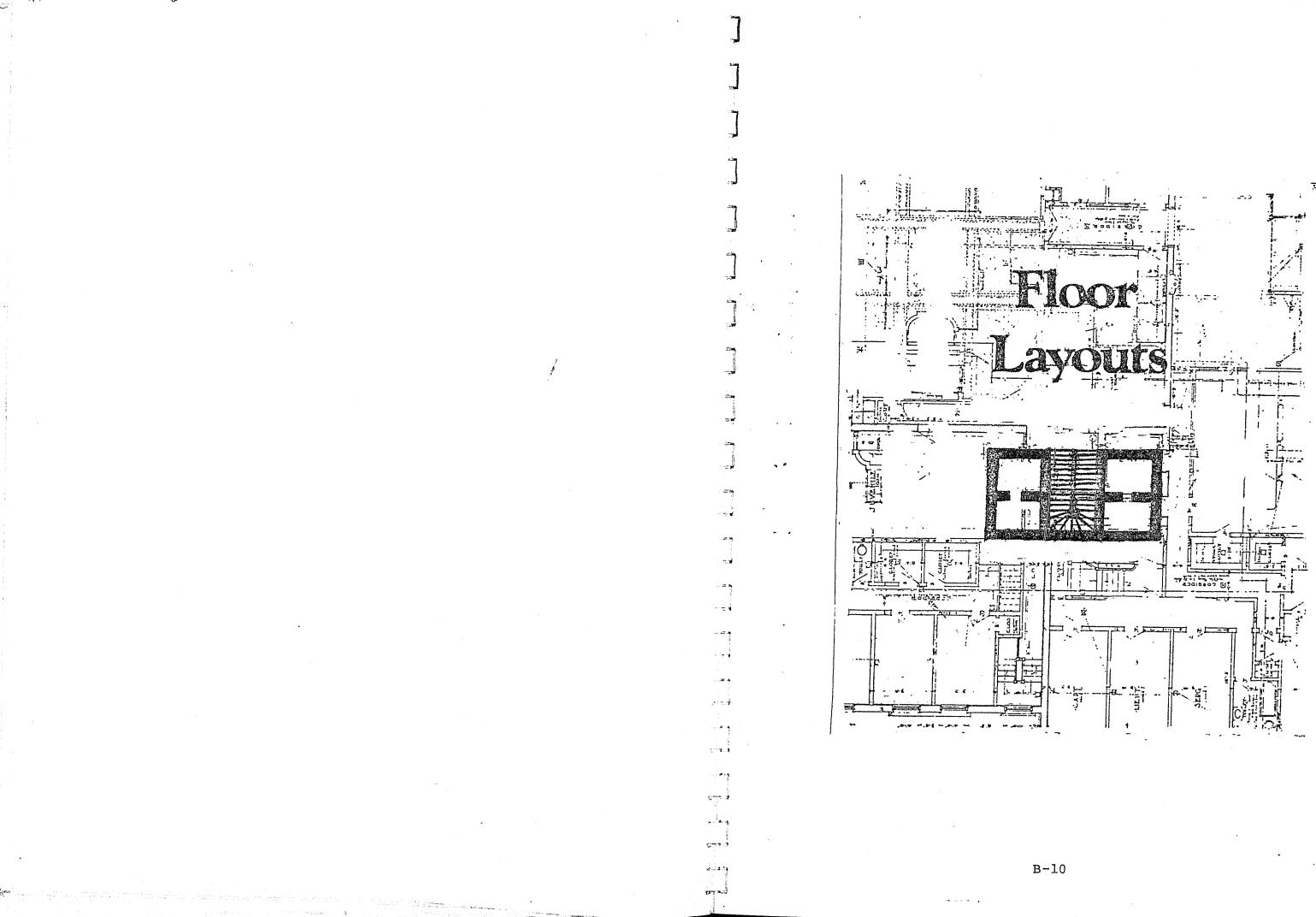


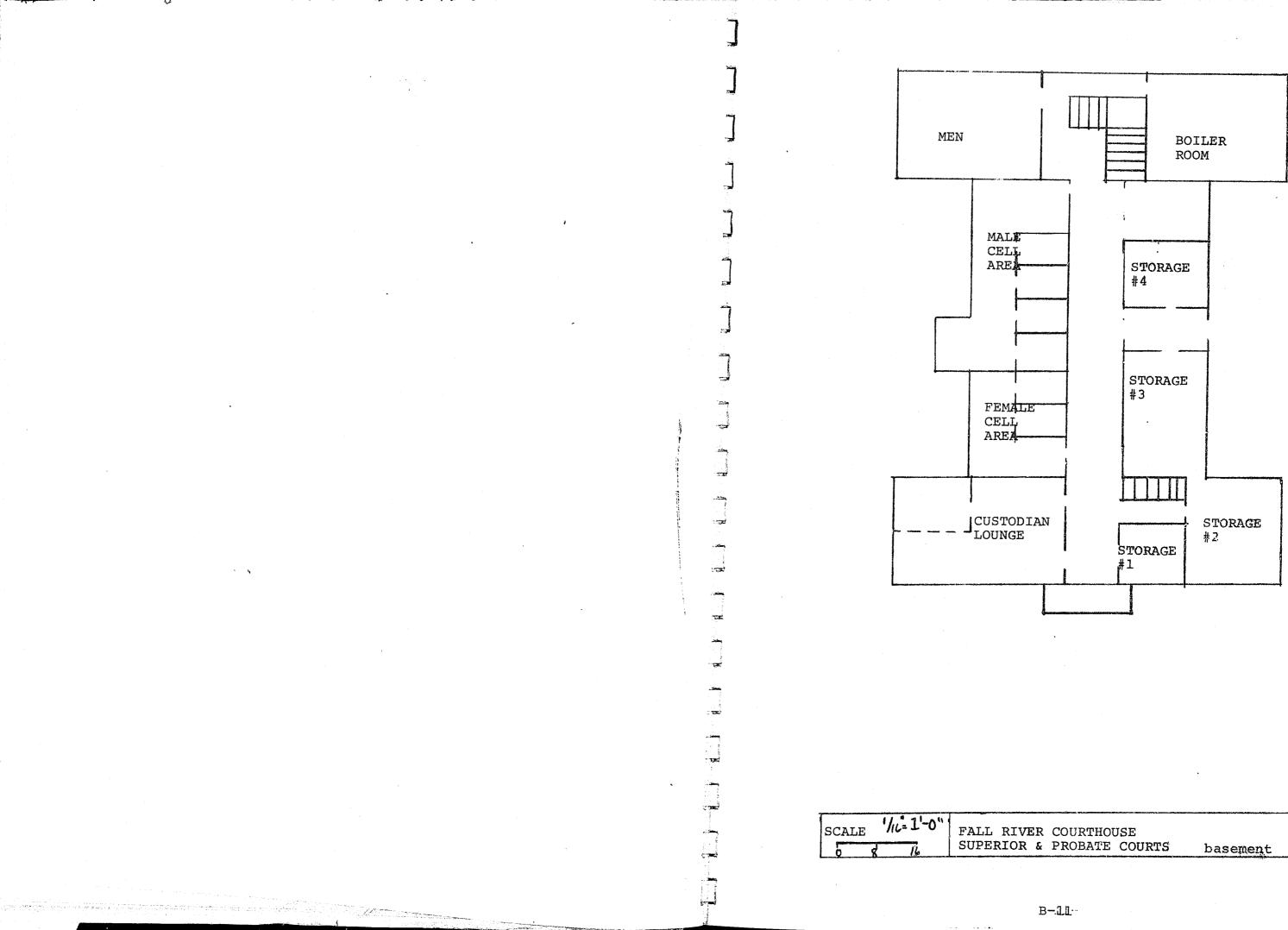


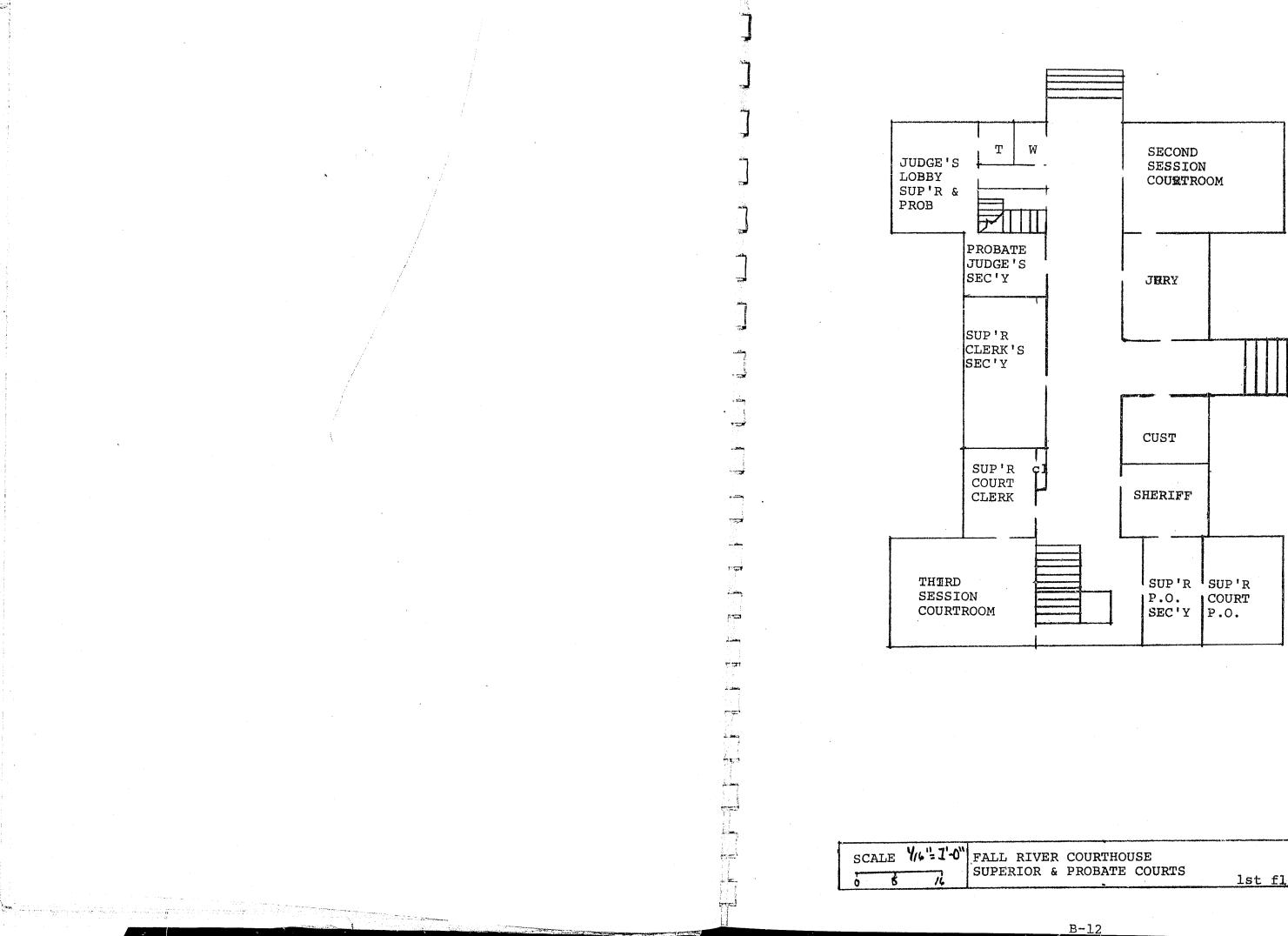
The following information on costs was obtained from

the Bureau of Accounting of the Commonwealth of Massachu-

	\$ 734.19
wer	2,726.96
nce	2,168.42
	2,439.08

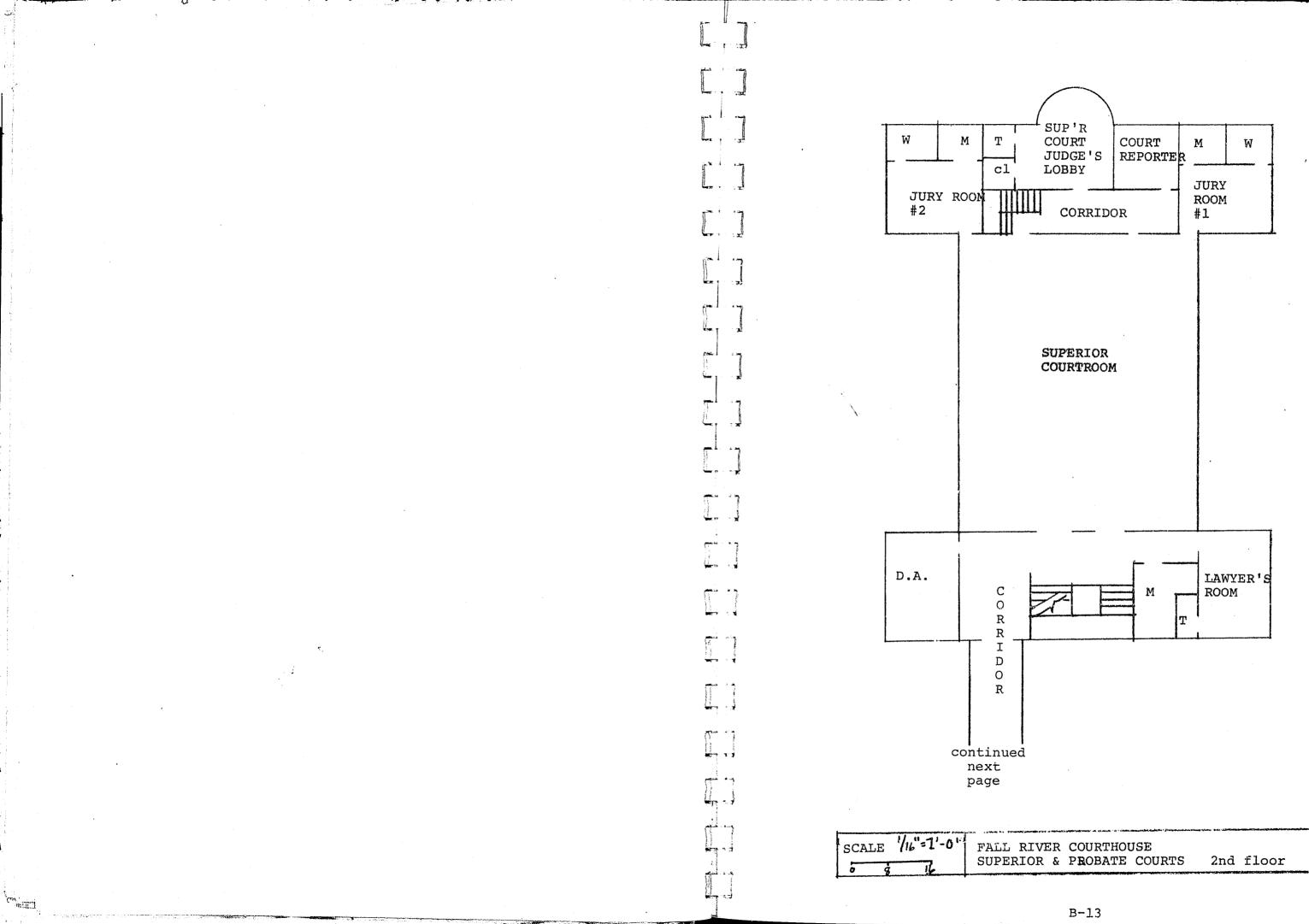


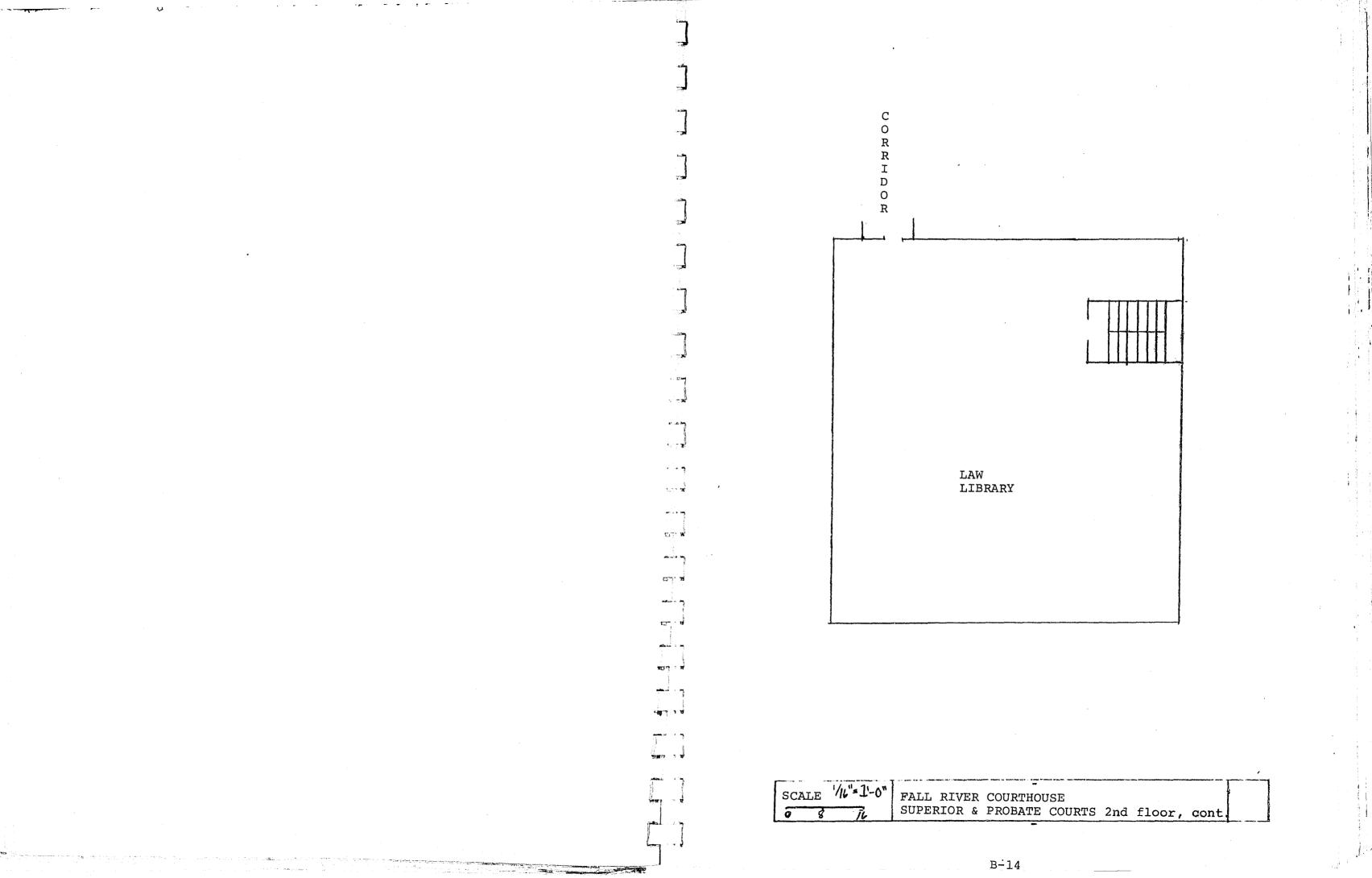


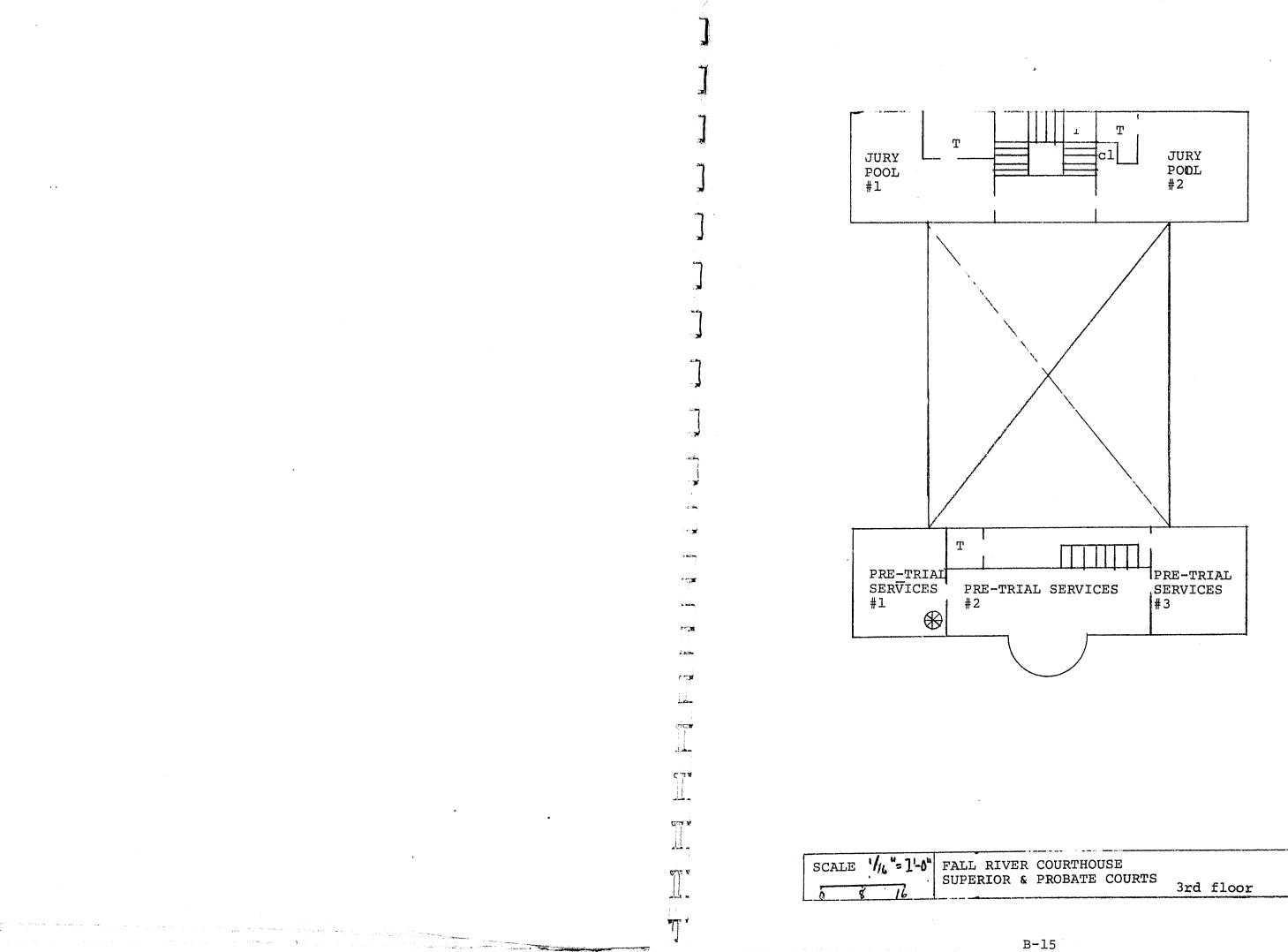


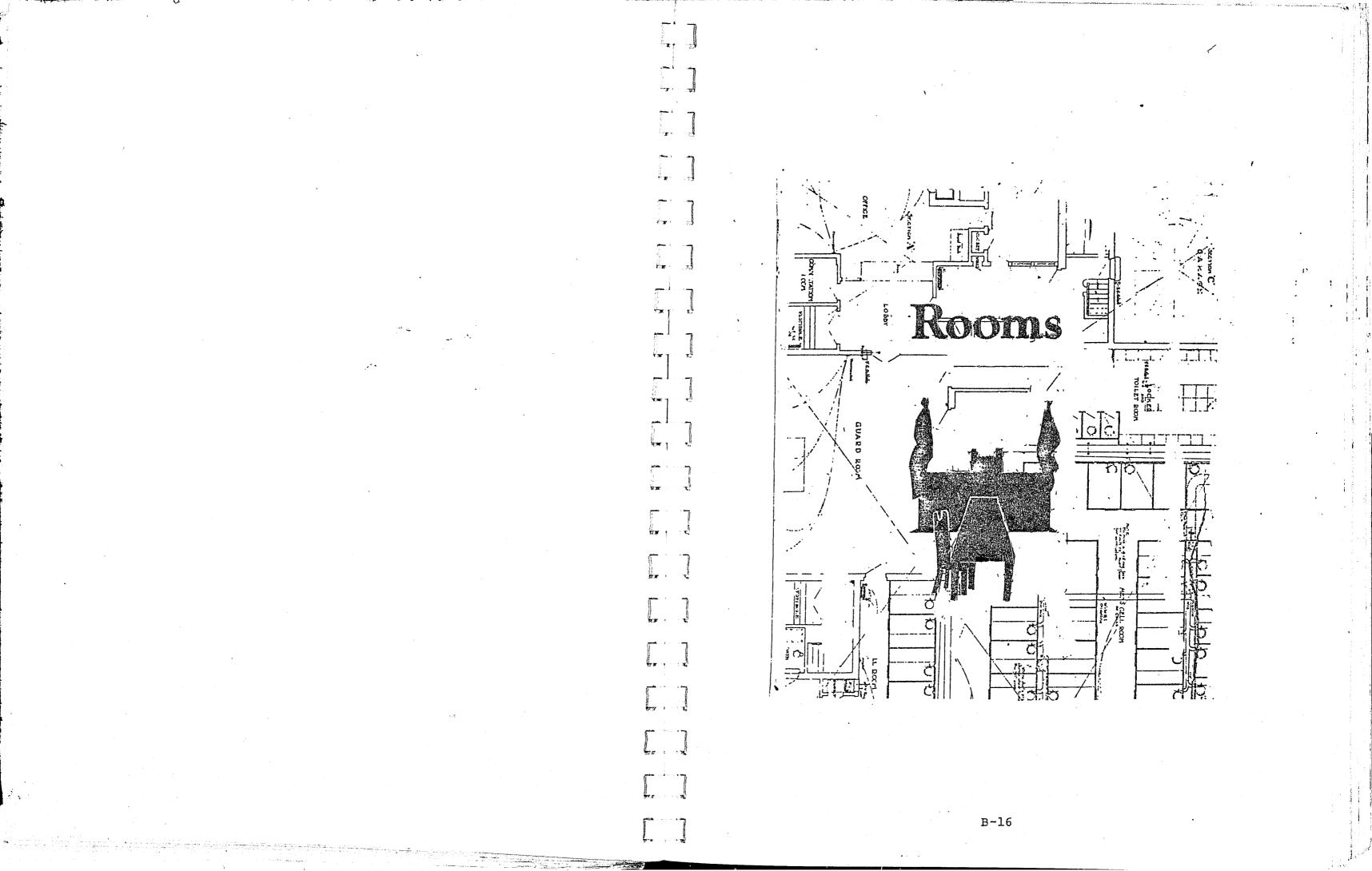
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•	Courtrooms, offices, hearing rooms, sucretarial areas, conference rooms, libraries, lounges and detention facilities are superence	Tons: A subjective evaluation of the color tone of the room based on the following rating scale:
	rooms, bilitaces, 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	
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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
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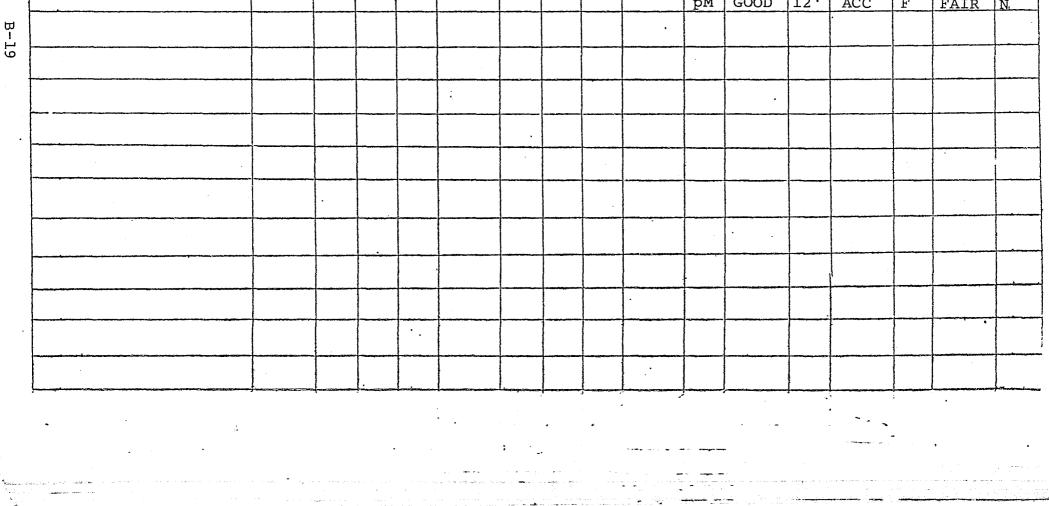
SECOND FLOOR									•							<u> </u>
Court Reporter (S)	145	PRV	2	pР	GOOD	3	5	С	FAIR	рР	GOOD	11'	ACC	F	FAIR	N
Judge's Lobby (S)	230	PRV	6	p₽∕ WP	: GOOD	3	10	C	GOOD	٩q	GOOD	11'	ACC	F	GOOD	N
Main Courtroom (S)	2575	PUB	200	pP/ WP	POOR	3 ·	20	С	FAIR	pP/ Ma	GOOD	22'	UnR	I	POOR	N
Jury Deliberating Rm. West (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
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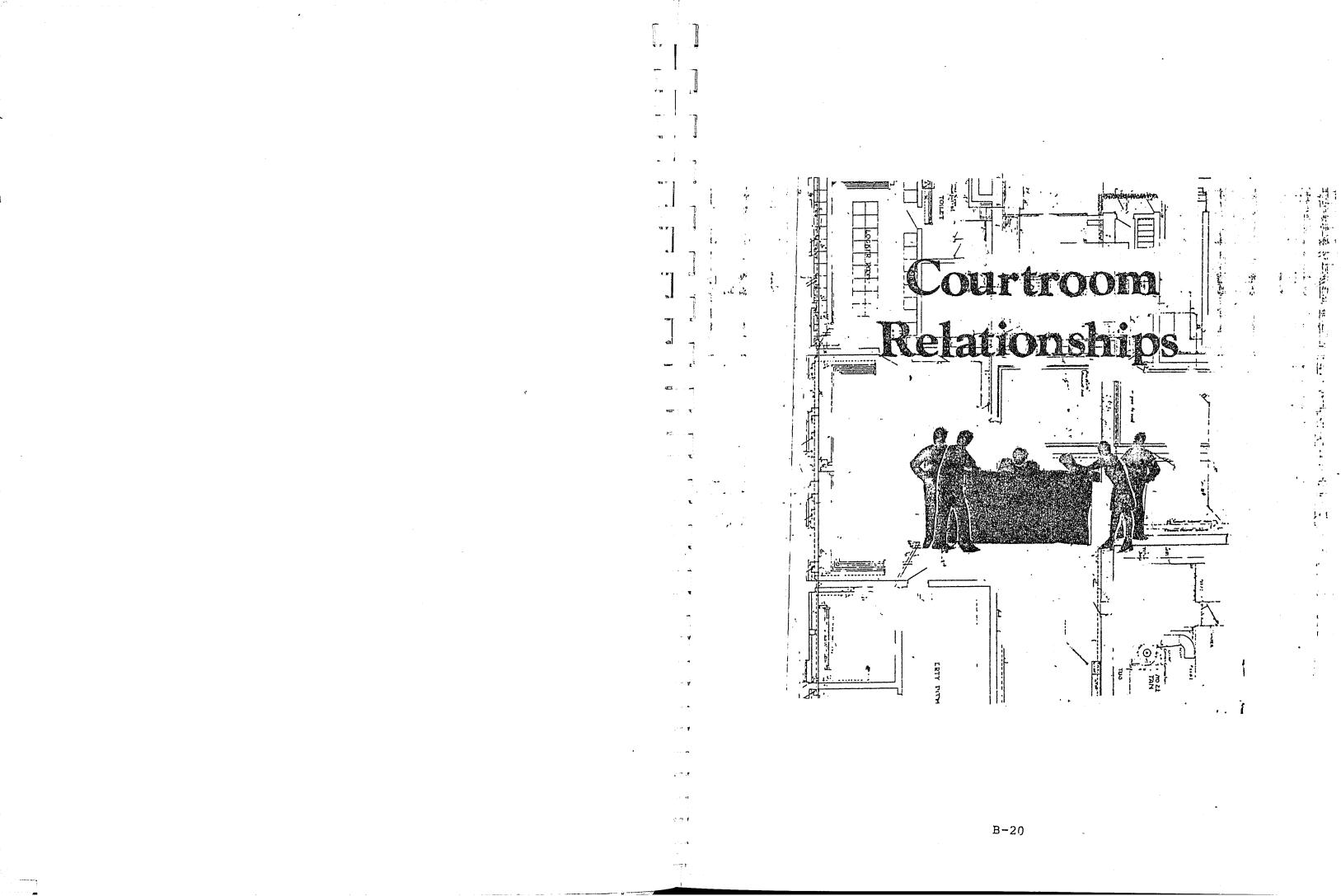
Tone: A subjective evaluation of the color tone of the room based on the following rating scale: Criteria Bright and Cheerful Drab and Austere Courtrooms, offices, hearing rooms, secretarial areas, conference rooms, libraries, lounges and detention facilities are surveyed for 3 all of the information 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

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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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						(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			
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			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
	, <b>1997</b>	PROBATION OFFICERS			
		Is there a space for the Probation Officer and his records?	Yes	. Yes	Yes
	and the second	DEFENDANT			
	<b>₩</b> • • • • • • •	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 <b>क्ट्रा</b> 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	······		
	<b>•</b>	Is the Public seating comfortable?	No	Yes	Yes
		Does the press sit in the public area?	No	Yes	Yes
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$\mathbf{h}$					1
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## ADDITIONAL COMMENTS

#### MAIN COURTROOM

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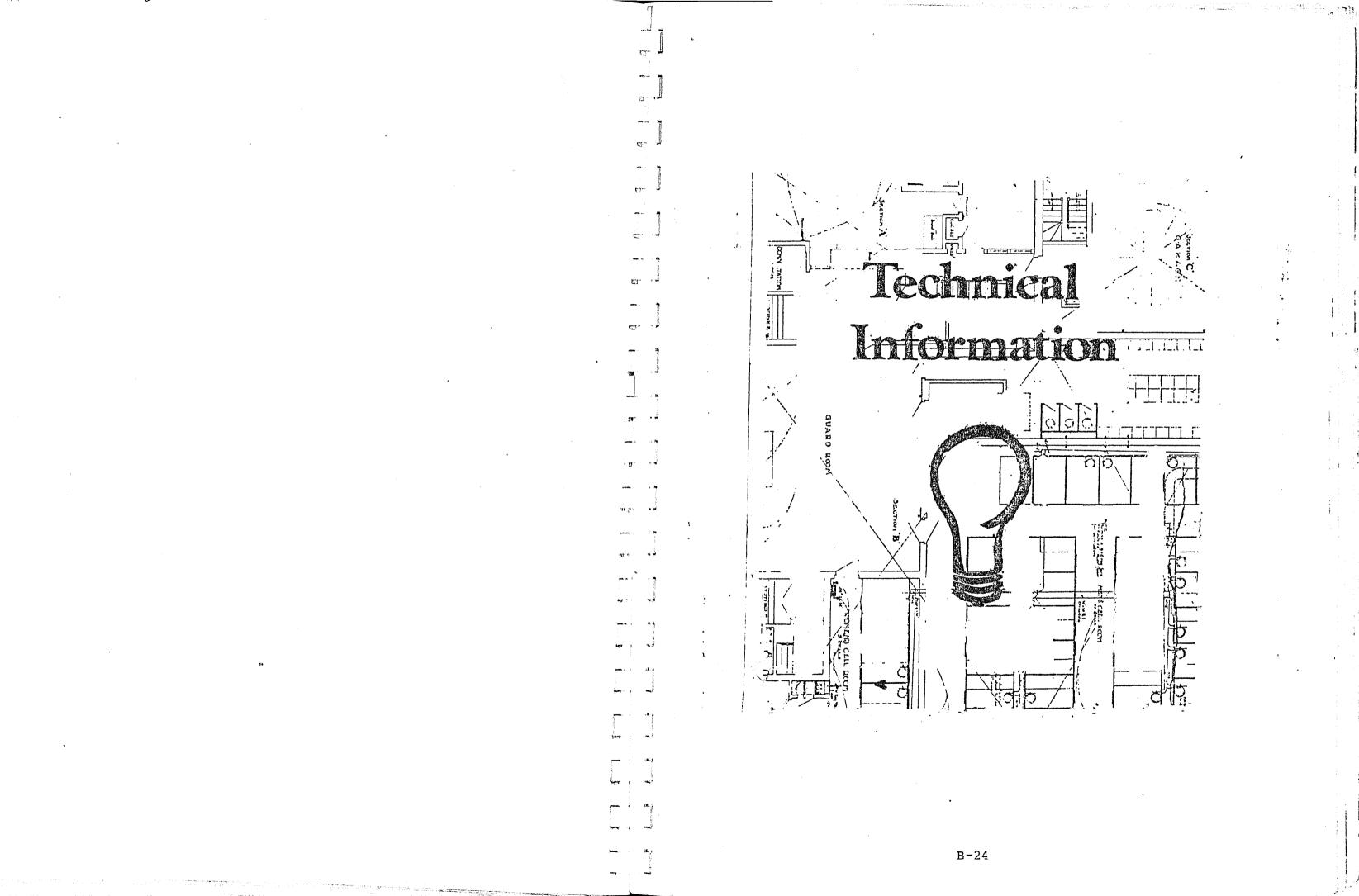
This is a very large courtroom. There are fireplaces on either side and a small dome in the ceiling. The public seating is very uncomfortable.

#### 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

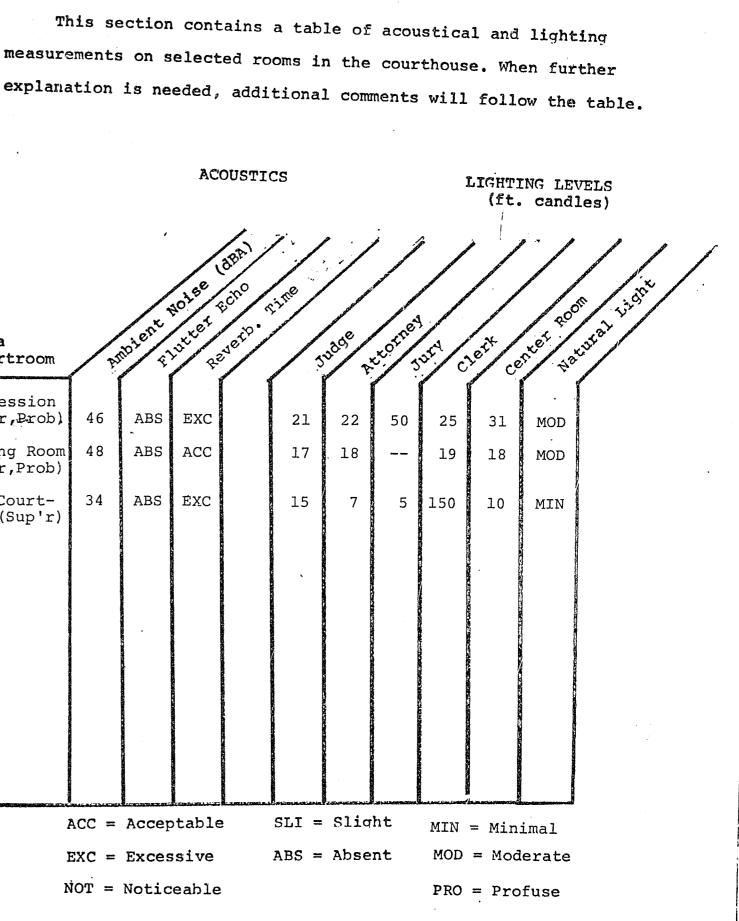
Field measurements are made with GE 213 light meter. This meter is color and cosine corrected to give a linear response (accuracy ±15).

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.

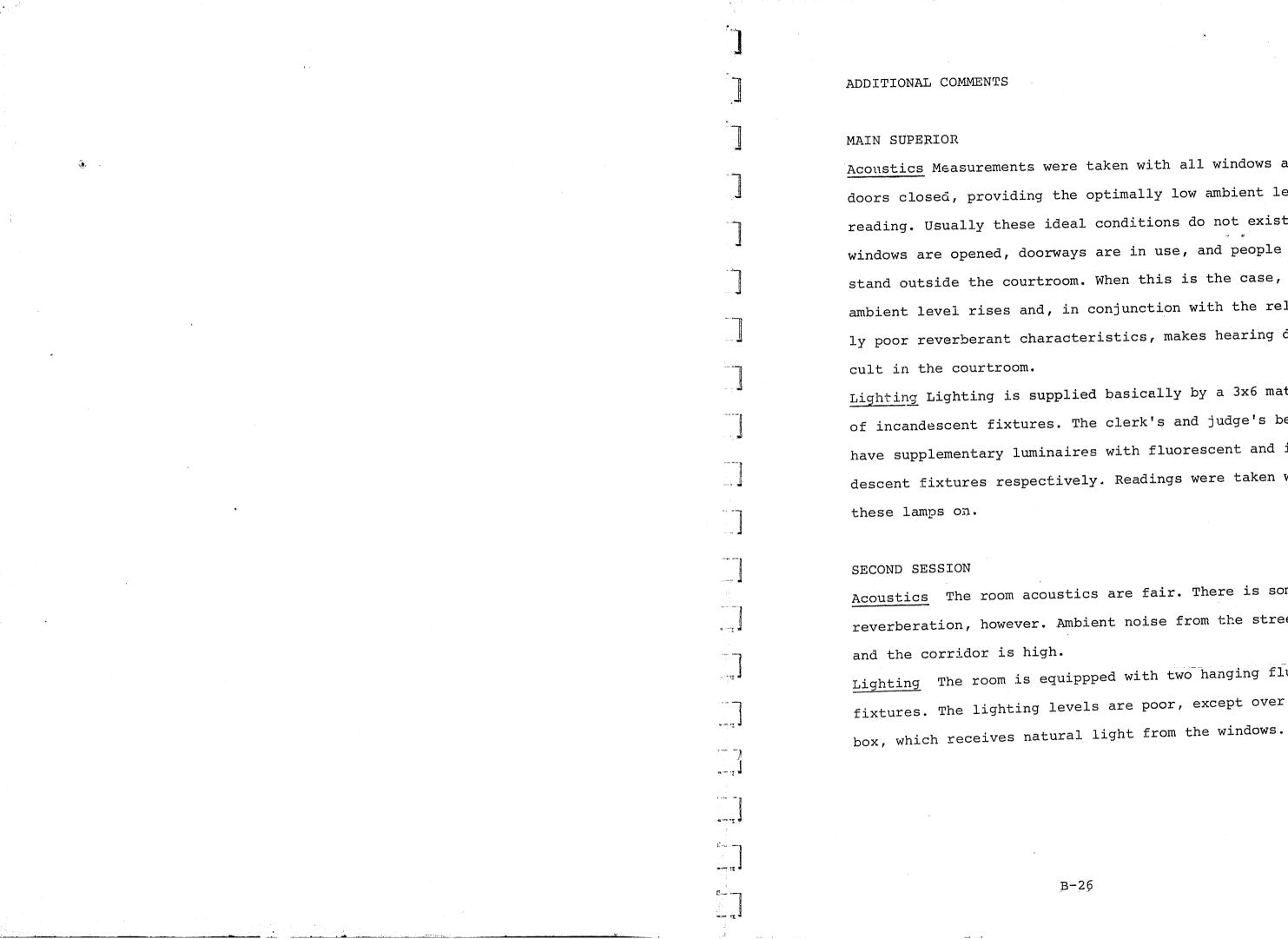
measurements on selected rooms in the courthouse. When further

#### ACOUSTICS

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n. 1 34 n 1 <b>7</b> 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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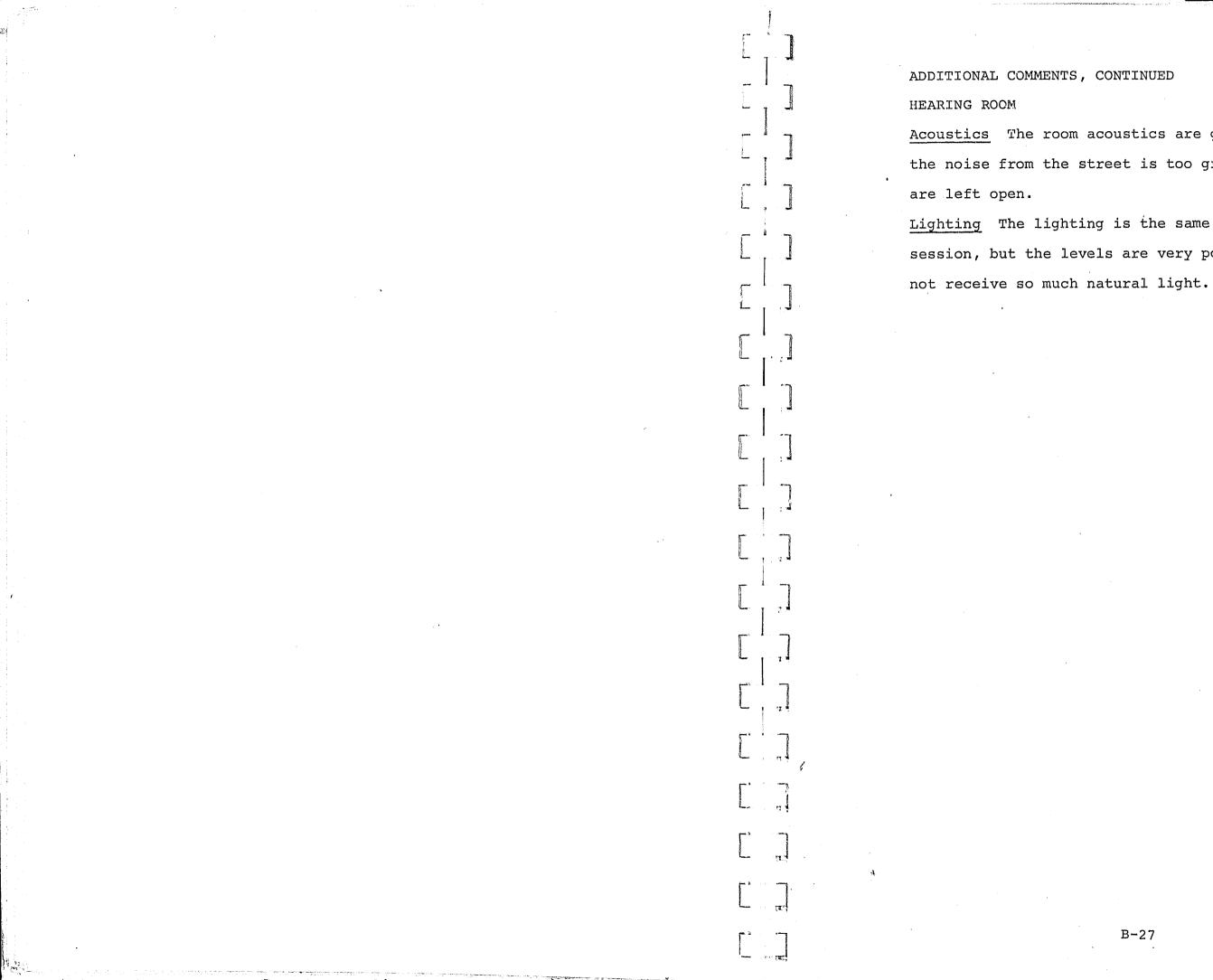


Acoustics Measurements were taken with all windows and doors closed, providing the optimally low ambient level reading. Usually these ideal conditions do not exist: windows are opened, doorways are in use, and people stand outside the courtroom. When this is the case, the ambient level rises and, in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



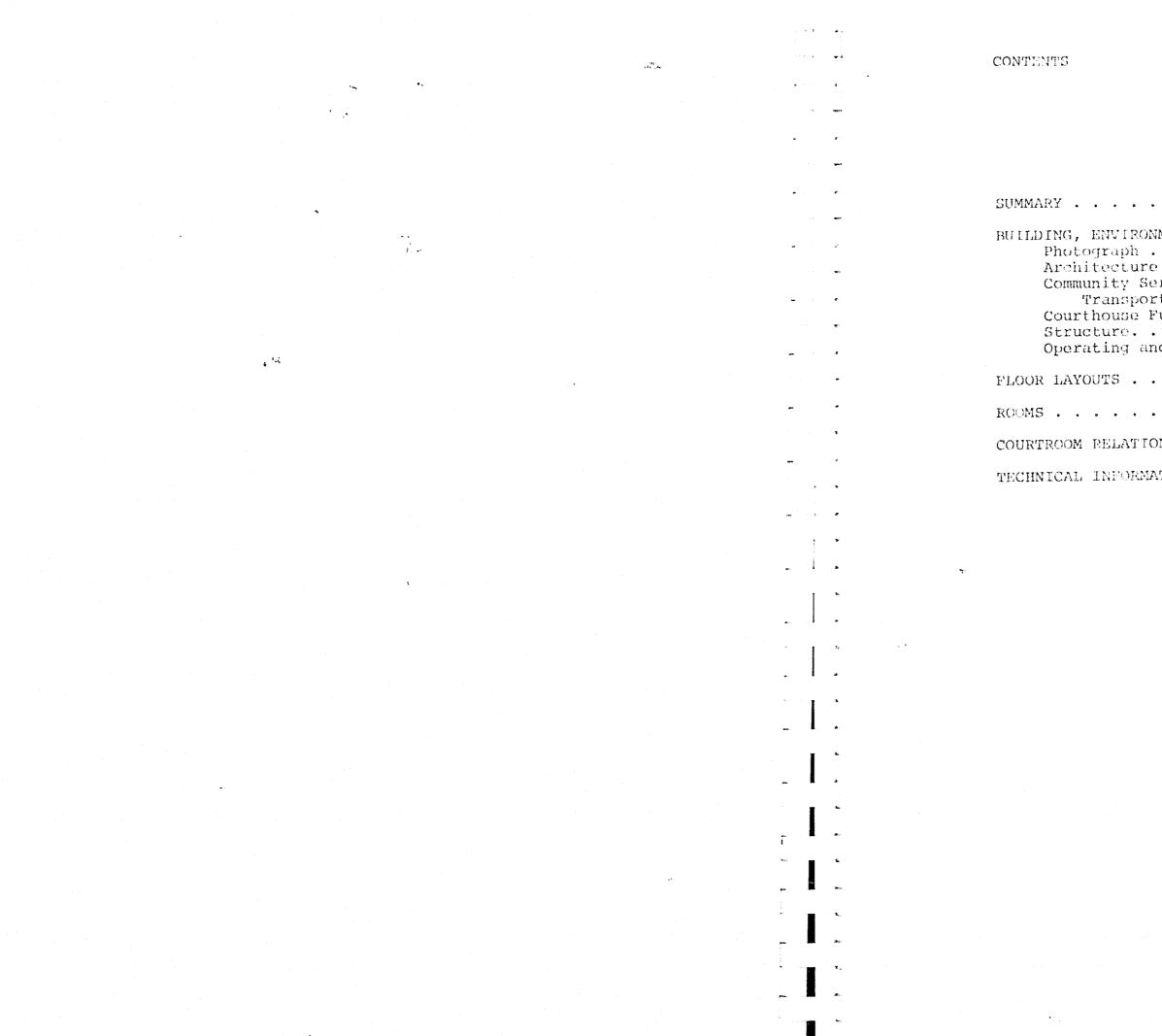
Acoustics The room acoustics are good, but once again the noise from the street is too great when the windows

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

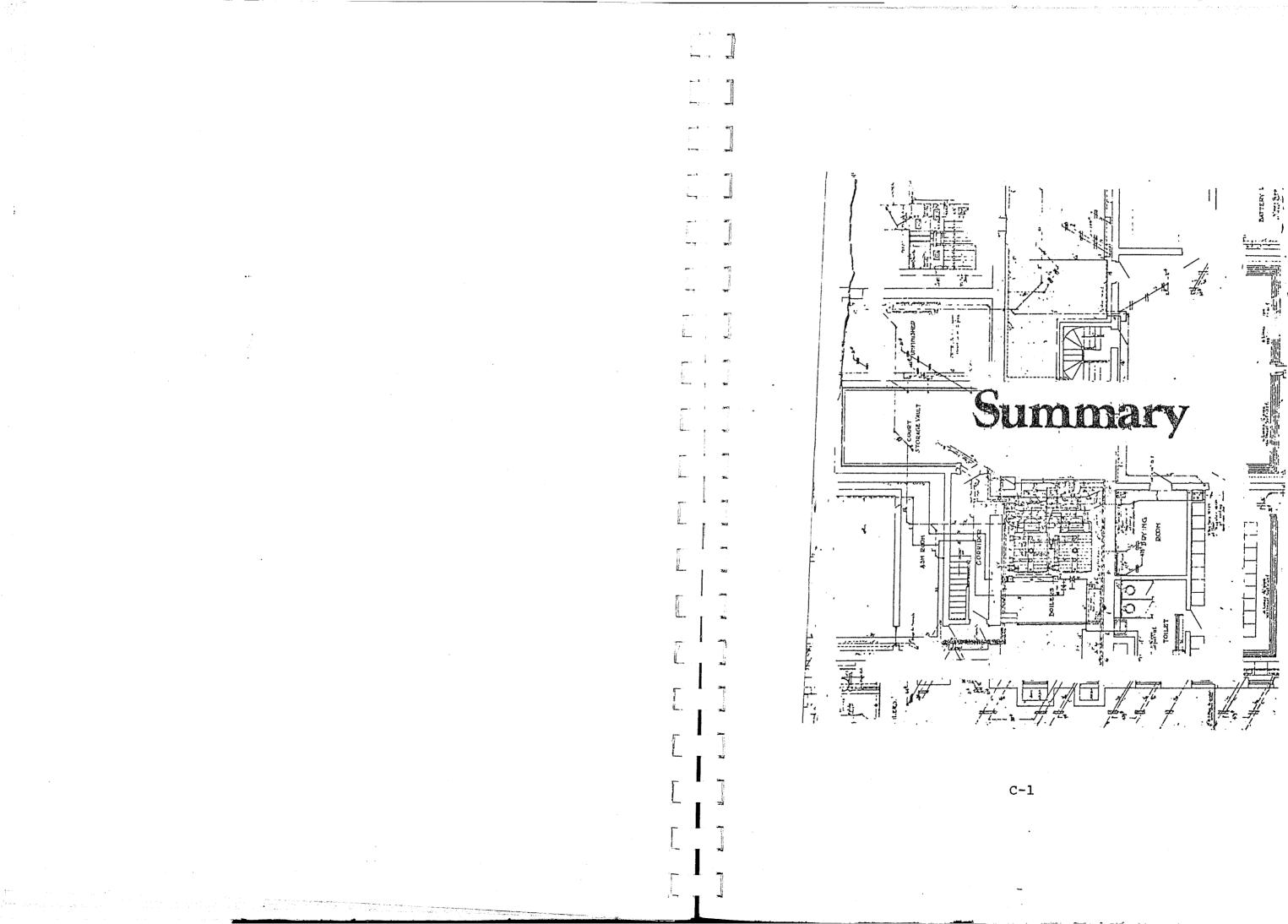
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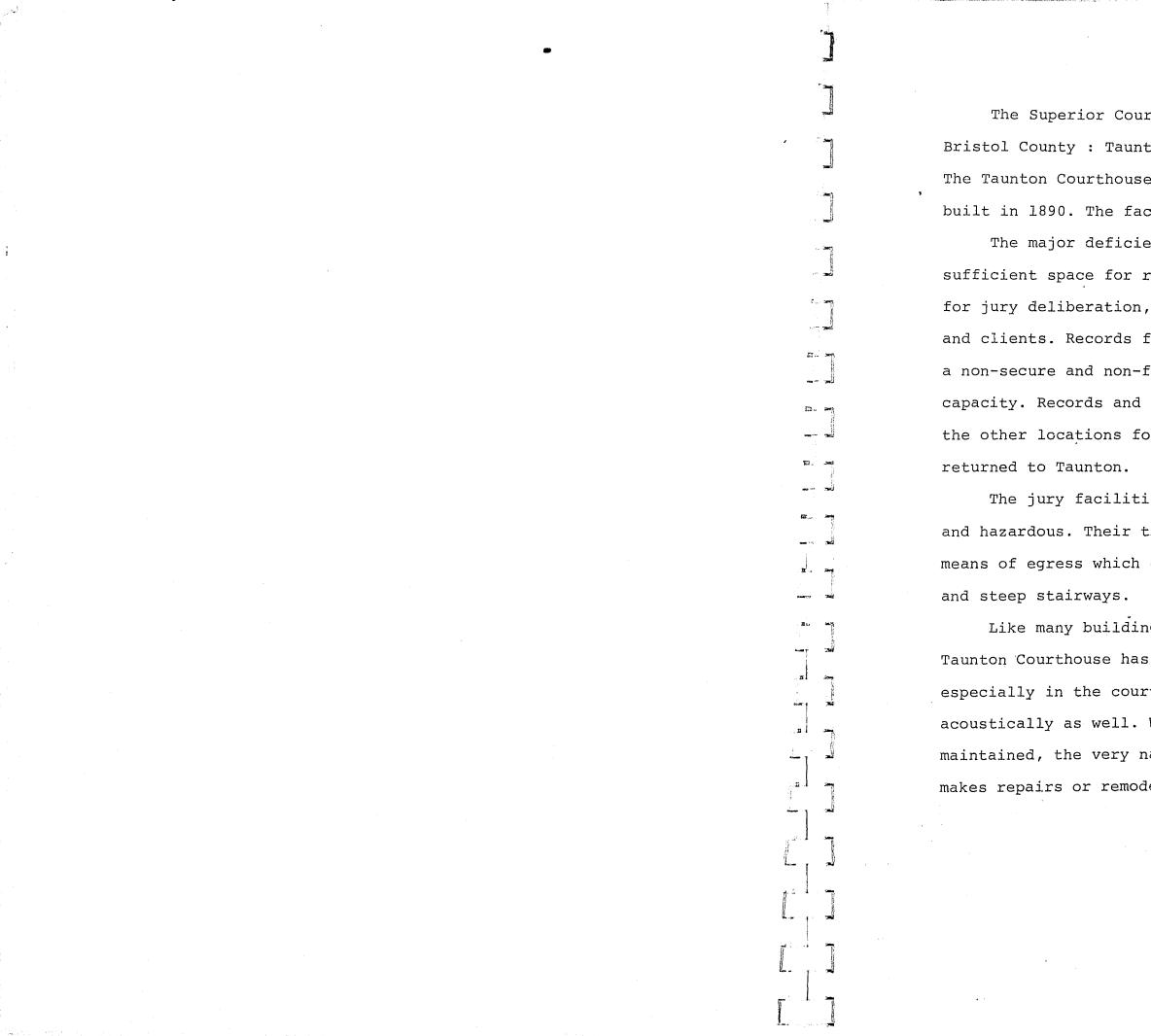
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THE SUPERIOR COURT IN BRISTOL COUNTY (TRUNTON)



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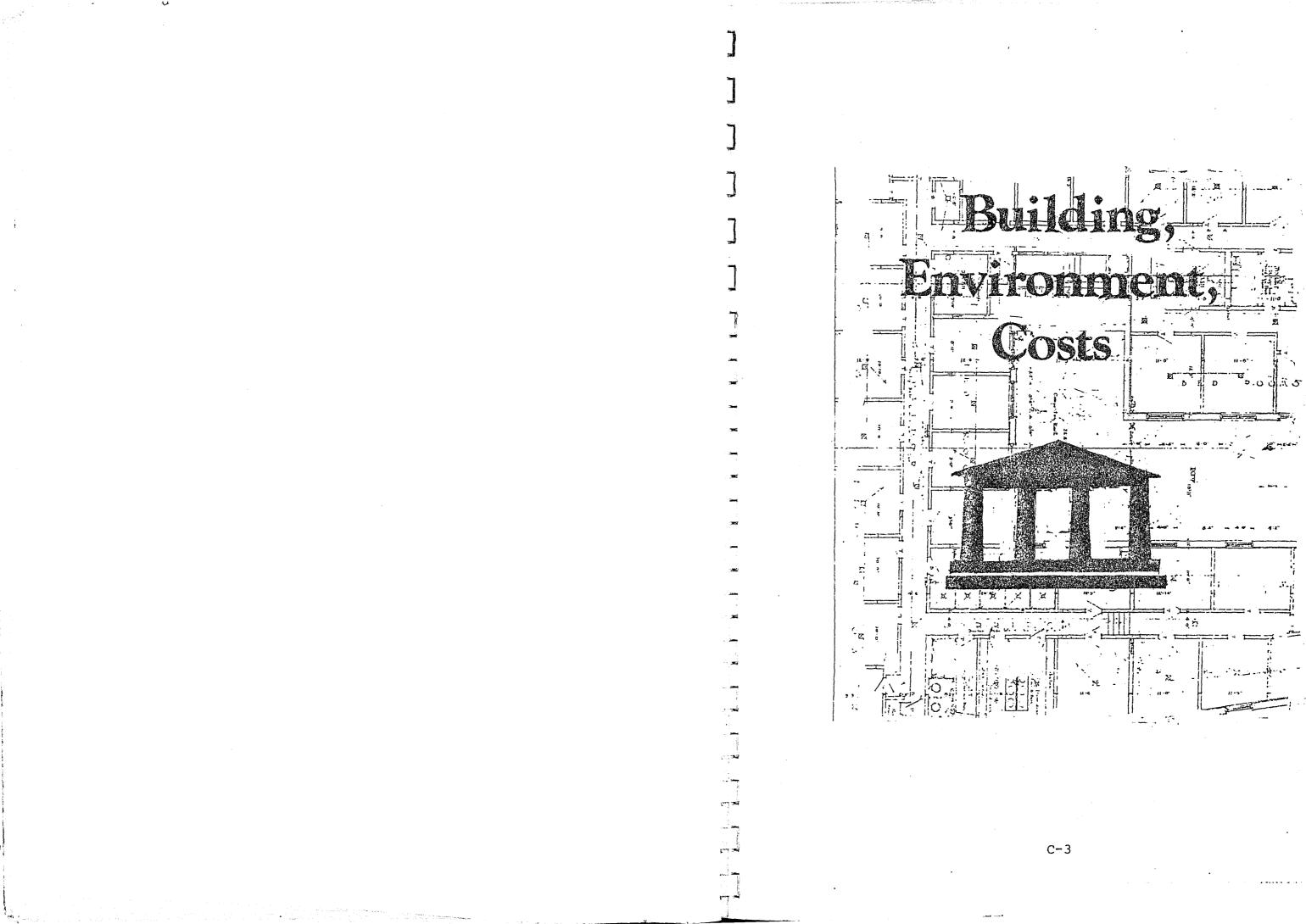


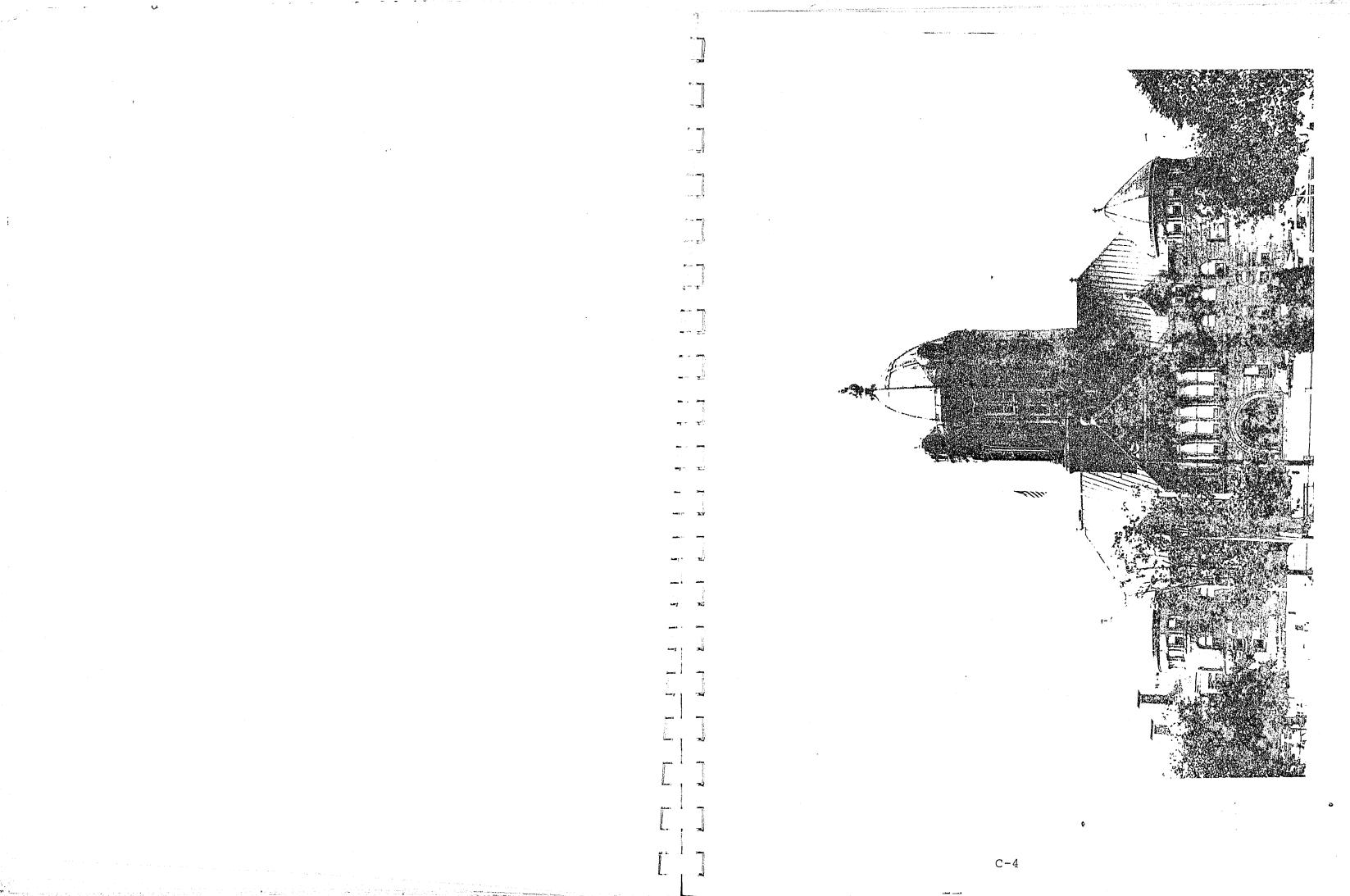
The Superior Court sits in three locations in Bristol County : Taunton, New Bedford and Fall River. The Taunton Courthouse is a massive granite structure built in 1890. The facility is in poor condition. The major deficiency in the building is the lack of sufficient space for record storage, for court 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

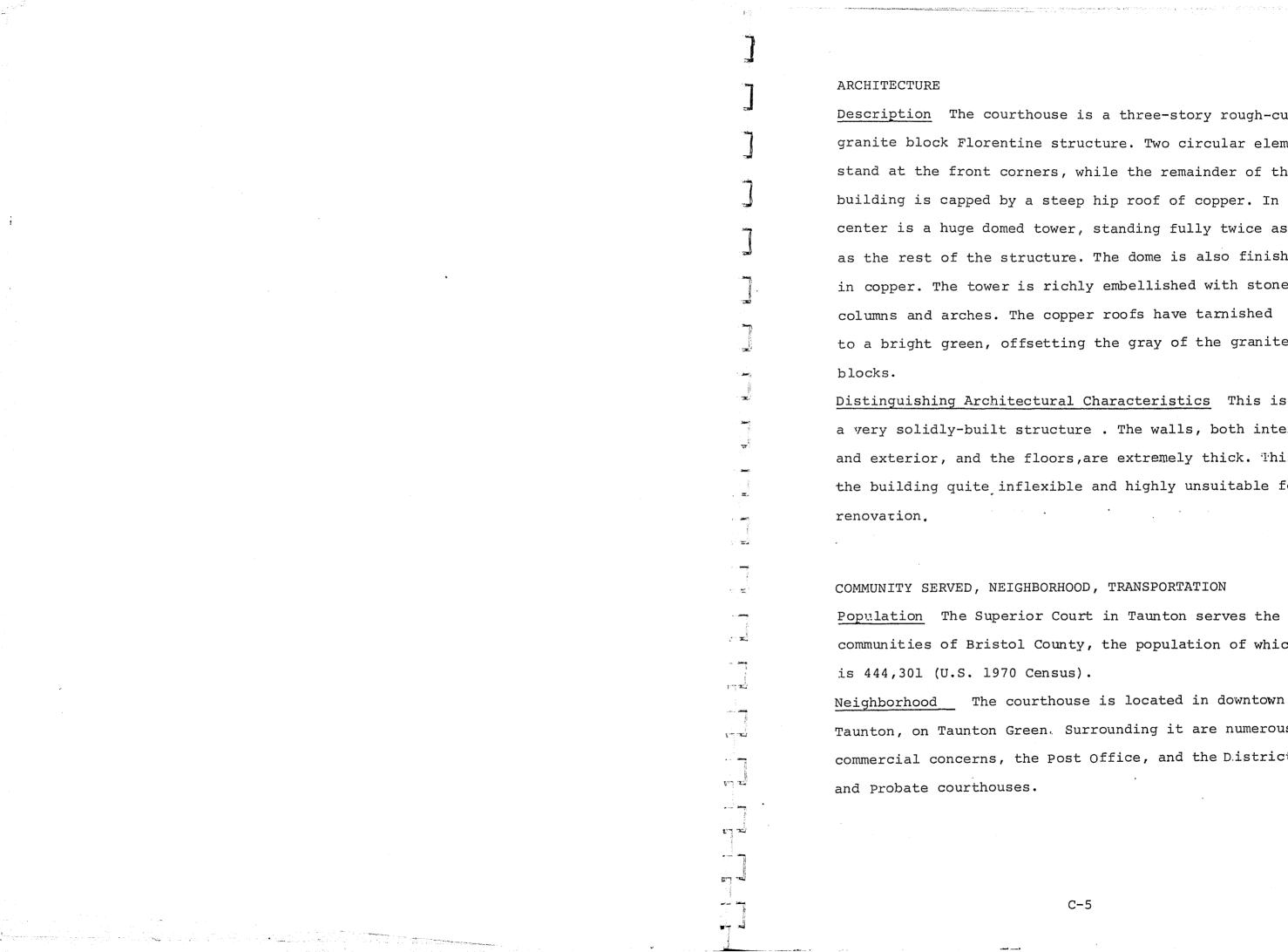
The jury facilities are limited in size, inconvenient and hazardous. Their third floor location has only one means of egress which consists of a set of very narrow

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







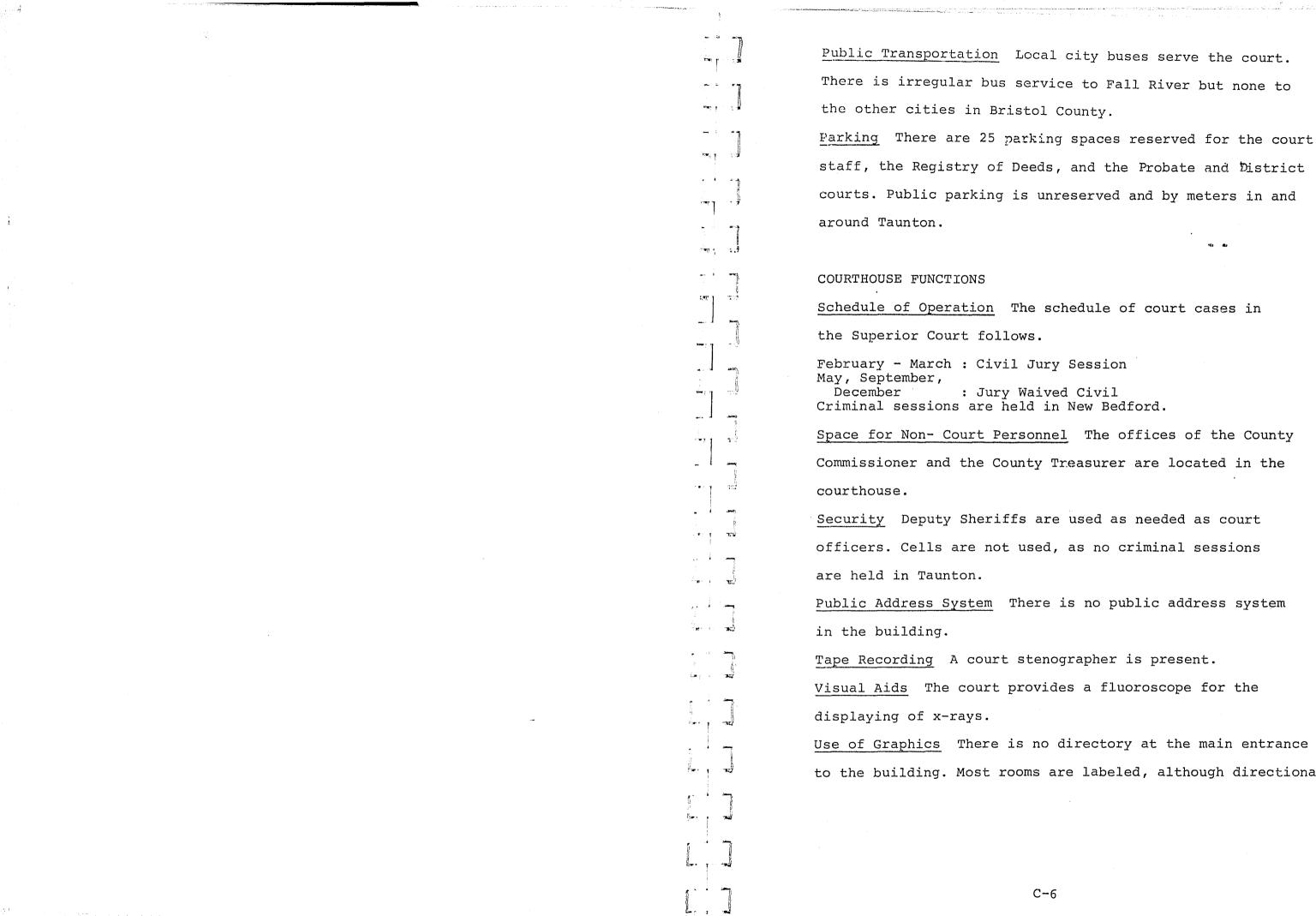
Description The courthouse is a three-story rough-cut granite block Florentine structure. Two circular elements stand at the front corners, while the remainder of the building is capped by a steep hip roof of copper. In the center is a huge domed tower, standing fully twice as high as the rest of the 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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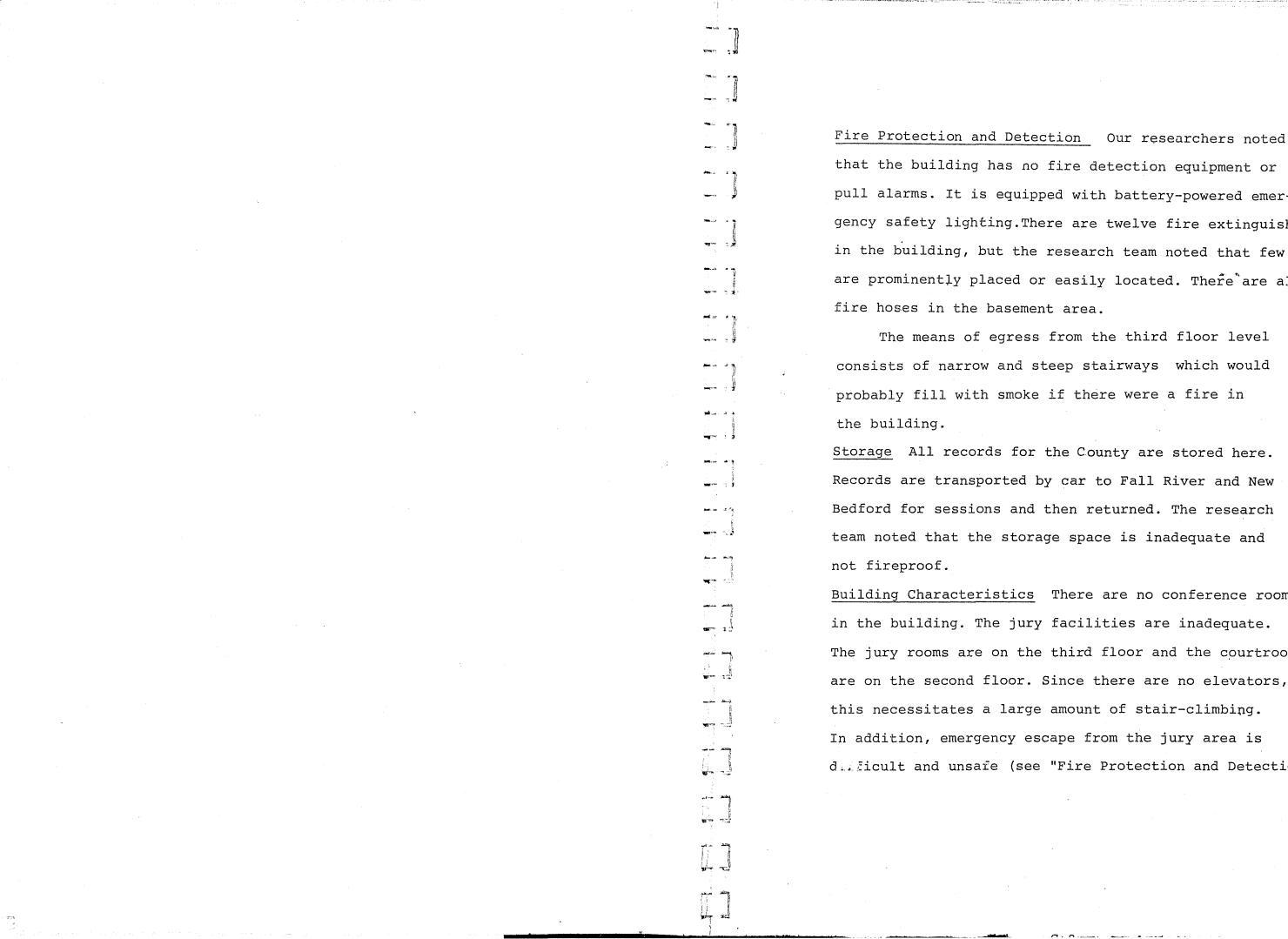
Qualitative comments included in this section, except where noted otherwise, were obtained from Mr. Paul Cotter, Head Custodian. Structural System The building is constructed of masonry bearing walls, with iron and masonry vaulted floors. There has been some roof leakage; some repairs were made during 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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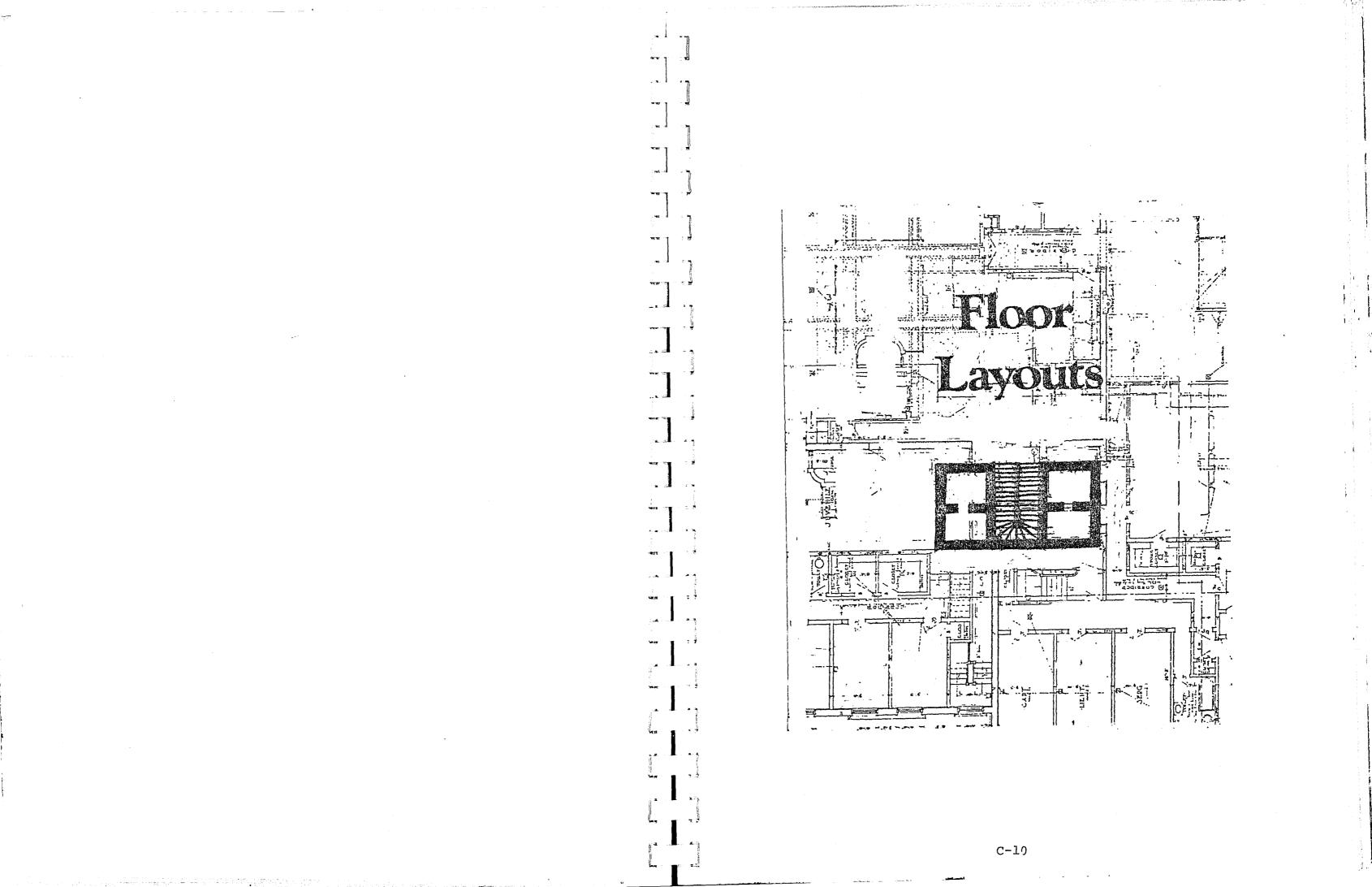
that the building has no fire detection equipment or pull alarms. It is equipped with battery-powered emergency safety lighting. There are twelve fire extinguishers in the building, but the research team noted that few are prominently placed or easily located. There also

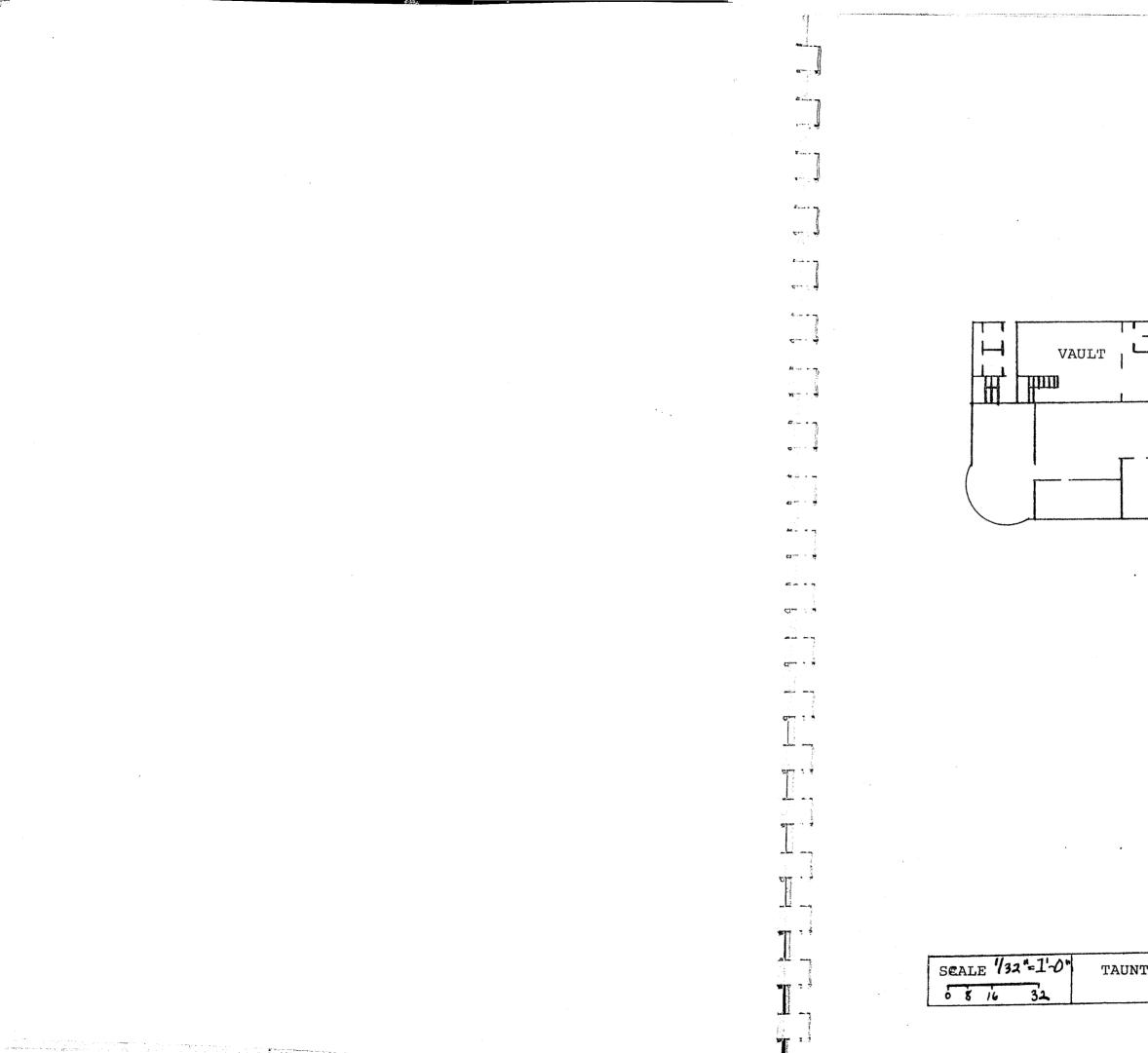
The means of egress from the third floor level consists of narrow and steep stairways which would probably fill with smoke if there were a fire in

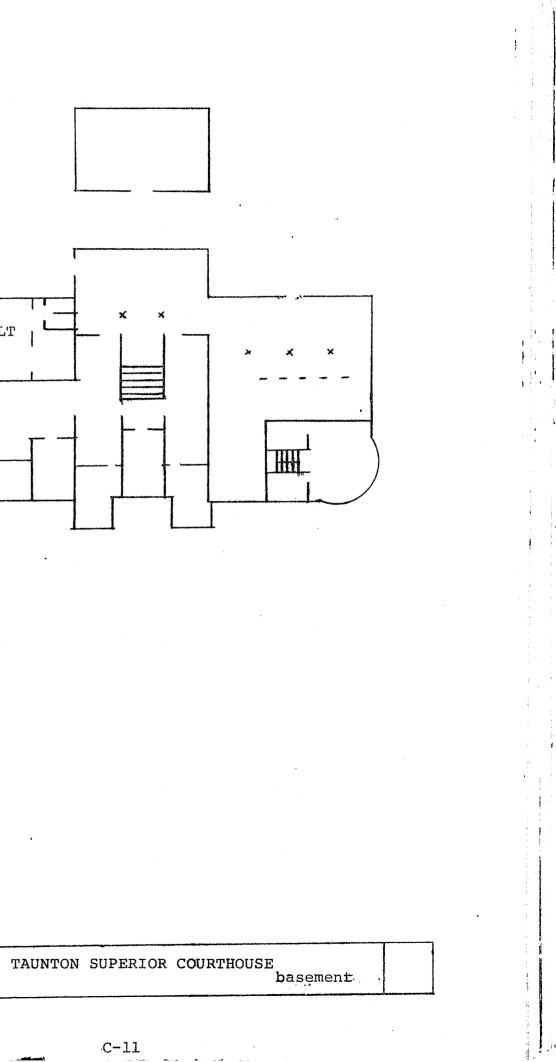
Records are transported by car to Fall River and New Bedford for sessions and then returned. The research team noted that the storage space is inadequate and

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

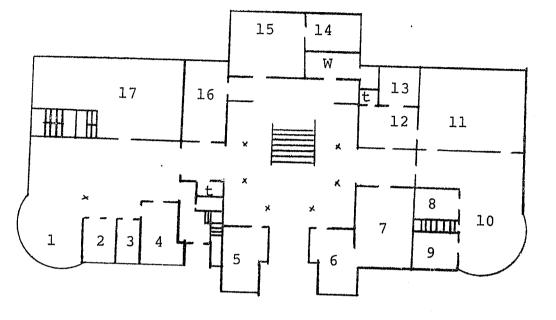






### KEY: FIRST FLOOR

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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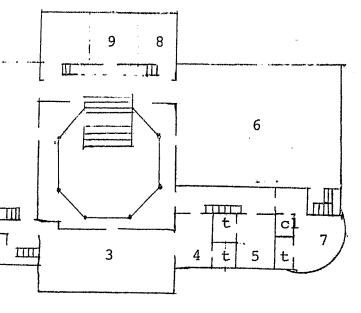
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ON SUPERIOR COURTHOUSE lst floor

## 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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TAUNTON SUPERIOR COURTHOUSE

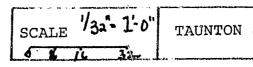
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# 2nd floor

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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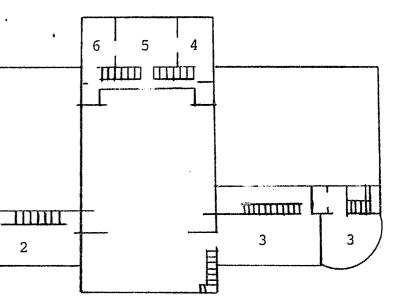
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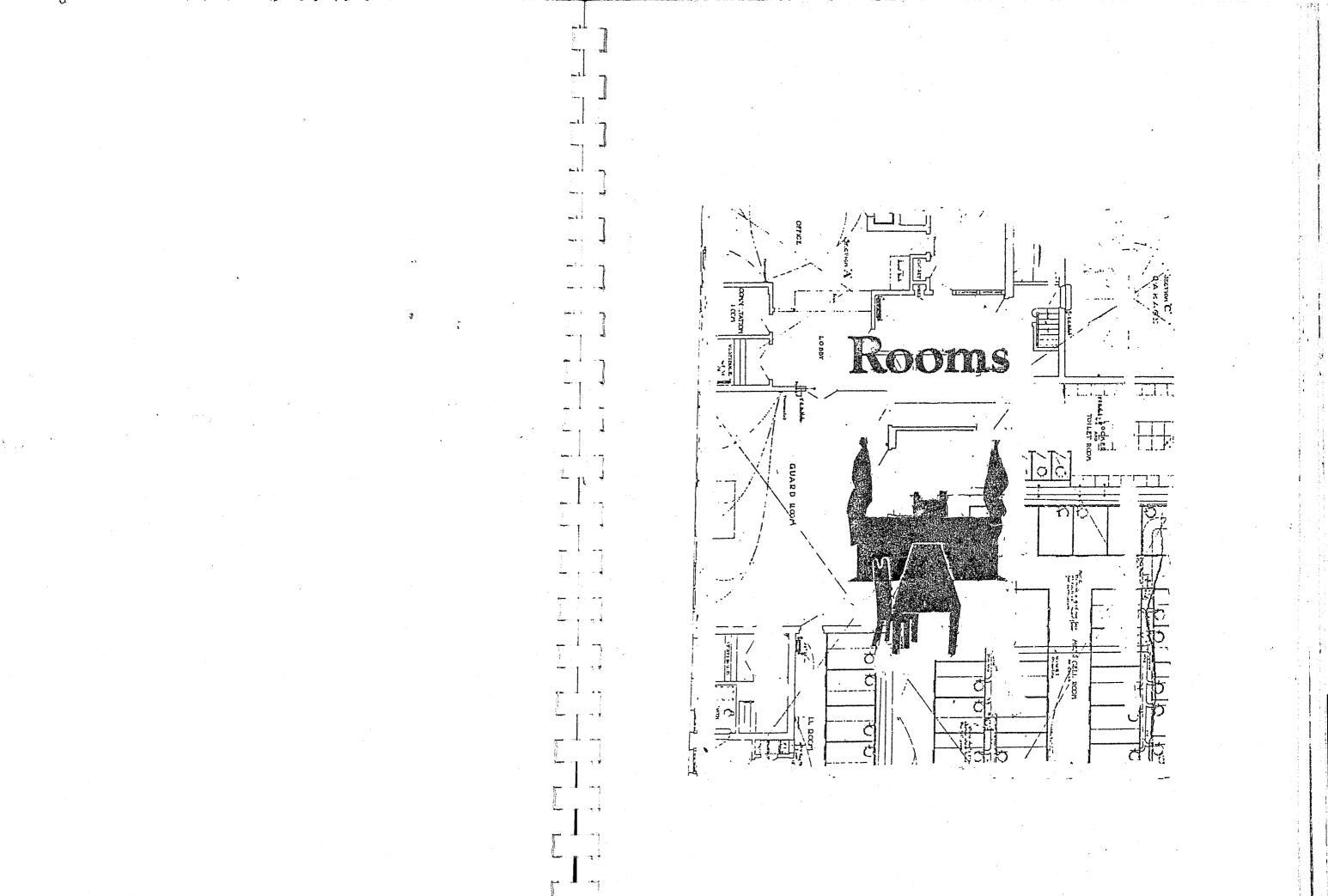
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TAUNTON SUPERIOR COURTHOUSE

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

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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

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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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	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

<ul> <li>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.)</li> <li>Itorays areas, vaults, machinery areas and custodial rooms are unveyed for only the square foctage.</li> <li>Preferent (3) of Vindows: The approximate percentage of the total vall area of the room which is composed of glass.</li> <li>Weight: The floor to calling height.</li> <li>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).</li> <li>Preferent (3) of Vindows: The approximate percentage of the total vall area of the room which is composed of glass.</li> <li>Weight: The floor to calling height.</li> <li>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).</li> <li>Preferent (3) of Vindows: The approximate percentage of the total vall area of the room which is composed of glass.</li> <li>Weight: The floor to calling height.</li> <li>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).</li> <li>Rating Explanation</li> <li>Net acceptability of the acceptable. Noise level exceeds standard or interface of the same of an the room.</li> <li>Max acceptable. Noise level exceeds standard or interface of the same of the same of the room.</li> <li>Max acceptable. Noise level exceeds standard or interface of the accepted standards of 11 the requirements for the functions performed in the room.</li> <li>Max accepted standards.</li> <li>Max accepted standards.</li> <li>Max accepted standards.</li> <li>Max acomption incomparisons betwoon the m</li></ul>	Criteria	based on the following rating scale:
Consisting areas, volt, machinery areas and custodial rooms are marked for only the square footage.         Definitions         AREA_Total floor area including work space, circulation space, and access in square fort.         AREA_Total floor area including work space, circulation space, and access in square fort.         Stress the degree to which public entry into a room is restricted.         Symbol       Explanation         Pub       Fublic: Access is unrestricted to general public. Frv       Private: Access is unrestricted by general public. Frv       Notacceptable: Noise level exceeds atandard or inter- faces with room function. flutter consistence withing the stream of the scenestion time.         Number or unsers. for locked doors. for locked doors. for locked doors. for access is a restricted by general public. for locked doors. for locked doors. for access is a restricted by general for acceptionist. for locked doors. for access is a restricted by general for acceptionist. for locked doors. for access is a restricted by general for acceptionist. for the functions private: Access is a restricted by general for acception film. for the functions private: Access is a restricted by general for acception film. for the functions private: Access is a restricted by general for acception film. for the functions private: Access is a restricted by general for acception film. for the functions private: Access is a for access for the scene for access for access for access for access for the room access for access	Courtrooms, offices, hearing rooms, scoretarial 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.)	<u>bright and Cheerful</u> 5 4 3 2 1 Percent (%) of Windows: The approximate percentage of the total wall area of the room which is composed of glass.
<ul> <li>Tupon measurements of achient noise level (dsA), and upon - Werberance</li> <li>Definitions</li> <li>AREA Total floor area including work space, circulation space, and atorego in square feet.</li> <li>AREA Total floor area including work space, circulation space, and atorego in square feet.</li> <li>AREA Total floor area including work space, circulation space, and atorego in square feet.</li> <li>AREA Total floor area including work space, circulation space, and atorego in square feet.</li> <li>AREA Total floor area including work space, circulation space, and atorego in square feet.</li> <li>AREA Total floor area including work space, circulation space, and atorego in square feet.</li> <li>AREA Total floor area including work space, circulation space, and feet.</li> <li>AREA Total floor area including work space, circulation space, and the space area of the standard or interface and space atom space.</li> <li>Breing Section circulation space atom space a</li></ul>	Storage areas, vaults, machinery areas and custodial rooms are surveyed for only the square footage.	•
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Definitions         AREA Total flow area including work space, circulation space, and storage in square feet.         AREA Total flow area including work space, circulation space, and storage in square feet.         AREA Total flow area including work space, circulation space, and storage in square feet.         AREA Total flow area including work space, circulation space, and storage in square feet.         AREA Total flow area including work space, circulation space, and storage in square feet.         AREA Total flow area including work space, circulation space, and storage in square feet.         AREA Total flow area including work space, circulation space, and the storage in square feet.         AREA Total flow area including work space, circulation space, and the storage in square feet.         AREA Total flow area including work space, circulation space, and the storage in square feet.         AREA Total flow area including work space, circulation space, and the storage in square feet.         Symbol Exploration         Pub Public: Access is partially restricted by mans of doors, counters, or space.         See Cores Access is a partially restricted by guard, receptionsis, interface for the monsure functions.         WINER OF USES The estimated scaling capacity of a room for users and specitators, based upon current furnishing.         Pristical flow area for the core of the core of the monsure functions of the room area for the mosared light levels for all functions of the room area for the species of the mosared light levels for all functions are substandard.	- 4	
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
<ul> <li>NUMBER OF Usens the estimated sealing capacity of a room for the function of a room current furnishing.</li> <li>F - Fluorescent fuerishing.</li> <li>F - Fluorescent fuerishing.<td></td><td>LIGHTING Type: Refers to type of light fixtures in the room.</td></li></ul>		LIGHTING Type: Refers to type of light fixtures in the room.
<ul> <li>FINISH Minimials (Mat):</li> <li>Fofires Codes</li> <li>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):</li> <li>Rating Explanation</li> <li>Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition.</li> <li>Fair Condition of surface indicates some damage. Small scale - corrective maintenance are necessary to retard deterioration of condition.</li> <li>Poor Condition f surface indicates severe damage. Large scale corrective maintenance is preventive maintenance is prev</li></ul>	And spectators, based upon current furnishing.	F - Fluorescent fluorescent
<ul> <li>P - painted ABT - Asbestos Tile CX - Cork S - Stone</li> <li>p - painted ABT - Asbestos Tile CX - Cork S - Stone</li> <li>g - glazed AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound</li> <li>t - textured AT - Acoustic Tile CT - Concrete Absorbing</li> <li>B - Brick G - Glass T - Terrazzo</li> <li>BC - Bookcase M - Metal V - Vinyl</li> <li>C - Carpet P - Plaster W - Wood</li> <li>CB - Concrete Block PR - Paper WP - Wood</li> <li>CB - Concrete Block PR - Paper WP - Wood</li> <li>Cadition (Condin):</li> <li>Rating Explanation</li> <li>Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition.</li> <li>Fair Condition of surface indicates some damage. Small scaleepling and corrective maintenance are necessary to retard deterioration of condition.</li> <li>Poor Condition of surface indicates severe damage. Large scale corrective maintenance is recessary to prevent</li> </ul>	FINISH	<ul> <li>based upon comparisons between the measured light levels (in footcandles) and the accepted standards of light requirements</li> </ul>
<ul> <li>p - plainted ABT - Asbestos Tile CX - COX is 3 - Sound is - textured ABT - Acoustic Flater CRT - Ceramic Tile SA - Sound Absorbing B - Brick G - Glass T - Terrazzo DC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Wood CB - Concrete Block PR - Paper WP - Wood CB - Concrete Block PR - Paper Paneling Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition.</li> <li>Fair Condition of surface indicates some damage. Small scale</li></ul>	Frefixes Coles	
<ul> <li>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</li> <li>Condition (Condth):</li> <li>Rating Explanation Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this condition.</li> <li>Fair Condition of surface indicates some damage. Small scale .epiirs and corrective maintenance are necessary to retard deterioration of condition.</li> <li>Poor Condition of surface indicates severe damage. Large scale corrective maintenance is precessary to retard deterioration of condition.</li> <li>Poor Condition of surface indicates severe damage. Large scale corrective maintenance is precessary to prevent</li> </ul>	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	
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 scal: .epuirs and corrective maintenance are necessary to retard deterioration of condition.         Poor       Condition of surface indicates severe damage. Large scale corrective maintenance is precessary to prevent	BC - Bookcase M - Metal V - Vinyl C - Carpet P - Plaster W - Wood	Poor Light levels for all functions are substandard.
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
preventive maintenance is sufficient to maintain this       C       Condition in the construction of surface indicates some damage. Small scale epuirs and corrective maintenance are necessary to retard deterioration of condition.       W       Window air conditioning units.         Poor       Condition of surface indicates severe damage. Large scale corrective maintenance is necessary to prevent       R       Room air-conditioning units.	a built of surface shows no sign of damage. Continued	
condition.       W       Window air conditioning units.         Fair       Condition of surface indicates some damage. Small scalepuirs 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       N       Window air conditioning units.	Good condition of sufface shows no sign of damager something , preventive maintenance is sufficient to maintain this	
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.
	complete loss of the finish.	

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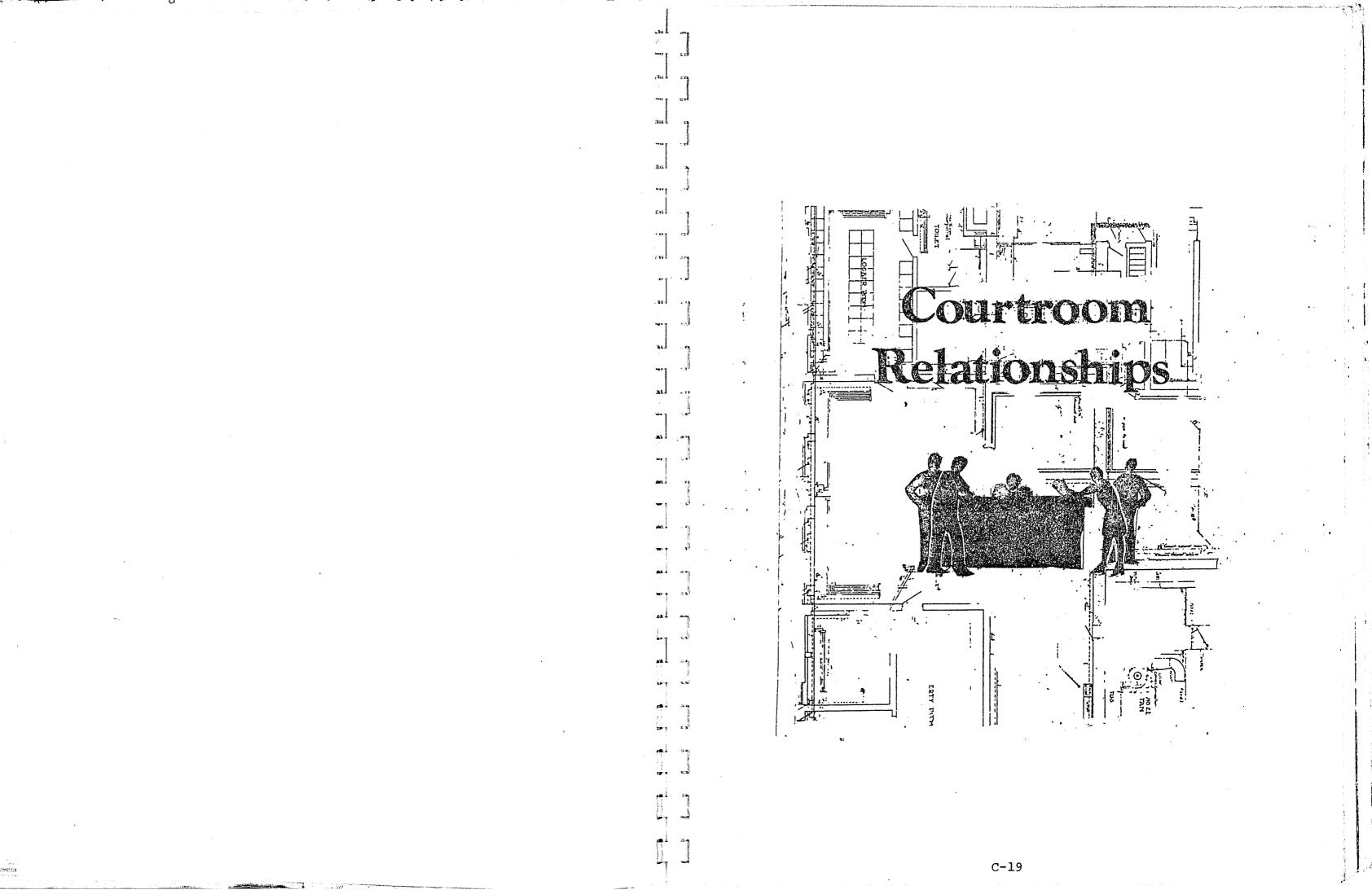
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LIGHTING US-ERS MatCondtn ToneWindMat Condtn MatCondtn Ht ACOU-AIR ft.) ESS ROOM STICS Type Level COND 1200 SEC Judge's Off. & Library 5 15' pР FAIR 3 10 C/W FAIR FAIR Ι N pР ACC FAIR 170 SEC Storage #1 Storage #2 SEC 280 Storage #3 ÷ ? SEC 70 •

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	JUDGE
	Can the Judge see the entire co
l _{er}	Can the Judge hear the Witnesse
	Can the Judge hear the Attorney Is the Judge's lobby adjacent t courtroom?
	Is there a bathroom in the Judg
	Is the Judge's lobby private?
أليون-	Is the Judge's lobby secure?
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
In James	* When Attorneys are in their u

	Main	2nd & Juv.	
courtroom?	Yes	Yes	
ses clearly?	No	Yes	
eys clearly?*	Yes	Yes	
to the	Yes	No	
dge's lobby?	Yes	Yes	
	Yes	Yes	
	Yes	Yes	
moo	12	12	
ors from	20'	51	
ors from	15'	2'	
at full	Yes	Yes	
at full face?	Yes	Yes	
utor &	Yes	Yes	
ige as	Yes	No	
clearly?*	Yes	No	
orneys?	Yes	Yes	
Lcrophone?	No	No	
			,
	Yes	No	
clearly?	Yes	Yes	

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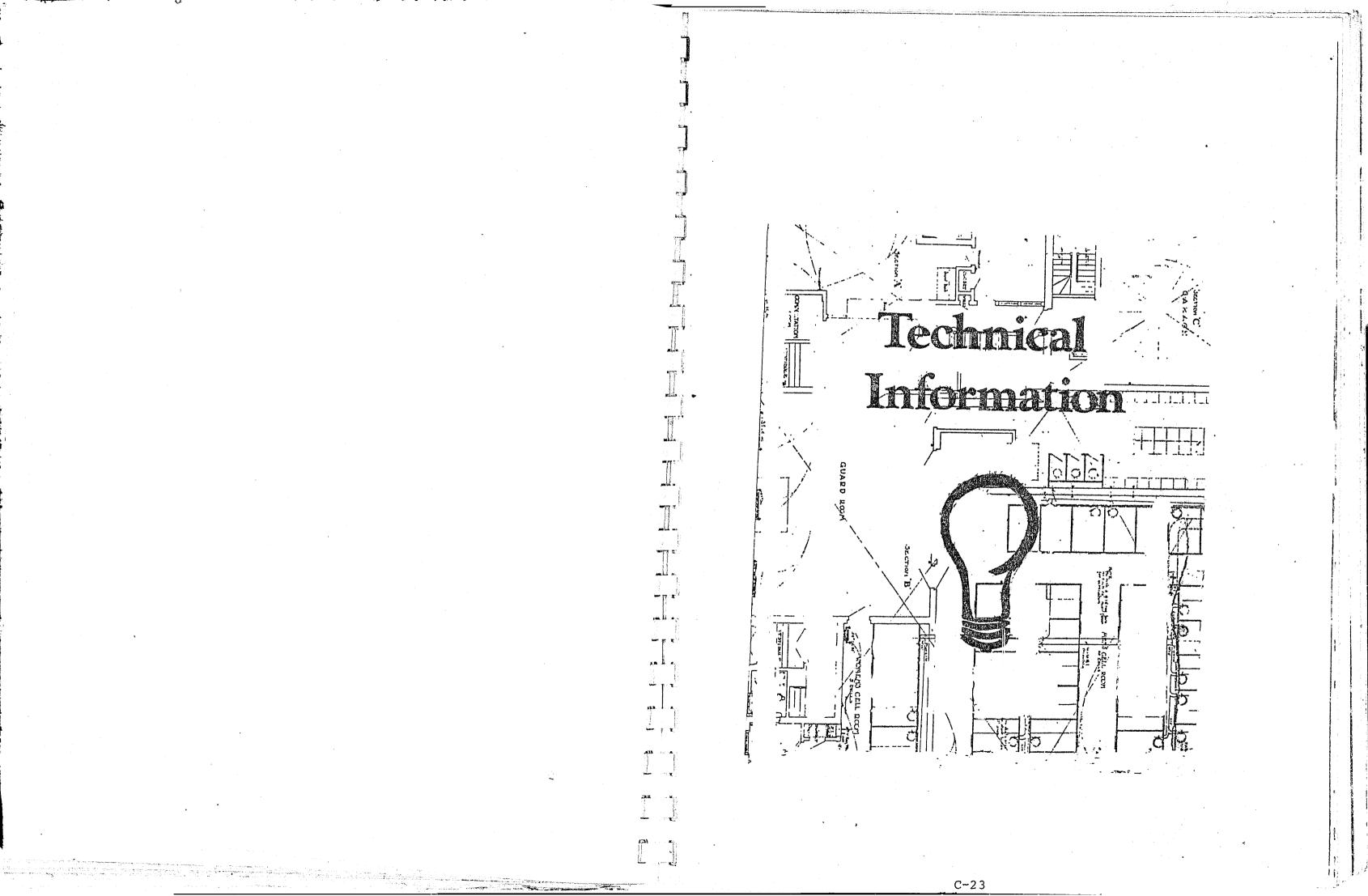
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# ADDITIONAL COMMENTS MAIN COURTROOM This is a very ornate courtroom, with extensive detail 1 1 in ser incandescent fixtures). Sec. Same way . . . **.** . SECOND/ JUVENILE 1.174 The ceiling in this courtroom is arched, and extemely high. T. .... ಜ್ ್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

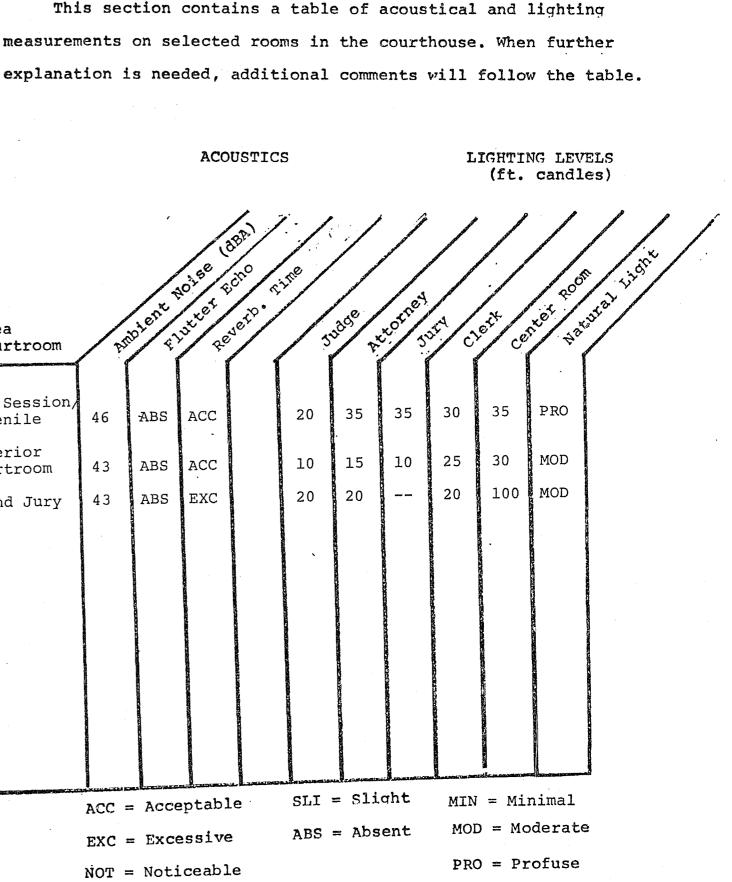
Room	Function	Light (Footcandles)
Courtrooms	seating area court activity area	30` 70
Library .	reading printed material study and note taking	L 30. 70
Conference Room	interviewing	30
Offices (Accounting)	auditing, tabulating, bookkeeping, business machine operation, compu operation	150 Iter
Offices (General)	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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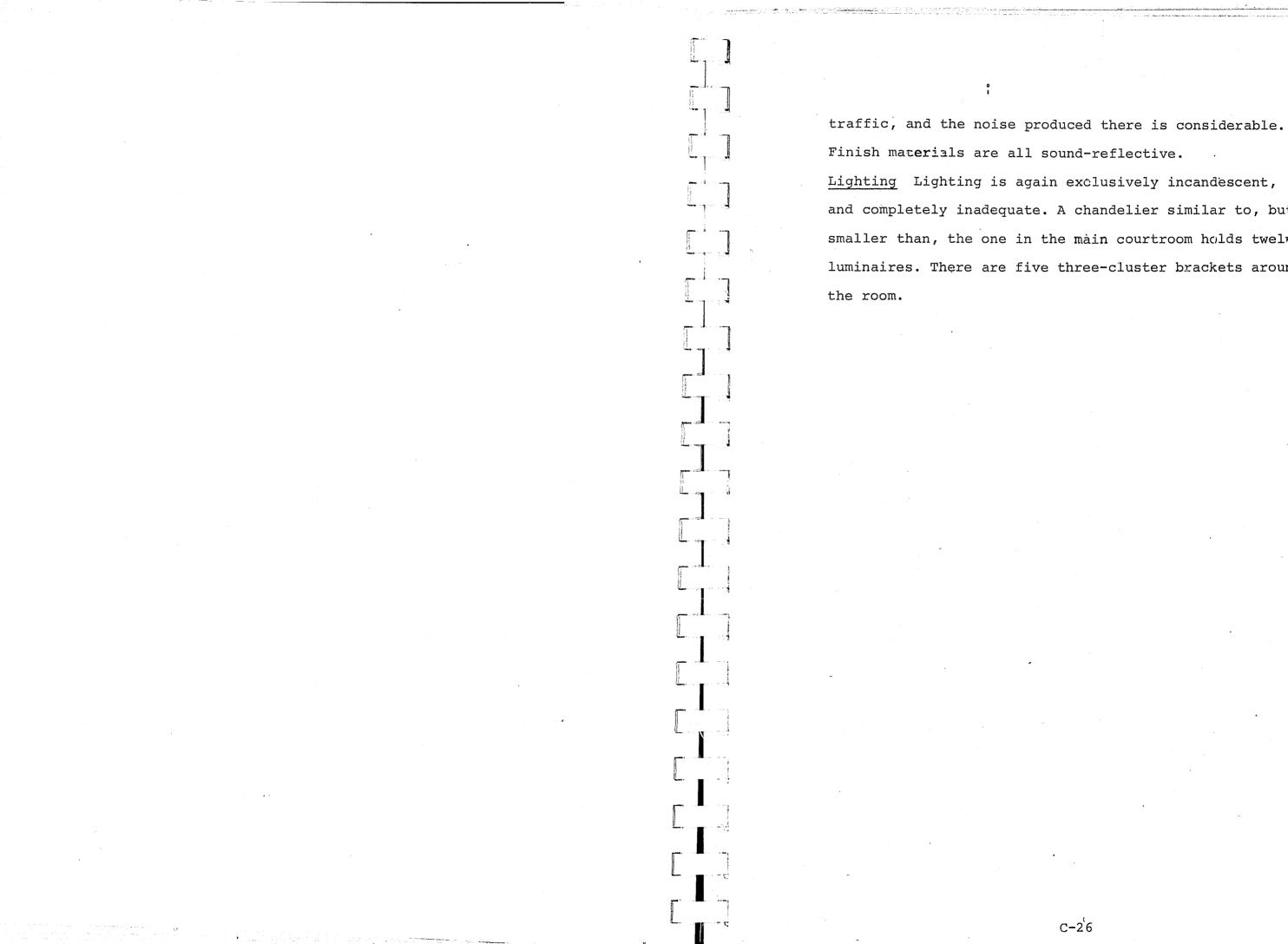
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Acoustics The primary ambient noise source is city traffic. Hallway noise is also quite audible, especially since the doors have grills in them, allowing noise to travel through them, as if there were no doors. The room is finished entirely with sound 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

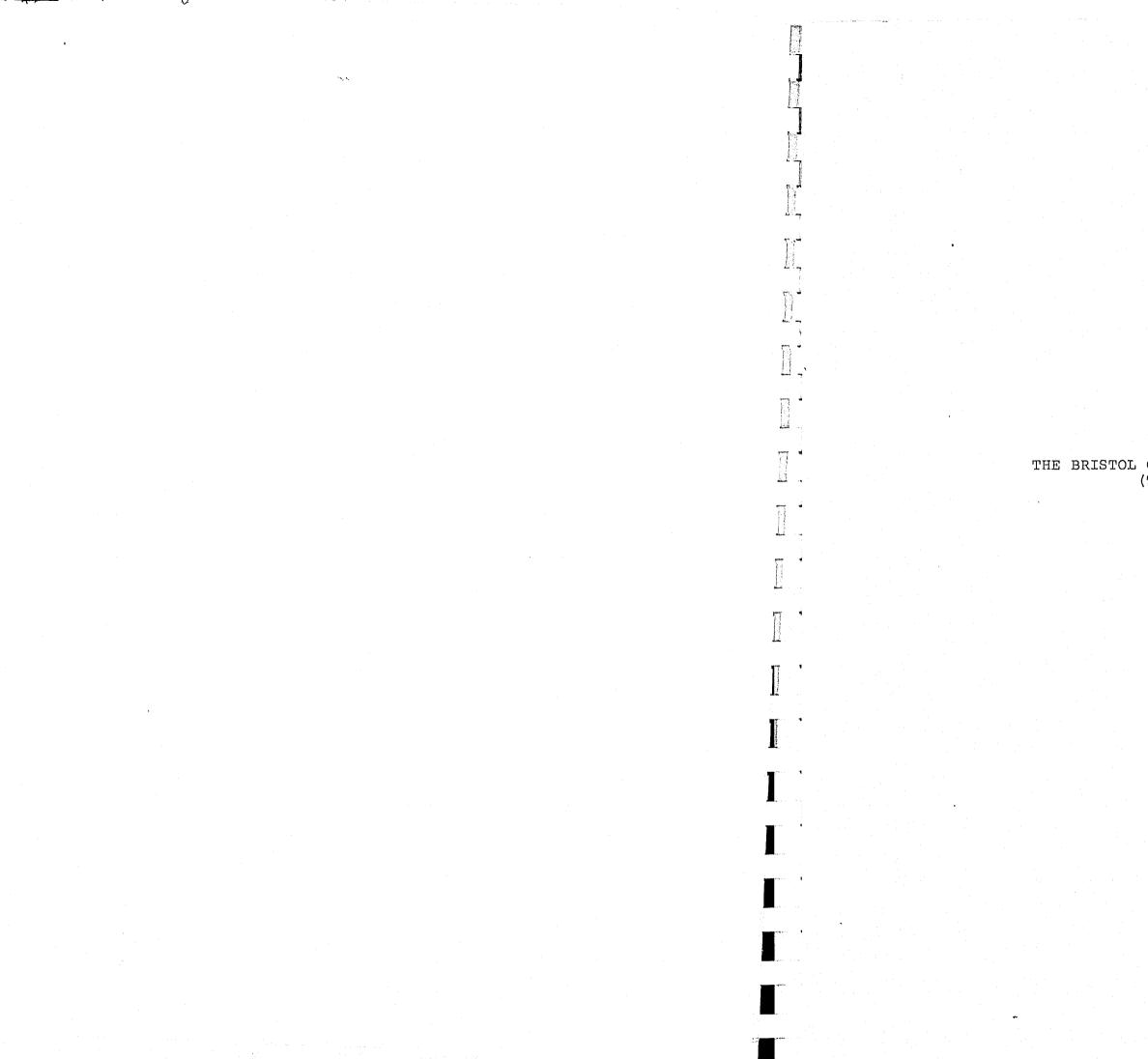
Acoustics The primary ambient noise source is traffic noise. The courtroom faces the Taunton Green, which has heavy

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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



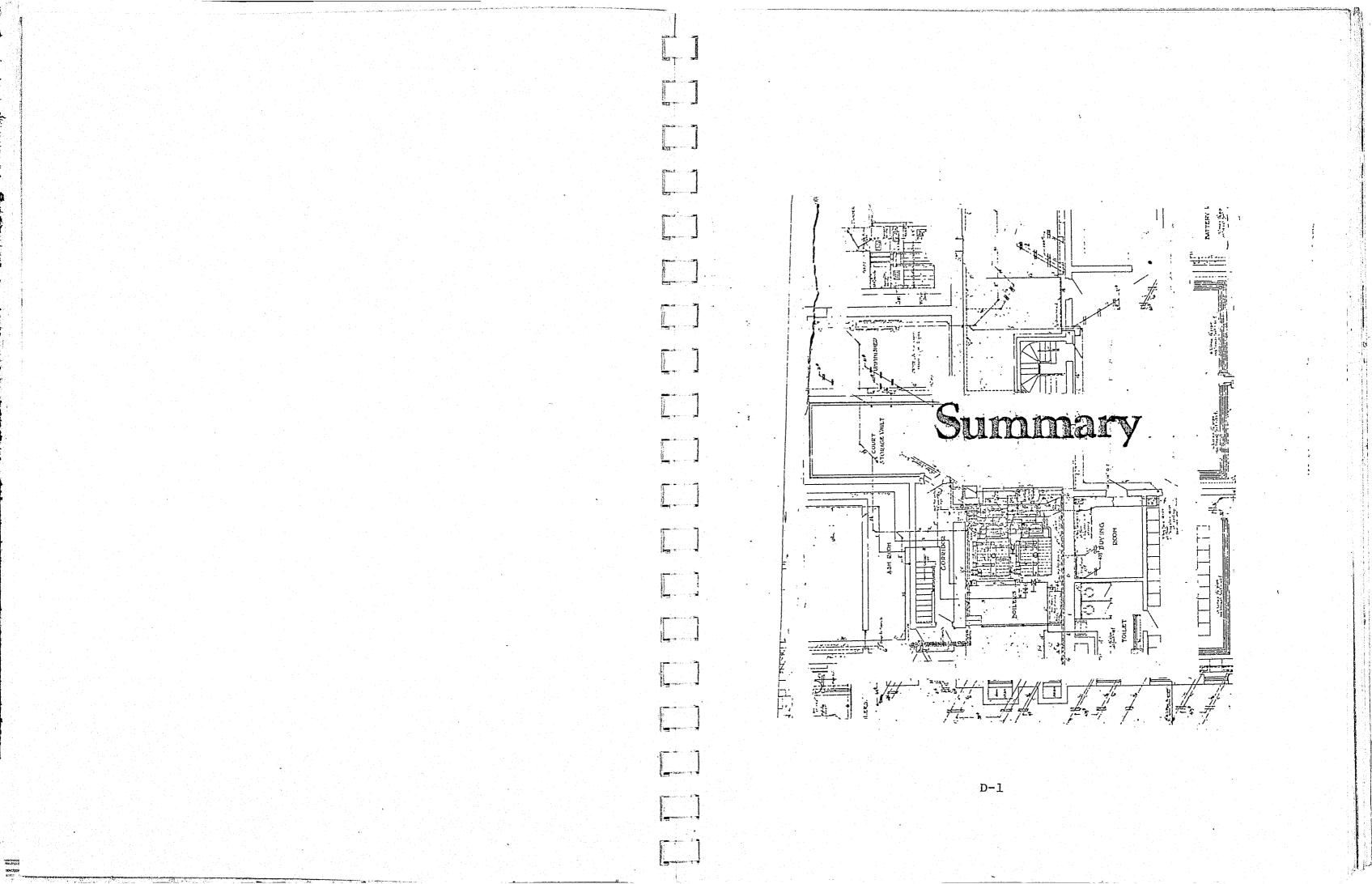
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THE BRISTOL COUNTY PROBATE COURT (TAUNTON)

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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

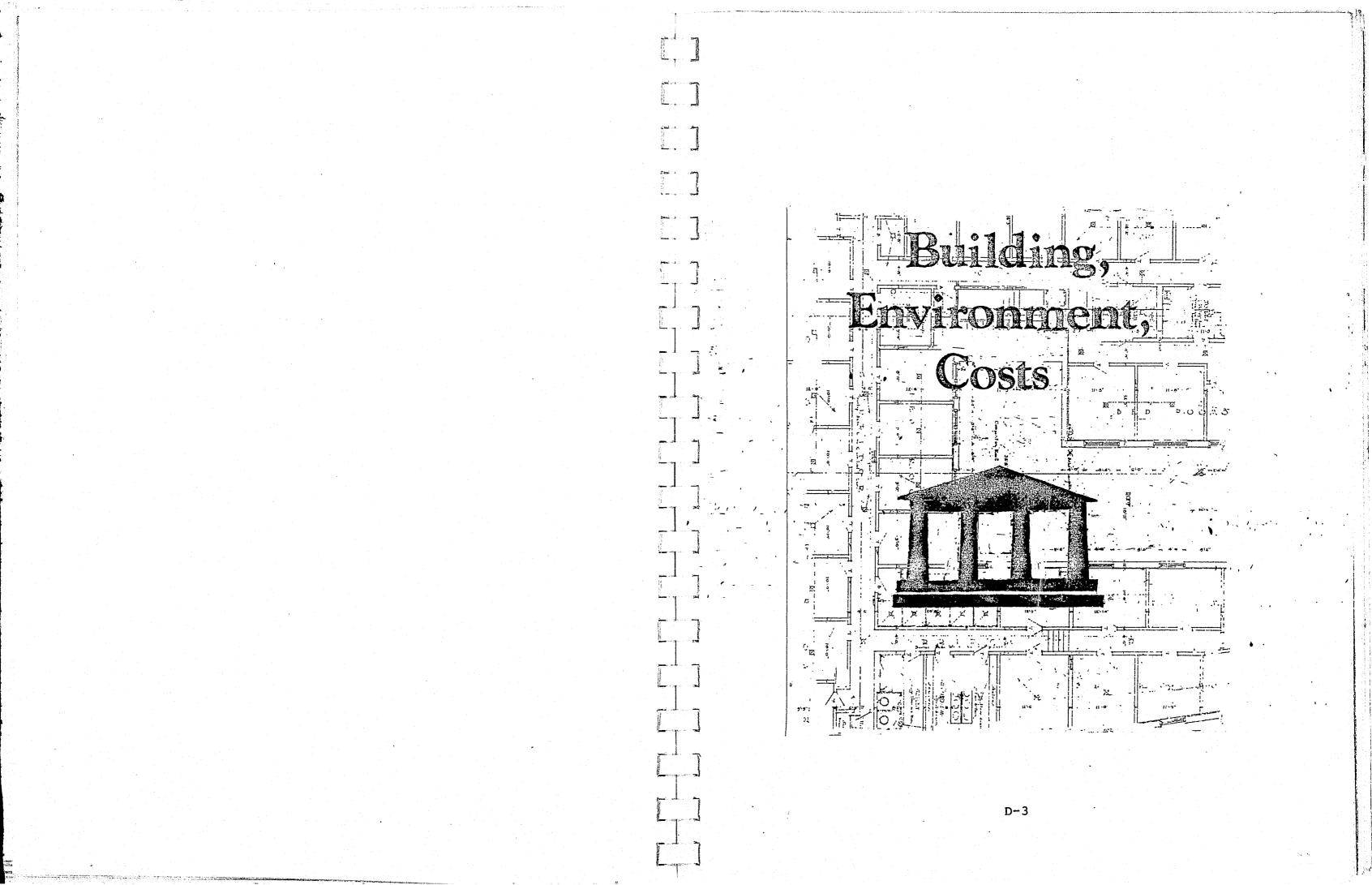
Storage space is currently adequate and may be

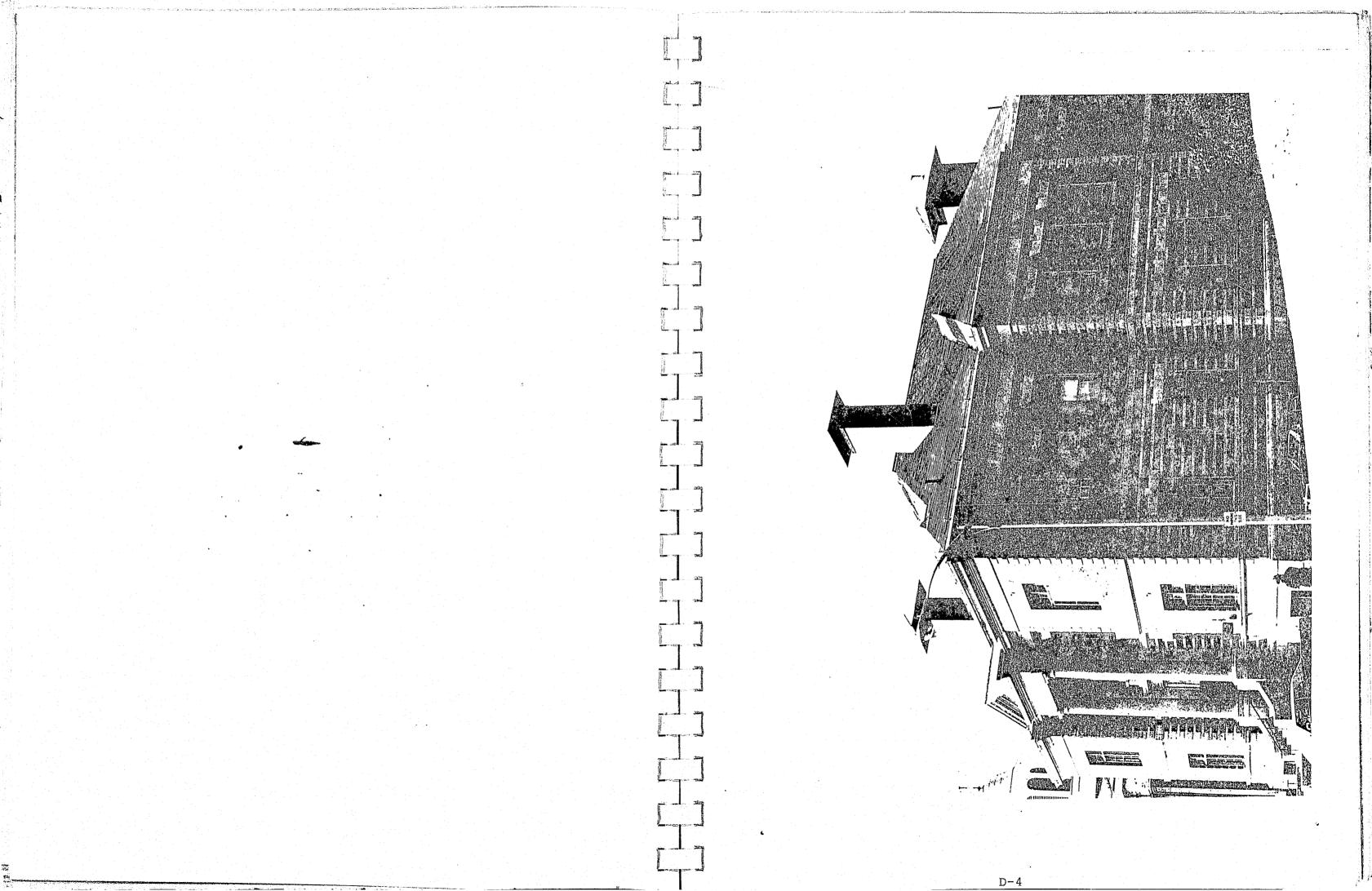
Many rooms have an excessive reverberation or a high level of background noise. In the Probate courtroom, the acoustics are fair, but the high reverberation echo

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
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Courtroom and a shared
is unused, except the s
both Registries.
Security One deputy she
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in the building.
Tape Recording The cou
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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

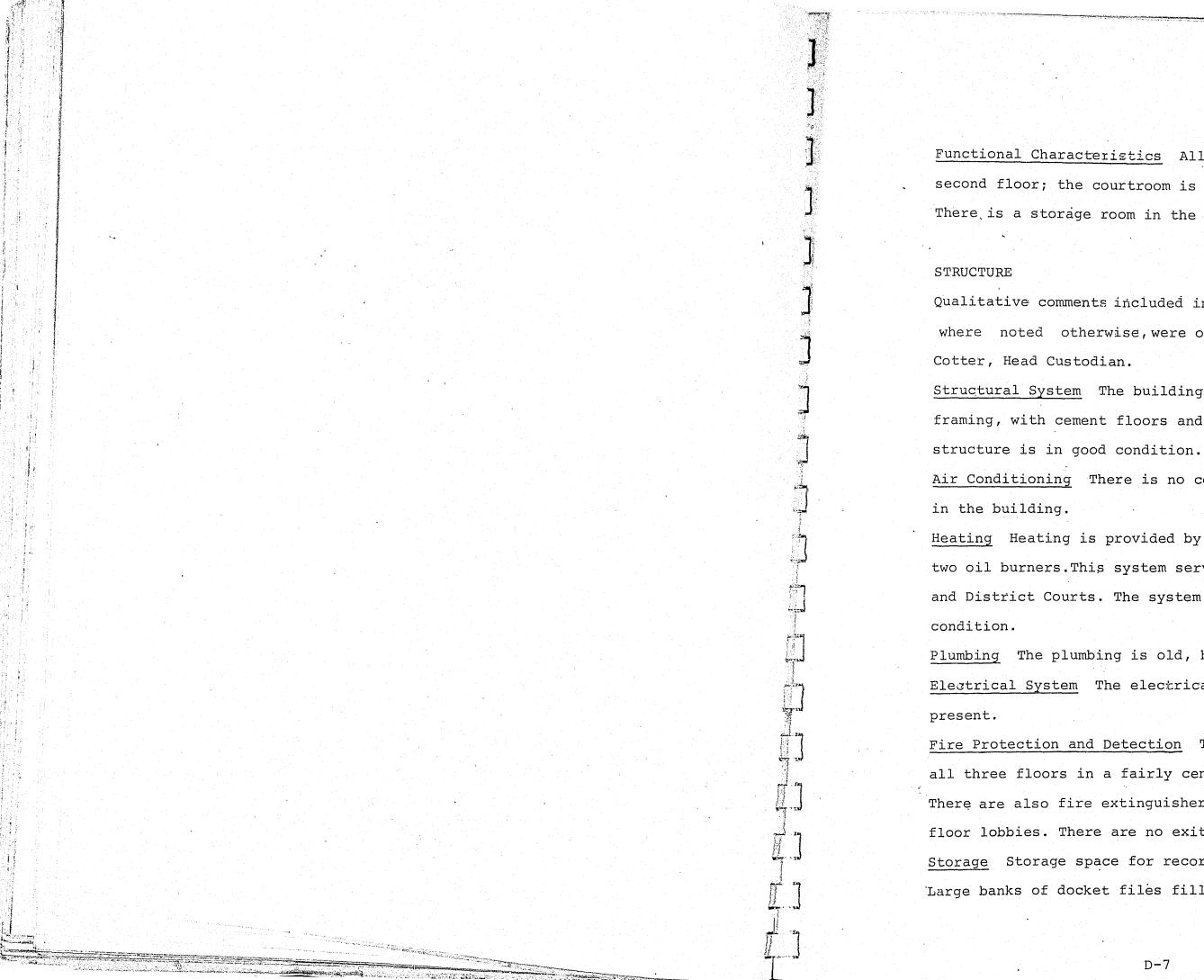
neriff is employed as needed. . There is no public address system

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

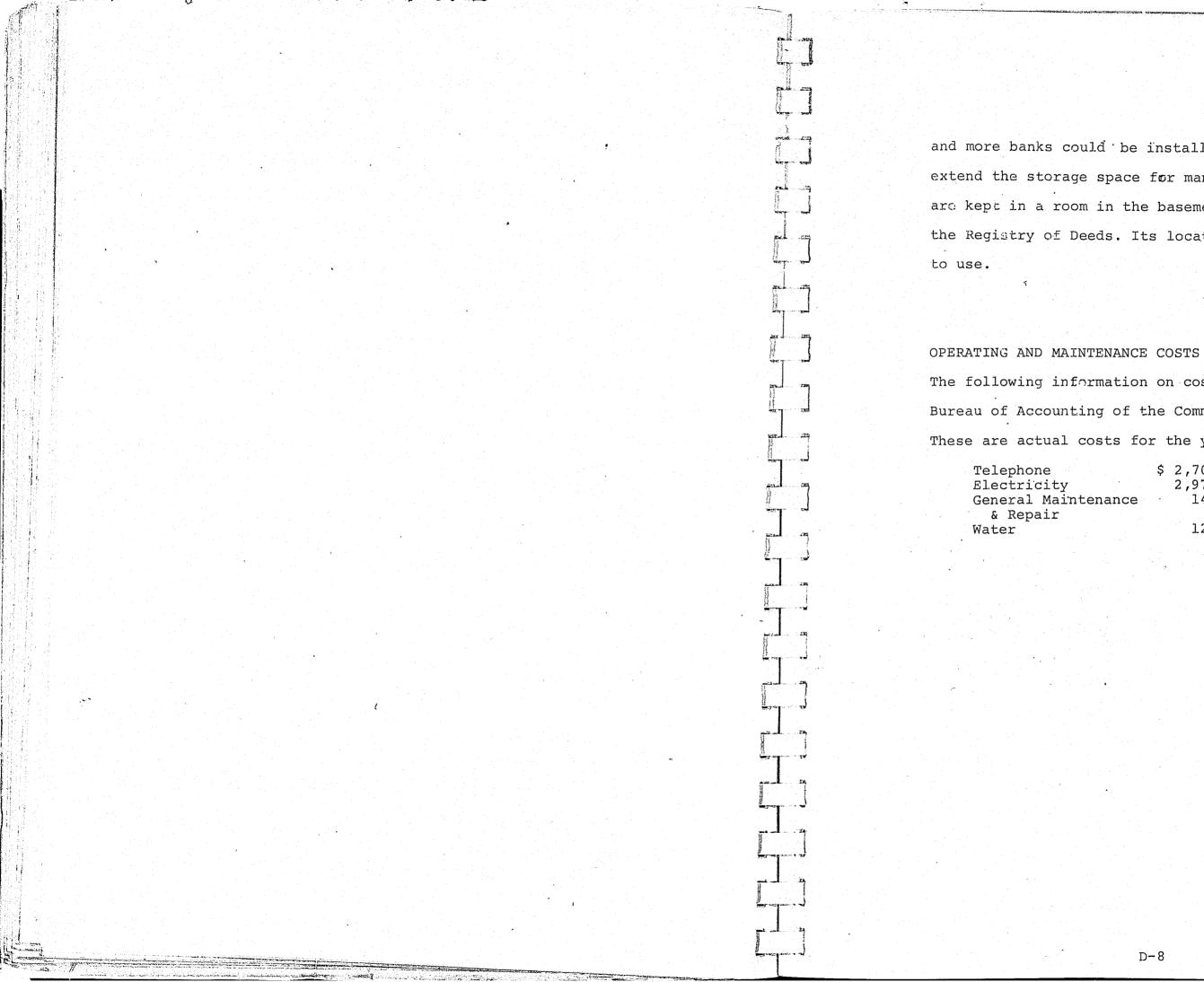
Heating Heating is provided by a steam system with two oil burners. This system serves the Superior, Probate and District Courts. The system is adequate and in good

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

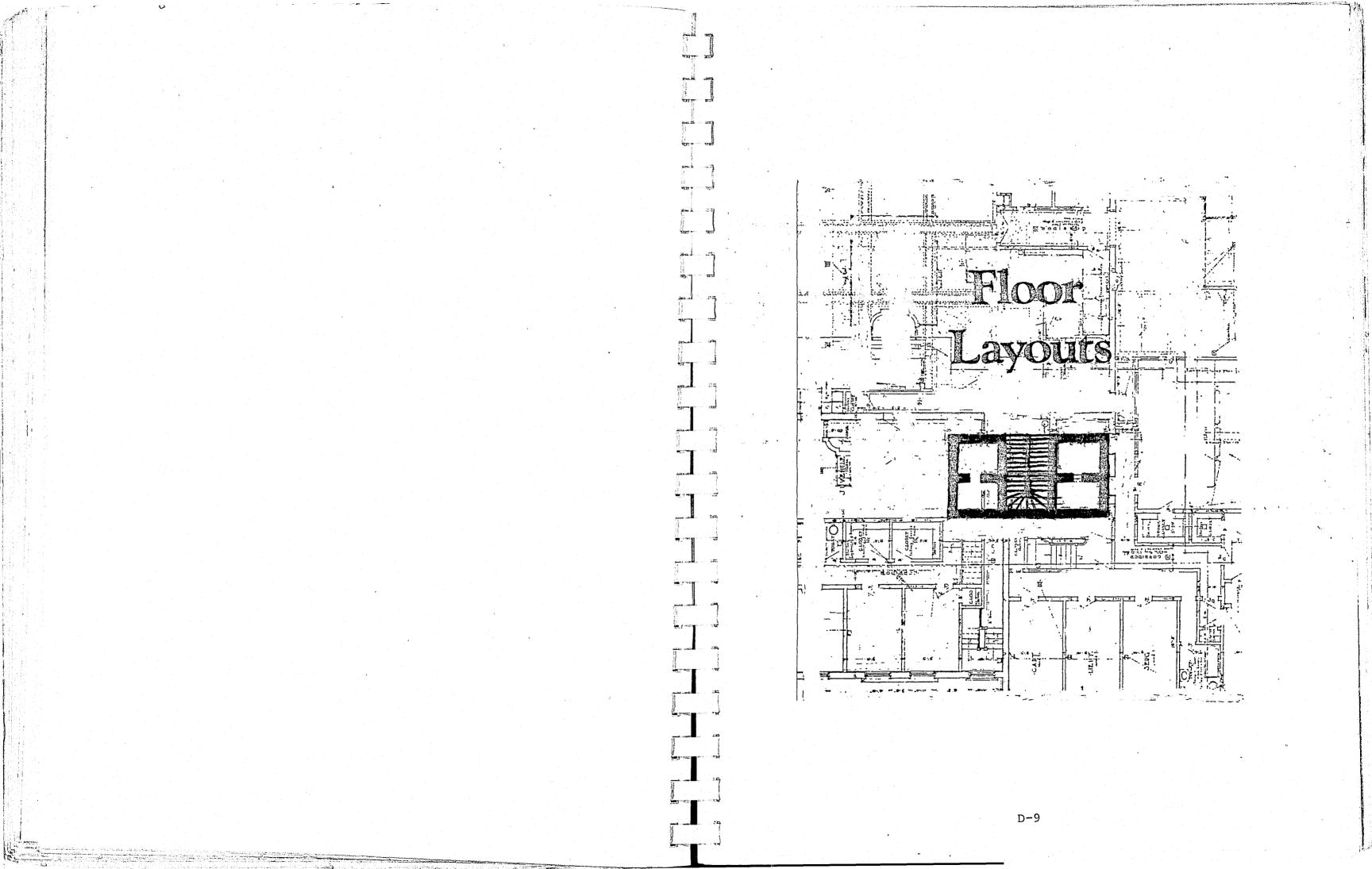


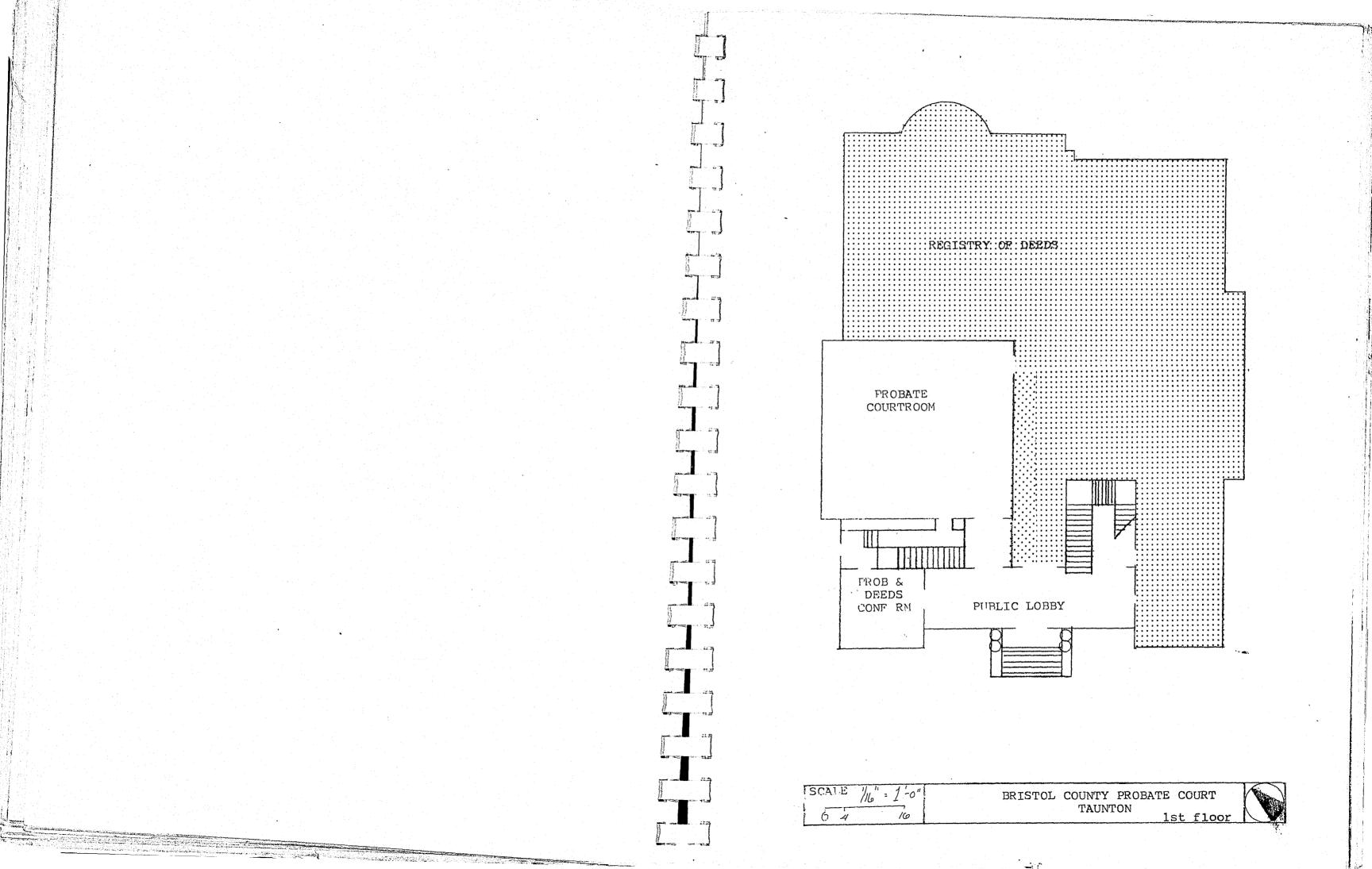
and more banks could be installed. This would extend the storage space for many years to come. Supplies are kept in a room in the basement that is shared with the Registry of Deeds. Its location makes it inconvenient

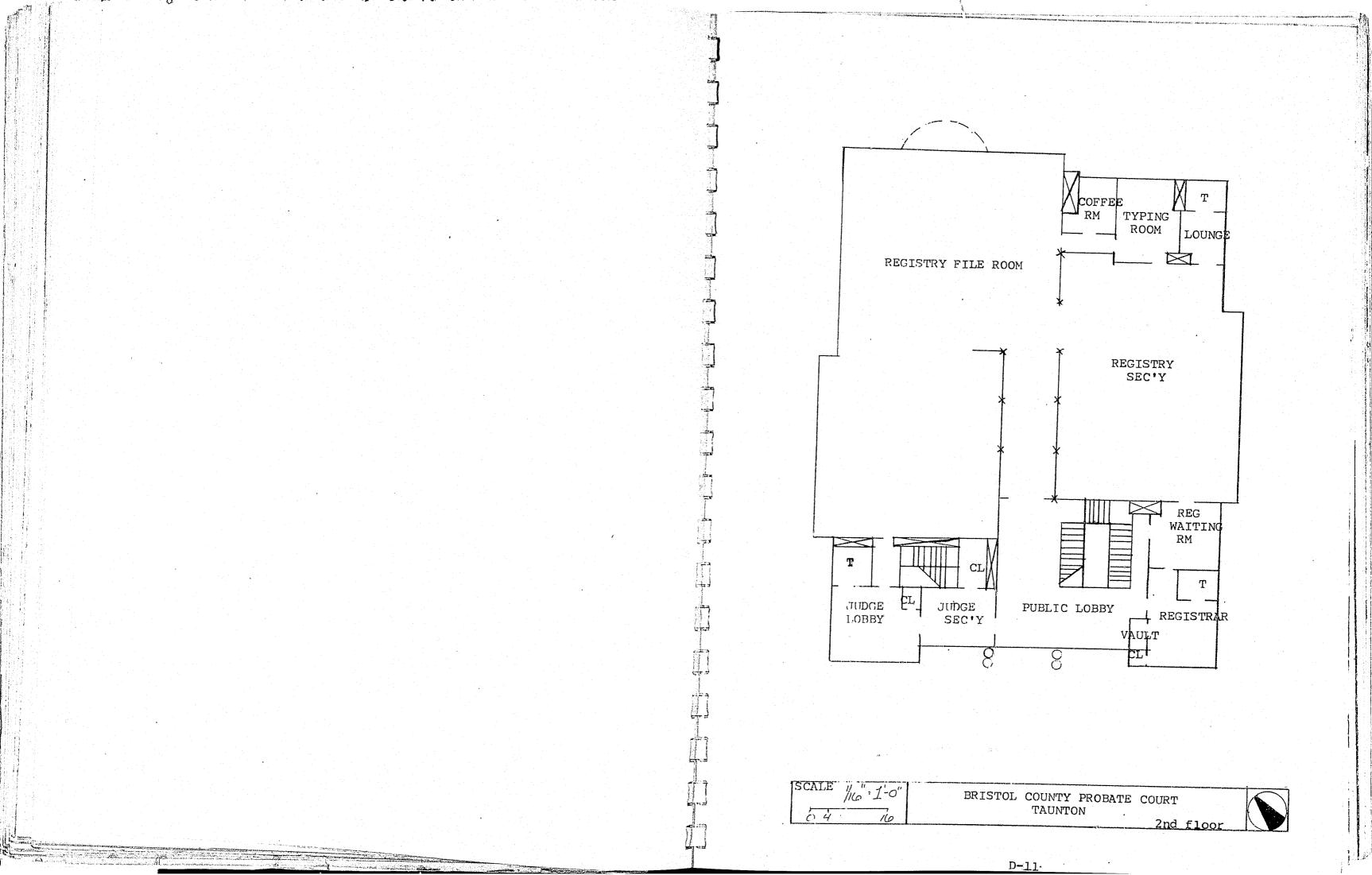
The following information on costs was obtained from the Bureau of Accounting of the Commonwealth of Massachusetts. These are actual costs for the year 1972-1973.

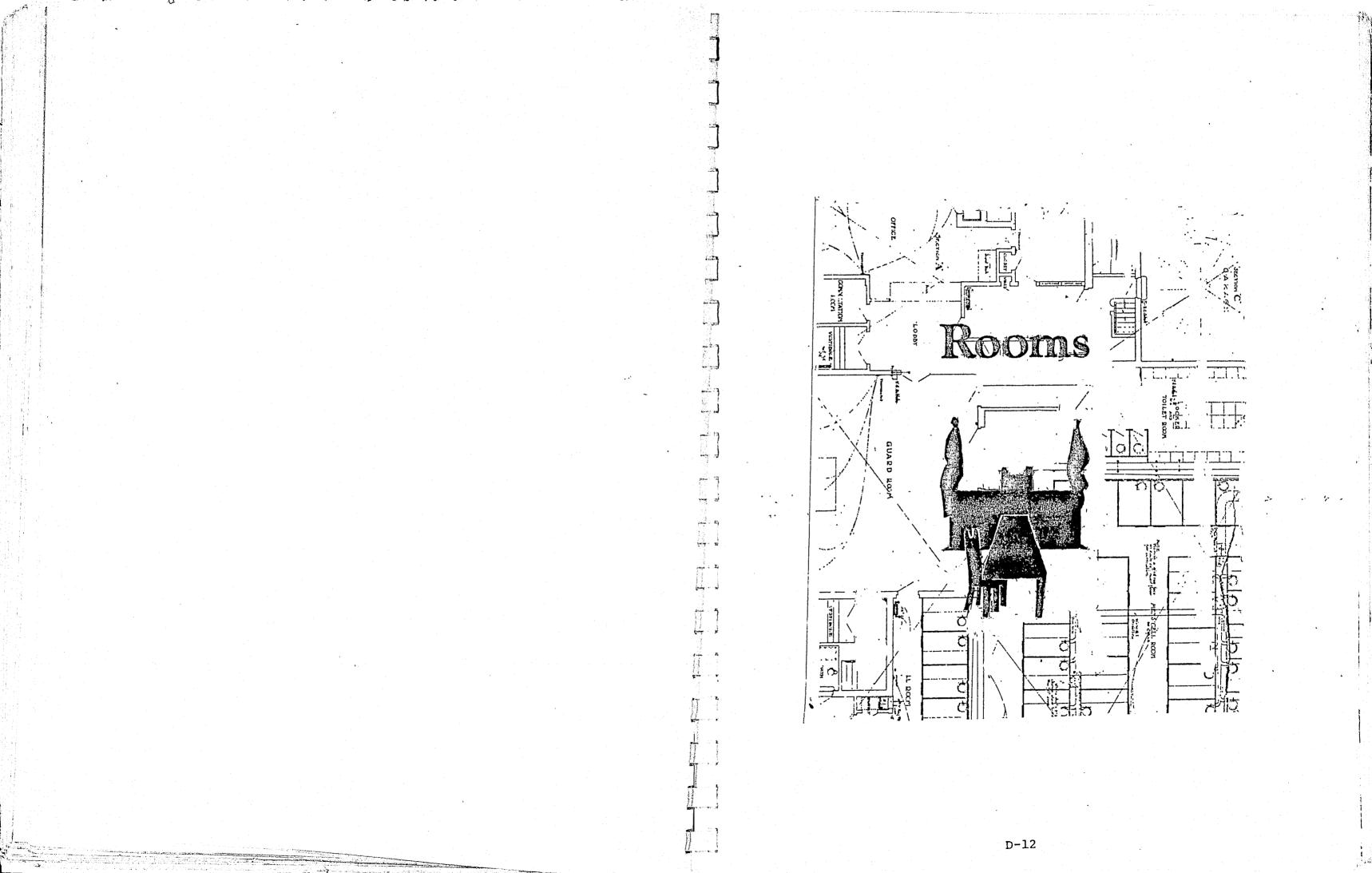
	\$ 2,700.00
•	2,970.84
tenance	144.85

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
<ul> <li>NUMBER OF USERS The estimated seating capacity of a room for users.</li> <li>and spectators, based upon current furnishing.</li> <li>FINISH</li> <li>Finish (Matt):</li> <li>Frequencies Codes</li> <li>p - painted ABT - Asbestos Tile CX - Cork S - Stone</li> <li>g - glazed AP - Acoustic Plaster CRT - Ceramic Till's Sa' - Sound</li> <li>B - Brick G - Class T - Concrete Absorbing</li> <li>BC - Bookcase M - Metal V - Vinyl</li> <li>CB - Concrete Block PR - Paper WP - Wood</li> <li>Candition (Condin):</li> <li>Rating Explanation</li> <li>Good Condition of surface indicates source damage: - Small - scale corrective maintenance are necessary to retard deterioration of condition.</li> <li>Poor Condition of surface indicates severe damage. Large scale corrective maintenance is necessary to prevent</li> </ul>	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

D-13

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

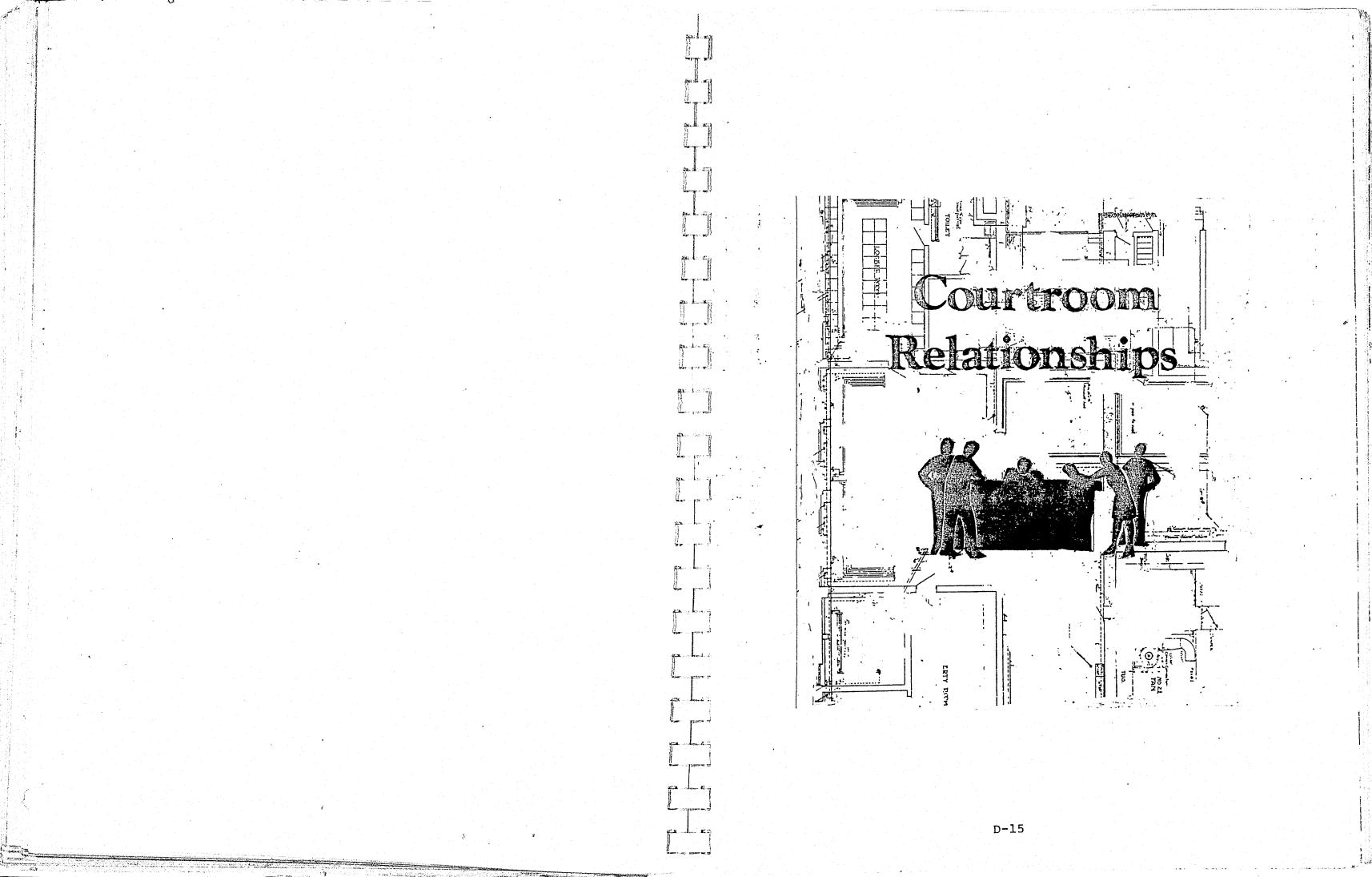
Conference Room	280	PUB	9	pP	FAIR	3	20	Ý	GOOD	pP	GOOD	15'	UnNR	I	POOR	N
Probate Courtroom	1440	PUB	75	WP/ pP	FAIR	2	20.	c/v	FAIR	pР	FAIR	15'	UnR	I/F	POOR	N
Public Library	520	PUB	0	S/ Pa	GOOD	3	10	Т	FAIR	Pq	GOOD	15'	UnR	I	FAIR	N
SECOND FLOOR					·						-					
Judge's Lobby	250	PRV	6 6	₽/BC ₽	/ GOOD	5.	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.
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<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.
<ul> <li>p- painted ABT - Asbestos Tile CK - Cork S - Stone</li> <li>g- glazeŭ AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound</li> <li>b - Brick G - Class T - Terrazzo</li> <li>BC - Bookcase M - Metal V - Vinyl</li> <li>CC - Carpet P - Plaster W - Wood</li> <li>CB - Concrete Block PR - Paper WP - Wood</li> <li>Paneling</li> <li>Rating Explanation</li> <li>Good Condition of surface shows no sign of damage. Continued</li> <li>condition,</li> </ul>	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.
<ul> <li>p - painted ABT - Asbestos Tile CK - Cork S - Stone</li> <li>g - glazeŭ AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound</li> <li>b - Brick G - Chass T - Terrazzo</li> <li>b - Bookcase M - Metal V - Vinyl</li> <li>c - Carpet P - Plaster W - Wood</li> <li>c - Concrete Block PR - Paper WP - Wood</li> <li>c - Modition (fundth):</li> <li>Rating Explanation</li> <li>Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this</li> <li>Fair Condition of surface lade</li> </ul>	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.
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p - painted ABT - Asbestos Tile       CK - Cork       S - Stone         g - glazed       AP - Acoustic Plaster CAT - 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       Explanation       Paneling         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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<ul> <li>p - painted ABT - Asbestos Tile CK - Cork S - Stone</li> <li>g - glazed AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound</li> <li>b - Brick G - Concrete Absorbing</li> <li>BC - Bookcase M - Metal V - Vinyl</li> <li>C - Carpet P - Plaster W - Wood</li> <li>CB - Concrete Block PR - Paper WP - Wood</li> <li>Paneling</li> <li>Rating Explanation</li> <li>Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this</li> <li>Fair Condition of surface indicates some damage. Small scals - cy-irs and corrective maintenance are necessary to retard deterioration of condition.</li> </ul>	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
<ul> <li>p- painted ABT - Asbestos Tile CK - Cork S - Stone</li> <li>g - glazeŭ AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound B - Brick CT - Concrete Absorbing BC - Bookcase M - Metal V - Vinyl CB - Concrete Block PR - Paper WP - Wood Paneling</li> <li>Rating Explanation</li> <li>Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this</li> <li>Fair Condition of surface indicates some damage. Small scals - eptirs and corrective maintenance are necessary to retard deterioration of condition.</li> </ul>	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
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<ul> <li>p - painted ABT - Asbestos Tile CK - Cork S - Stone</li> <li>g - glazed AP - Acoustic Plaster CRT - Ceramic Tile SA - Sound</li> <li>b - Brick G - Concrete Absorbing</li> <li>BC - Bookcase M - Metal V - Vinyl</li> <li>C - Carpet P - Plaster W - Wood</li> <li>CB - Concrete Block PR - Paper WP - Wood</li> <li>Paneling</li> <li>Rating Explanation</li> <li>Good Condition of surface shows no sign of damage. Continued preventive maintenance is sufficient to maintain this</li> <li>Fair Condition of surface indicates some damage. Small scals - cy-irs and corrective maintenance are necessary to retard deterioration of condition.</li> </ul>	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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	AREA		# of		WALI	S		FI	JOORS	· .	CEILIN	GS		LIC	HTING		
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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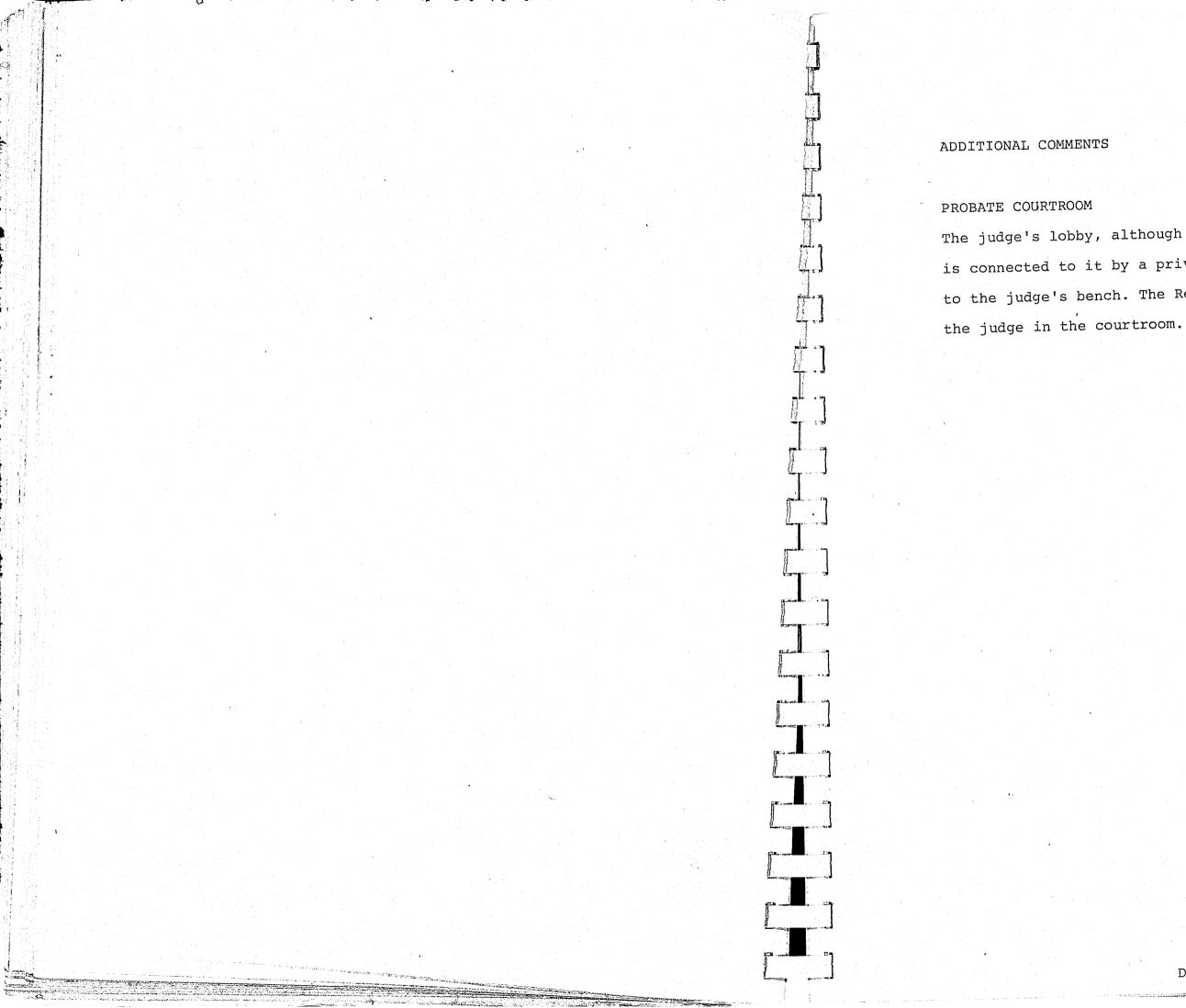


	JUDGE	Can the Judge see the e	Can the Judge hear the	Can the Judge hear the Is the Judge's lobby ad courtroom?	Is there a bathroom in	Is the Judge's lobby pr	Is the Judge's lobby se	JURY What size jury can the accomodate?	Approximately how far a public?	Approximately how far a litigants? Can the Jurors 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	
		fithank				River in	()				and want have a file					1					
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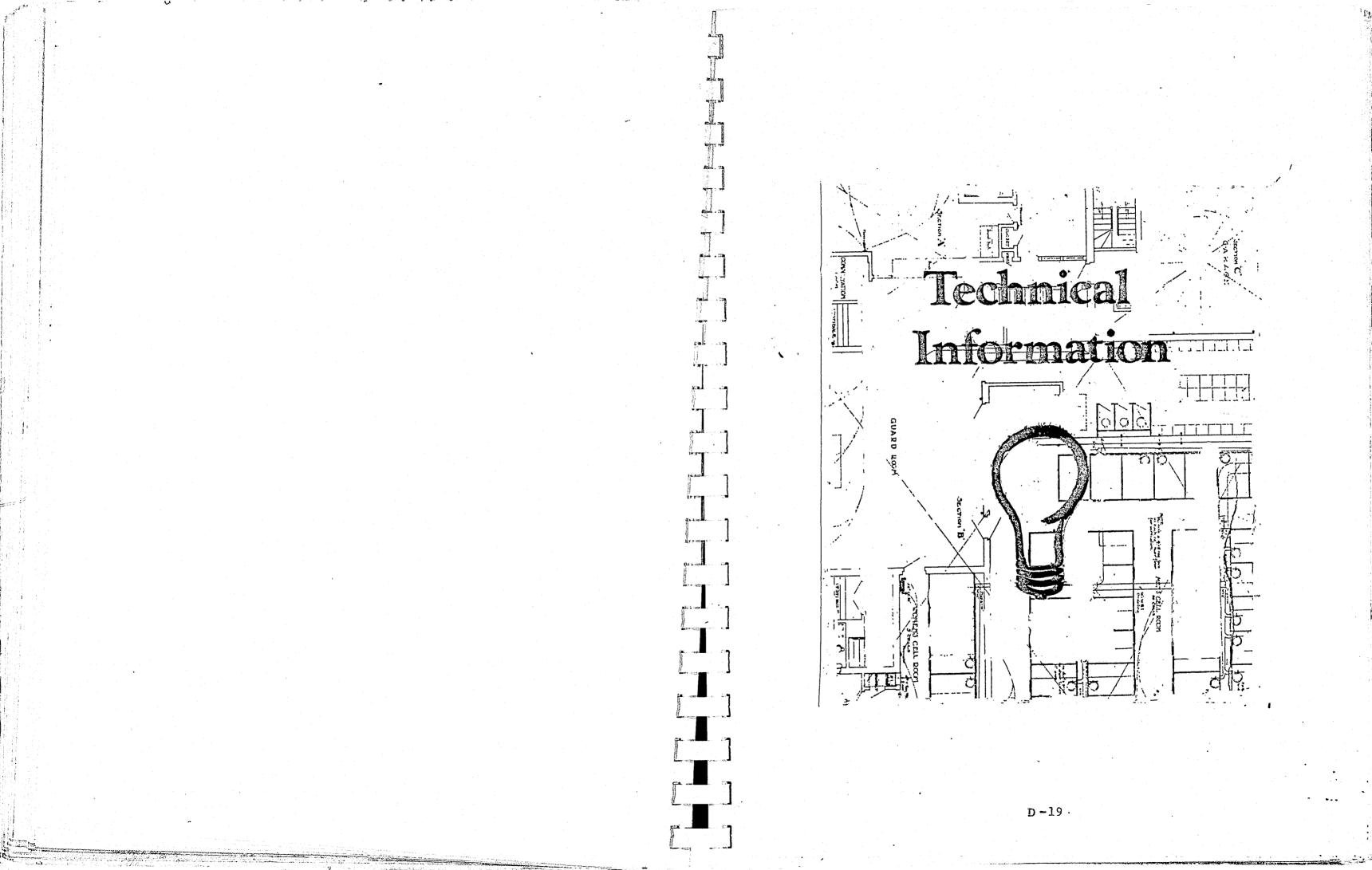
and the second			A DESCRIPTION OF THE OWNER OWNER
	Probate Court		
ire courtroom?	Yes		
tnesses clearly?	Yes		
torneys clearly?*	Yes		
cent to the	No		
e Judge's lobby?	Yes		
ate?	Yes		
re?	Yes		
urtroom	No jury		
jurors from		•	
jurors from			
ses at full			
dge at full face?		•	
osecutor &			
f Judge as		•	
neys clearly?*			
		•	
Attorneys?	Yes		
a microphone?	No	•	
у?			
dge clearly?	Yes		

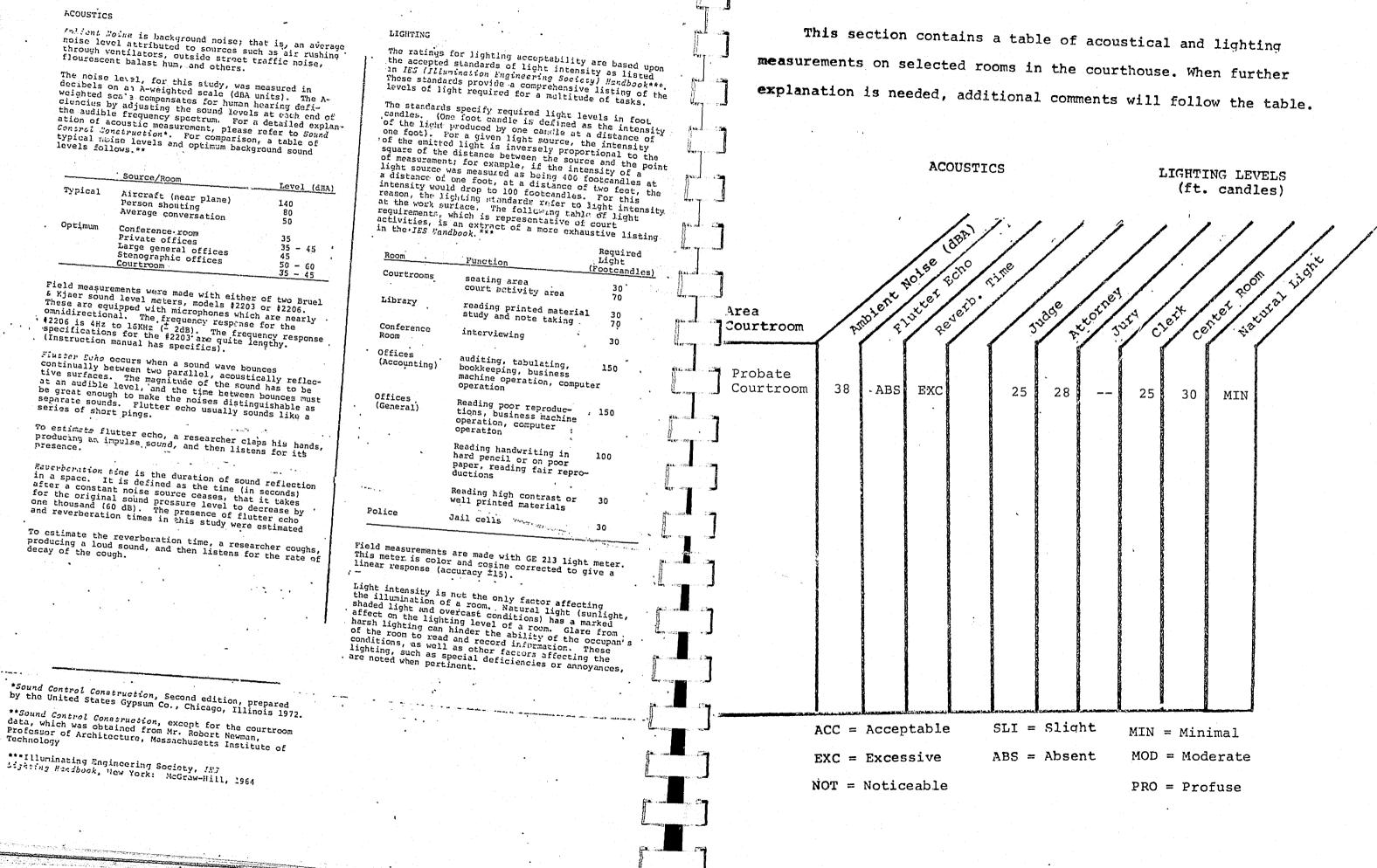
their usual locations

		•
	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	
		• *
17 17		

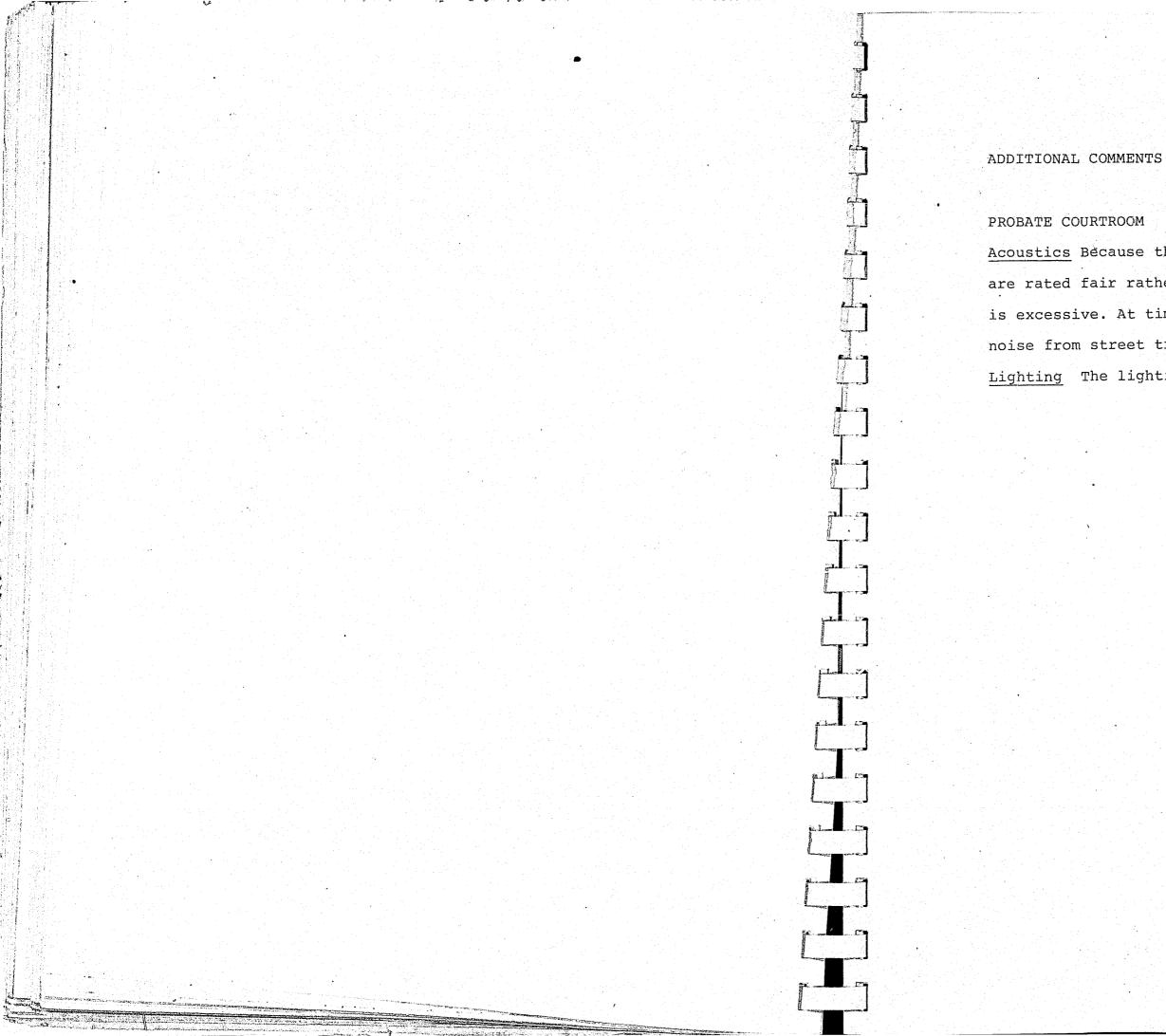


The judge's lobby, although not adjacent to the courtroom, is connected to it by a private staircase which leads to the judge's bench. The Register of Probate sits beside the judge in the courtroom.



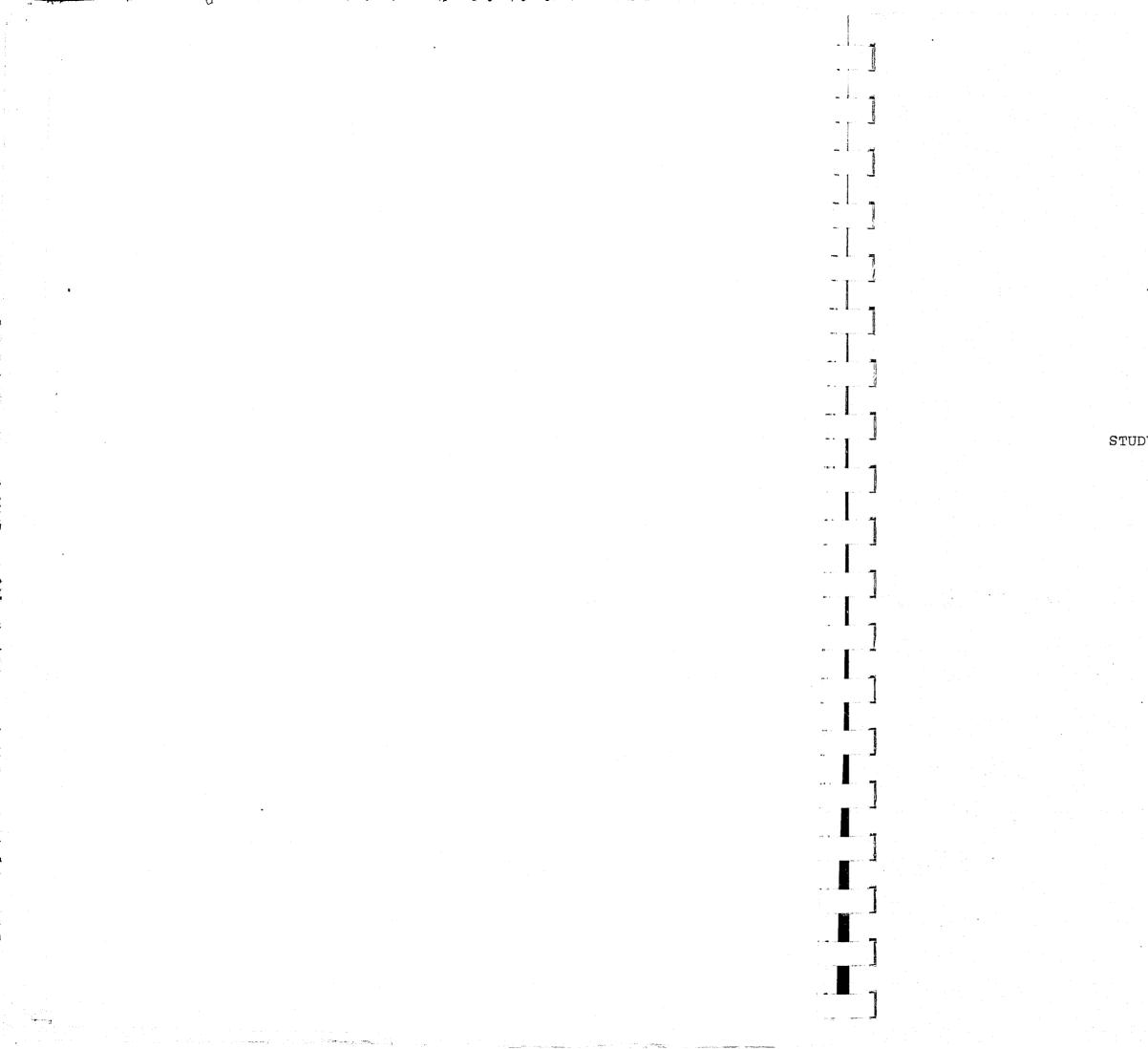


S. States



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.

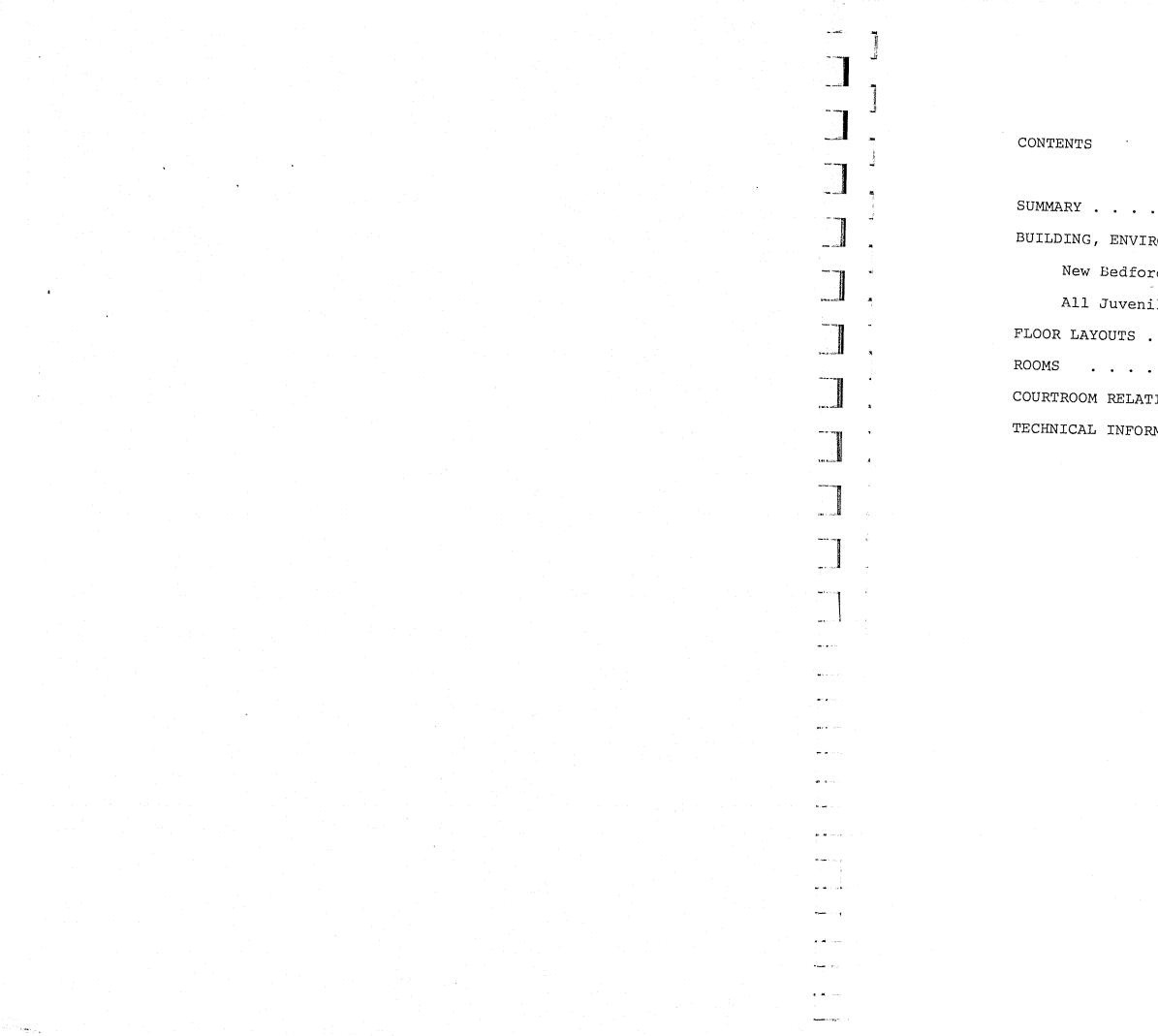
Lighting The lighting is poor for courtroom use



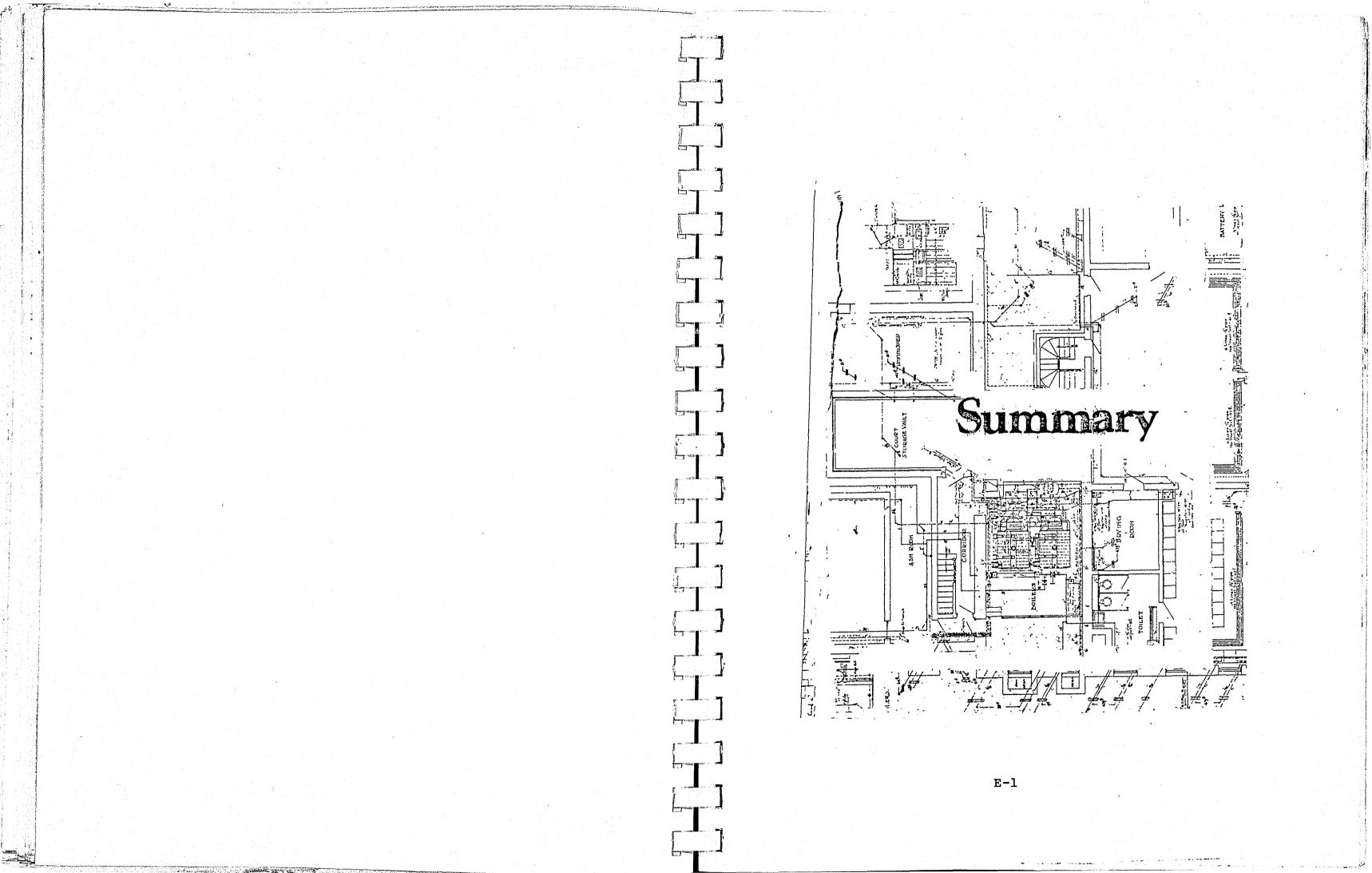
COURT FACILITIES

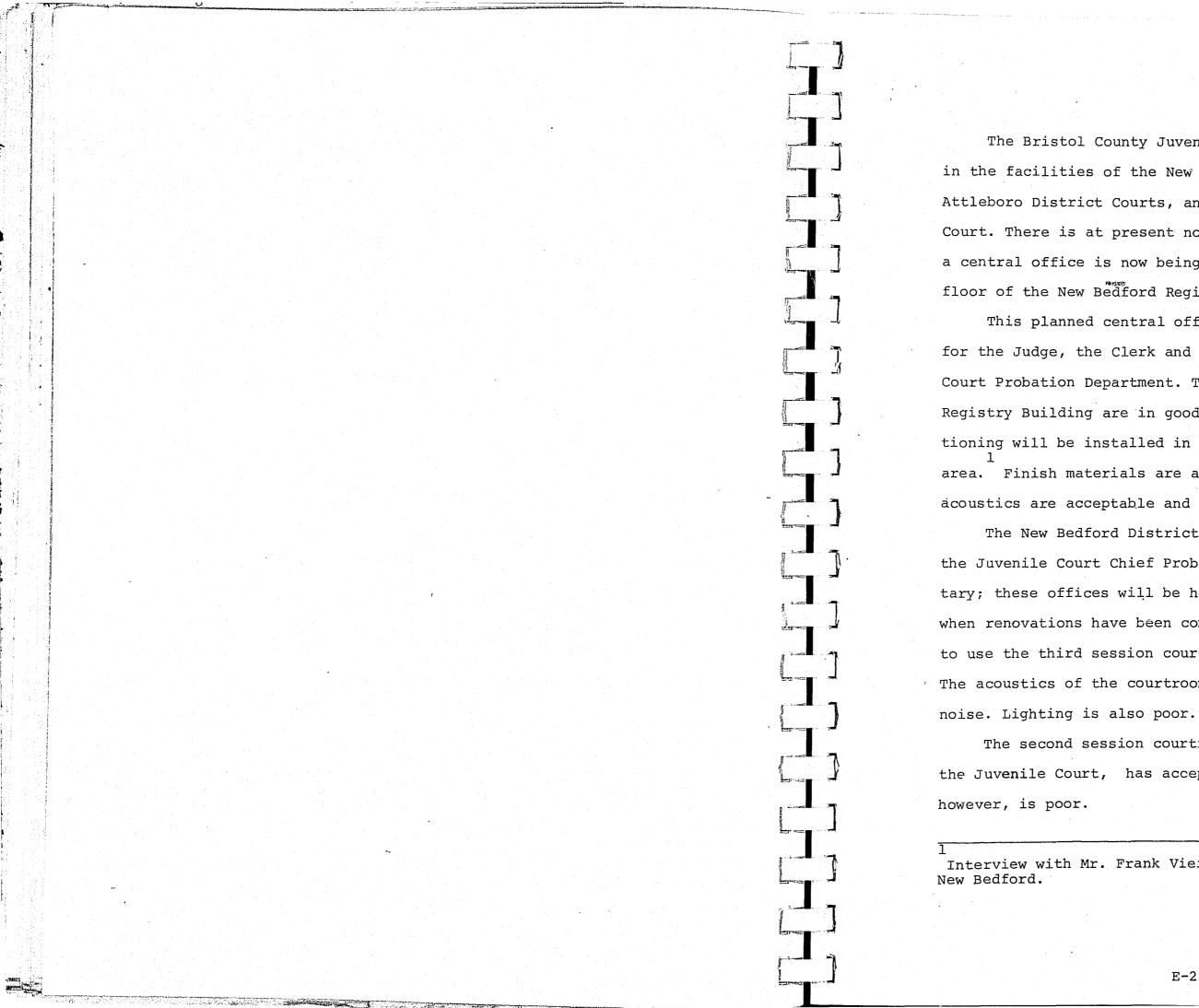
STUDY OF THE BRISTOL COUNTY JUVENILE

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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

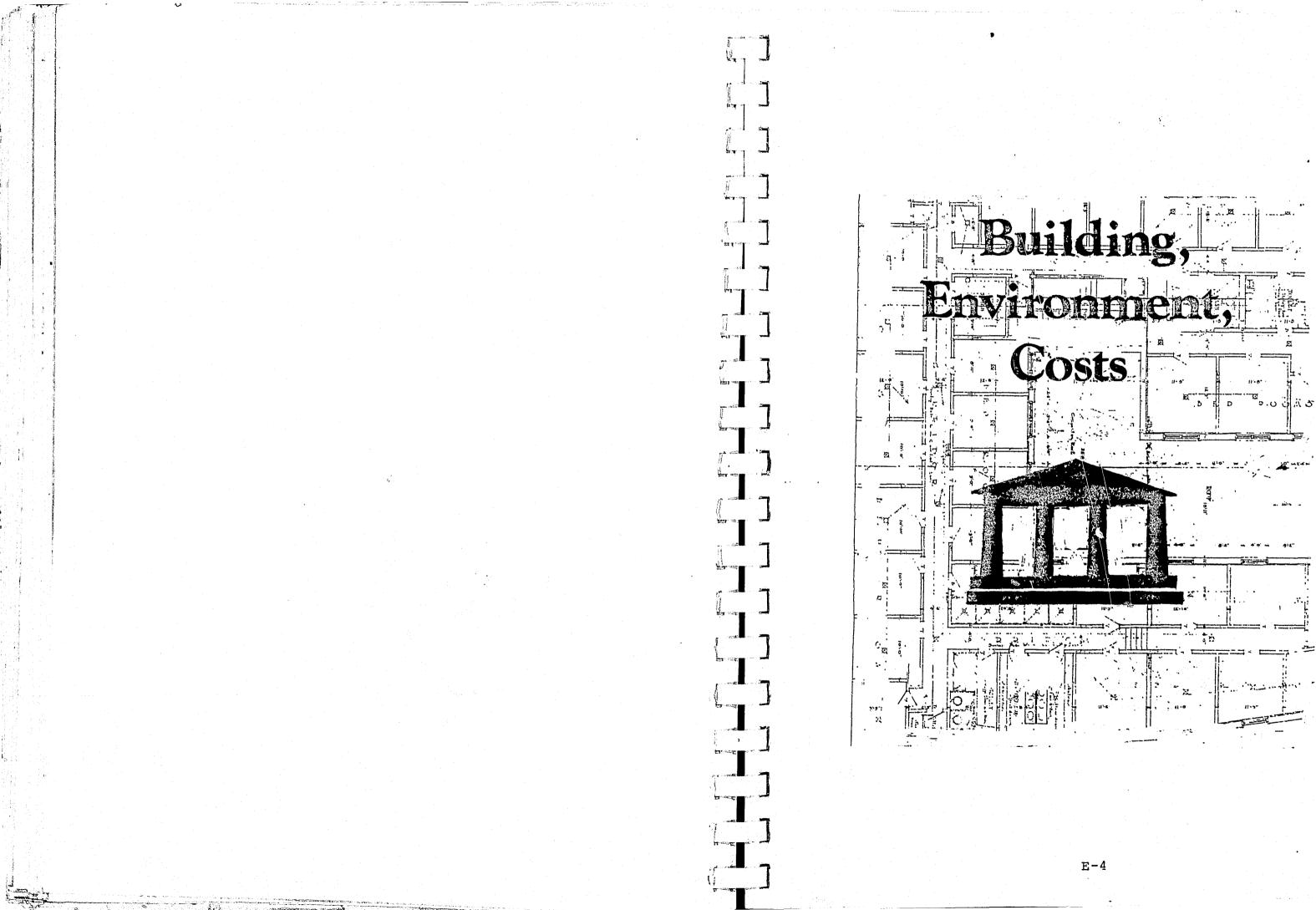
The second session courtroom in Fall River, used by the Juvenile Court, has acceptable acoustics. The lighting,

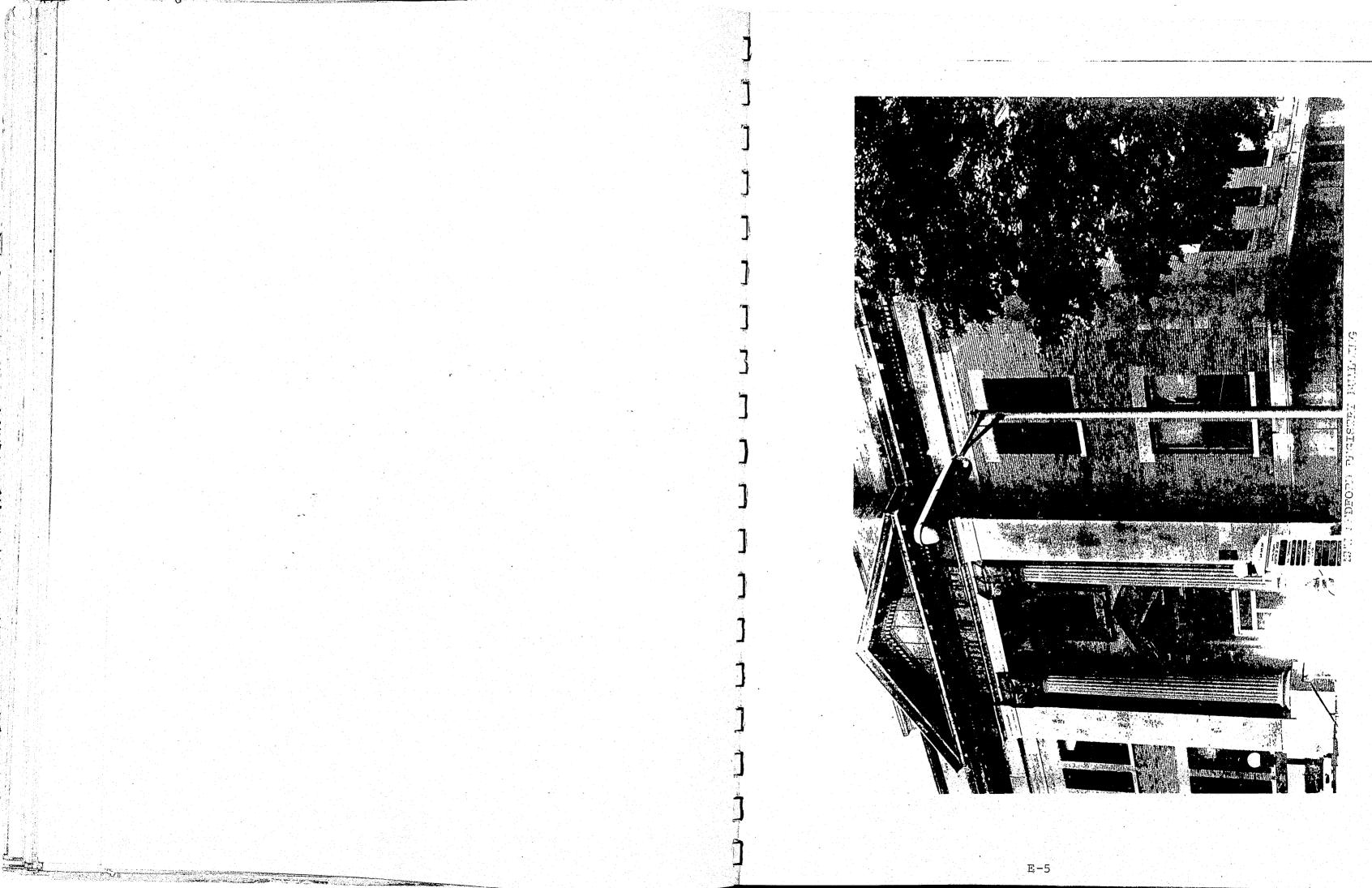
Interview with Mr. Frank Vieira, County Commissioner at

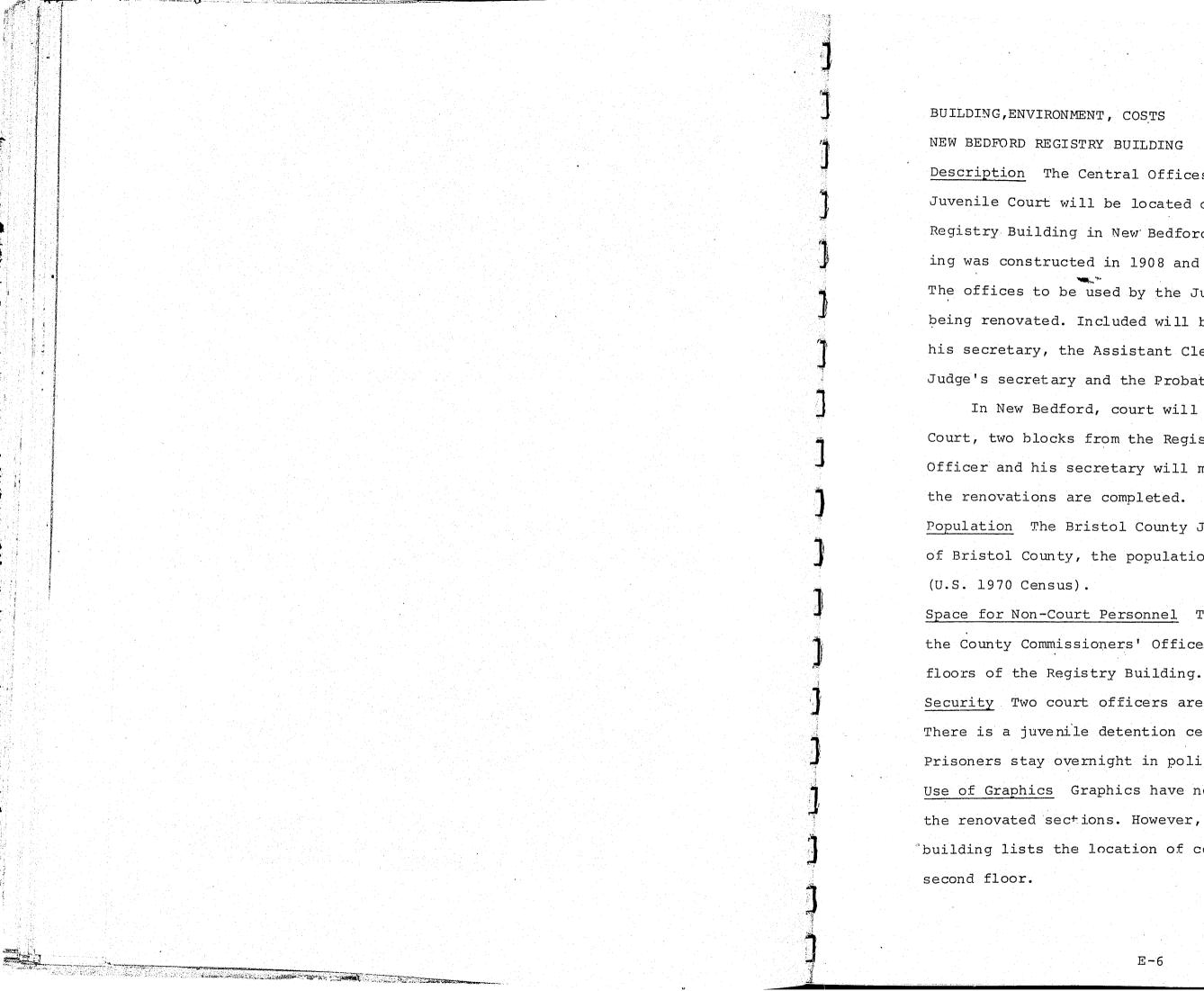
E-2

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

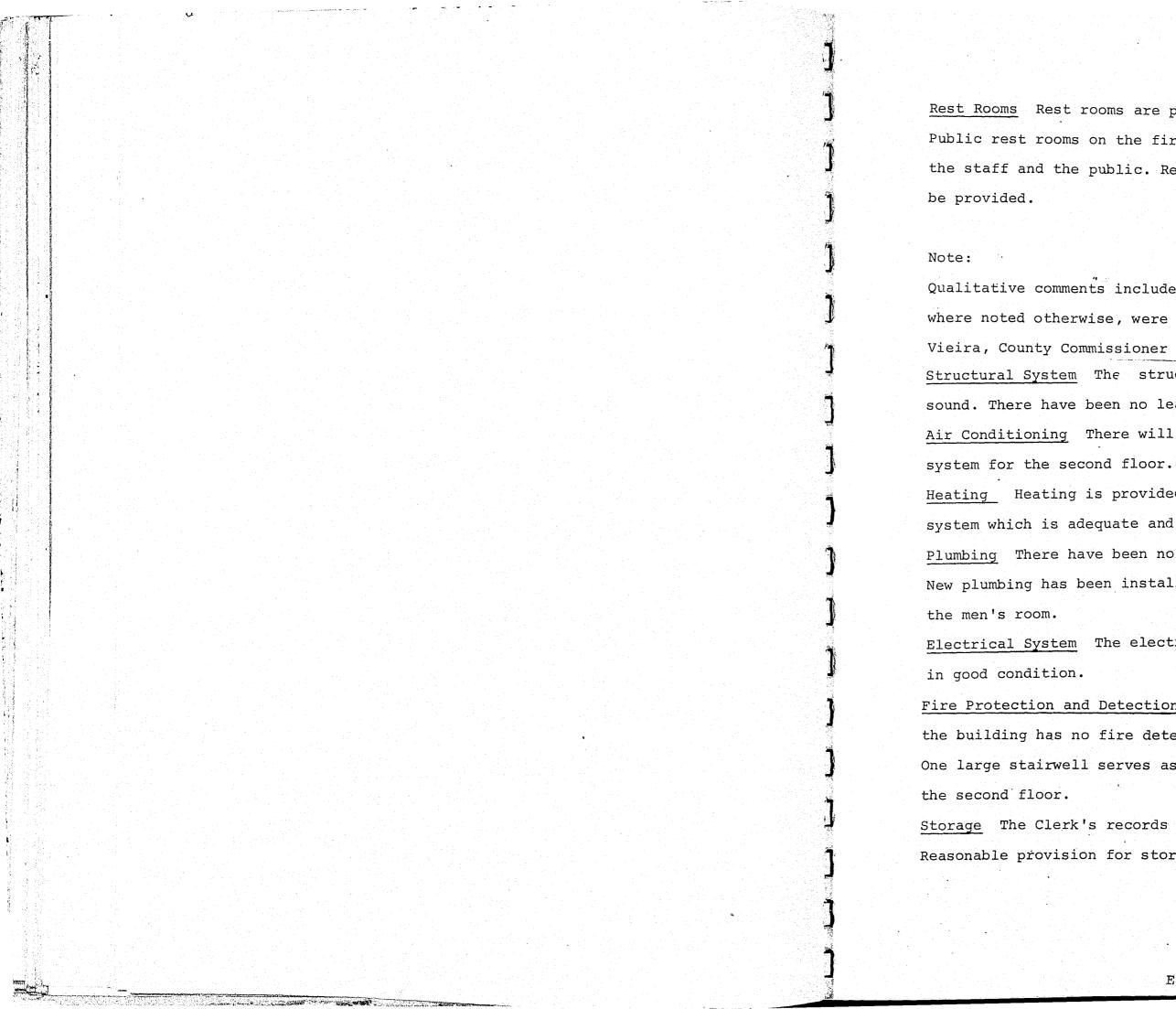
Population The Bristol County Juvenile Court serves all of Bristol County, the population of which is 444,301

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

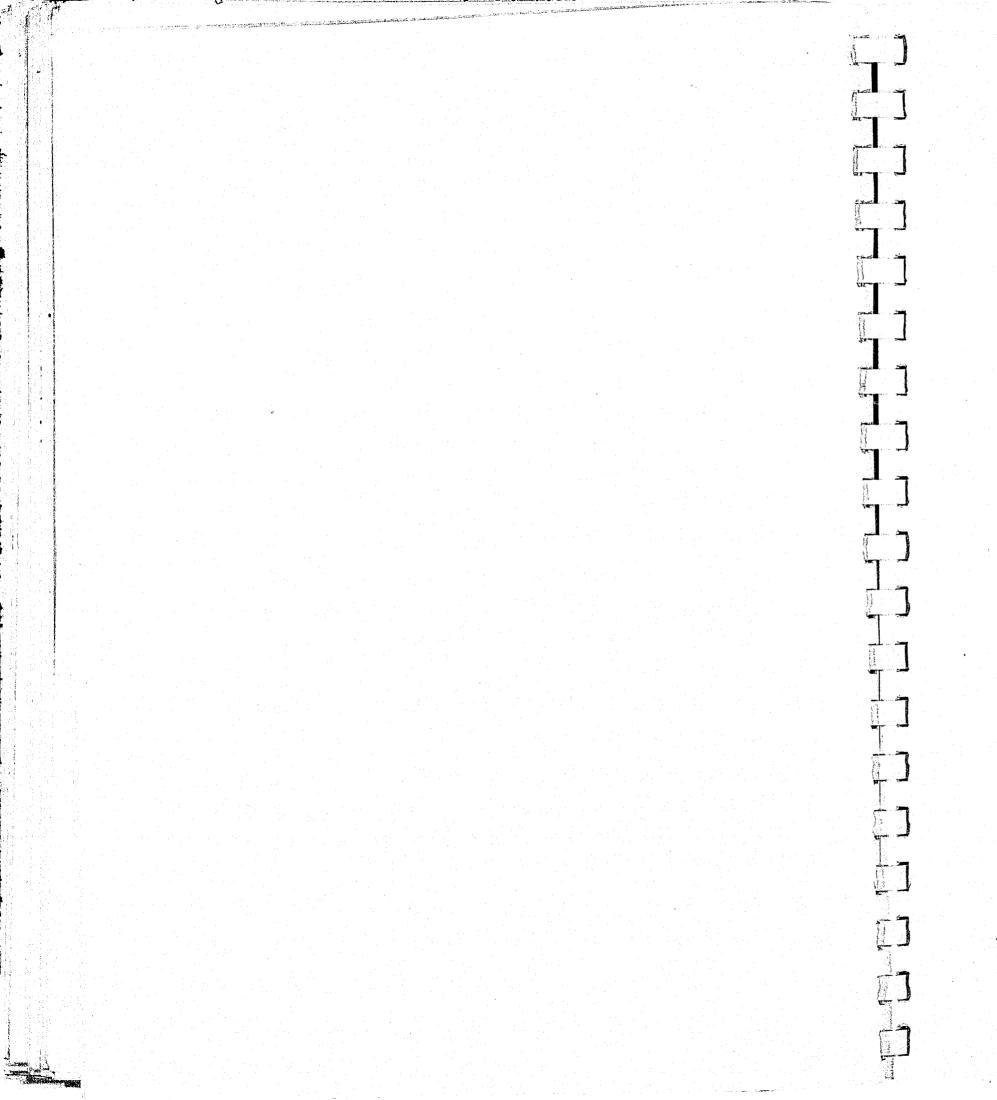
Heating Heating is provided by an oil-burning steam system which is adequate and in good condition. Plumbing There have been no major plumbing problems. New plumbing has been installed on the second floor in

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.

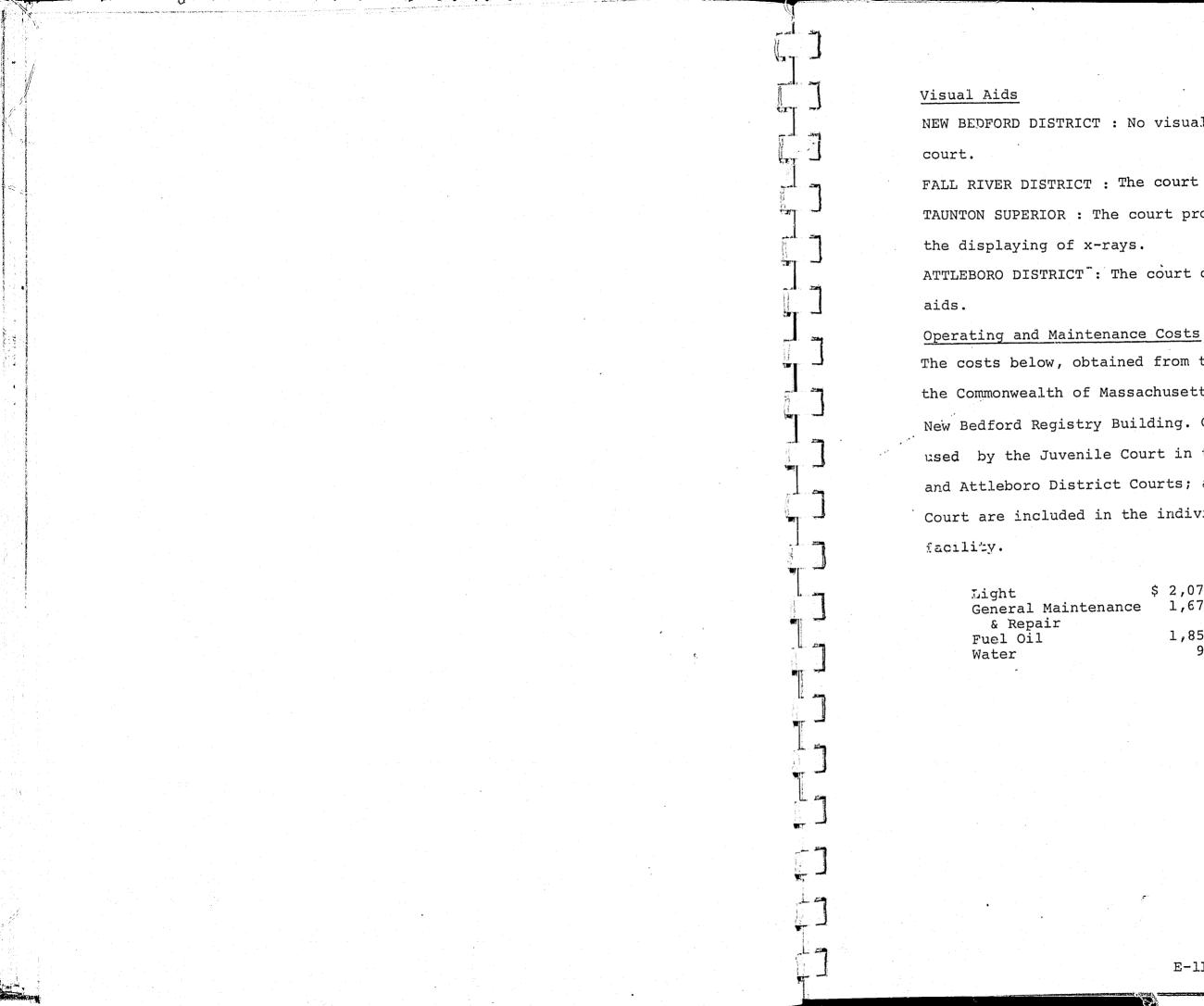
Tape Recording

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

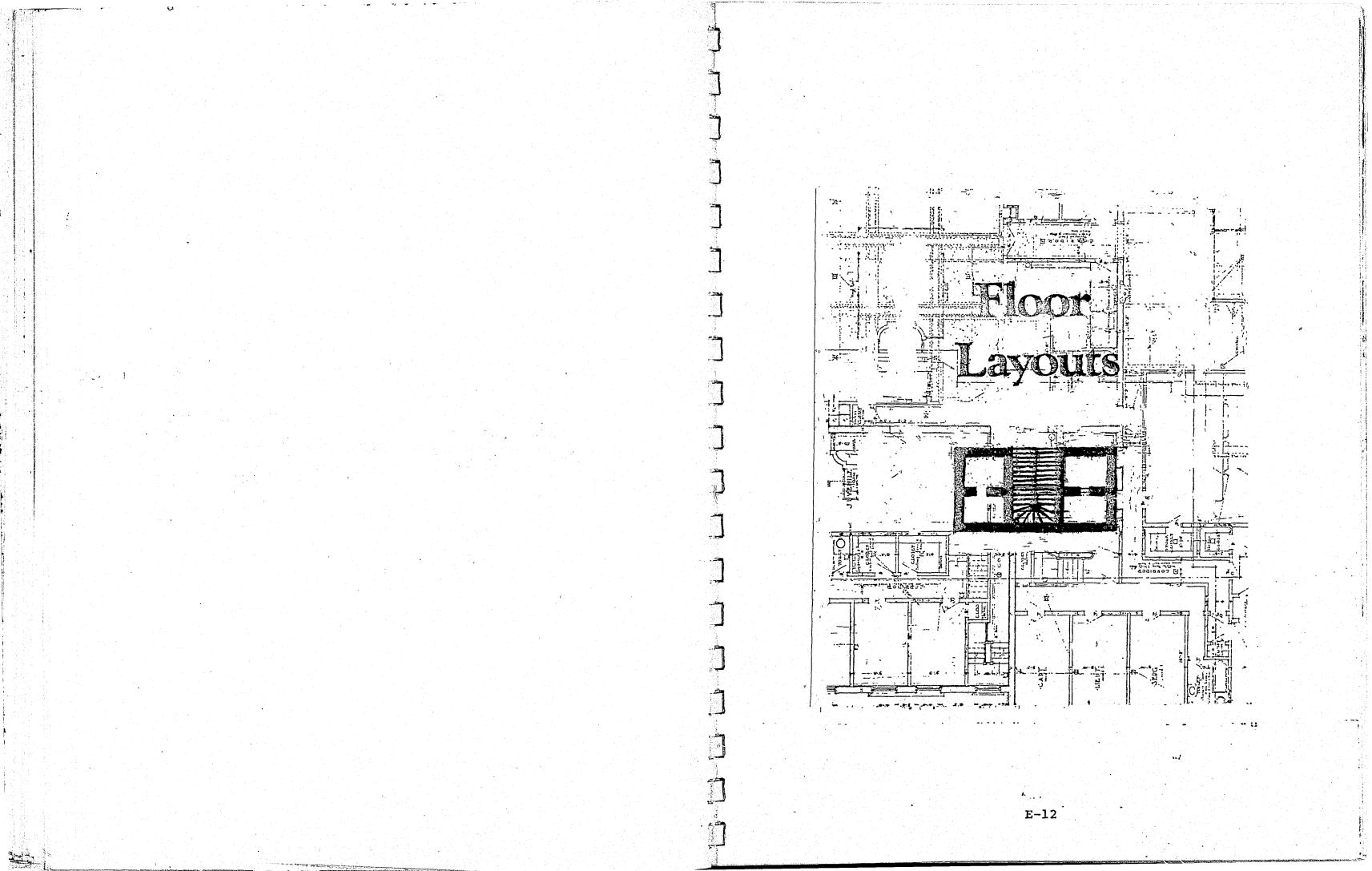
The costs below, obtained from the Bureau of Accounting of the Commonwealth of Massachusetts, are those for the entire New Bedford Registry Building. Costs for the facilities used by the Juvenile Court in the New Bedford, Fall River and Attleboro District Courts; and the Taunton Superior Court are included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

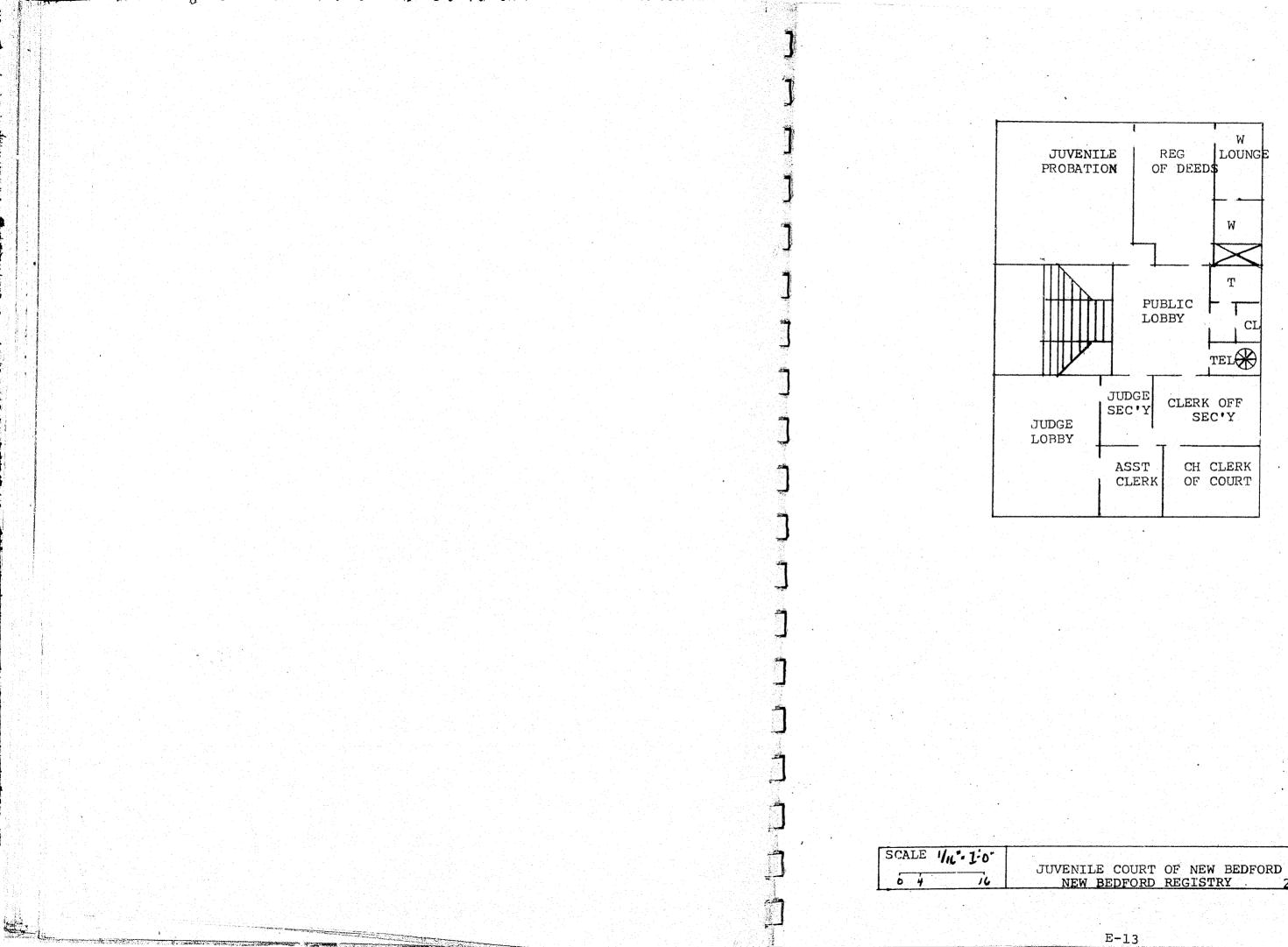
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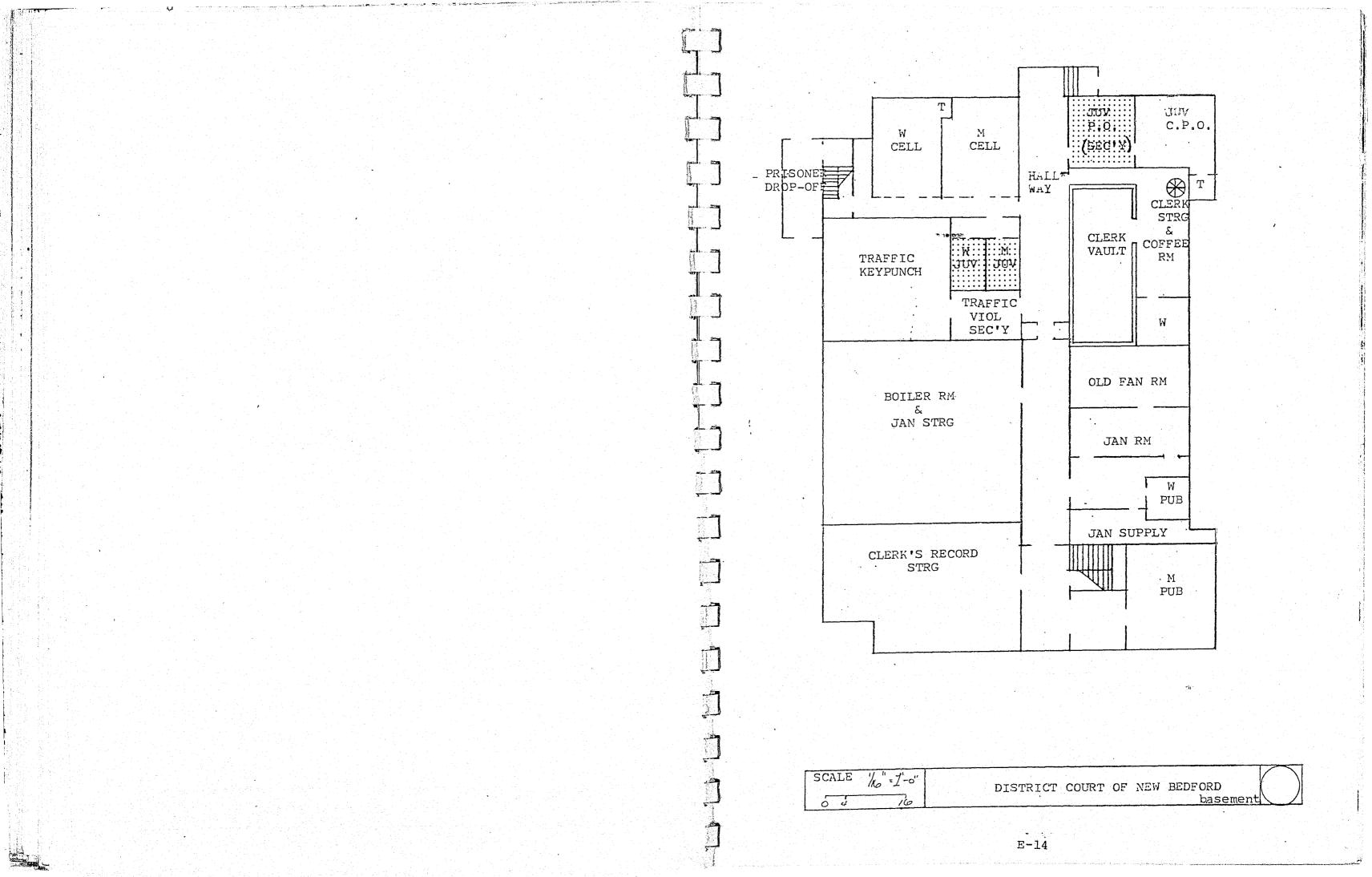
E-11

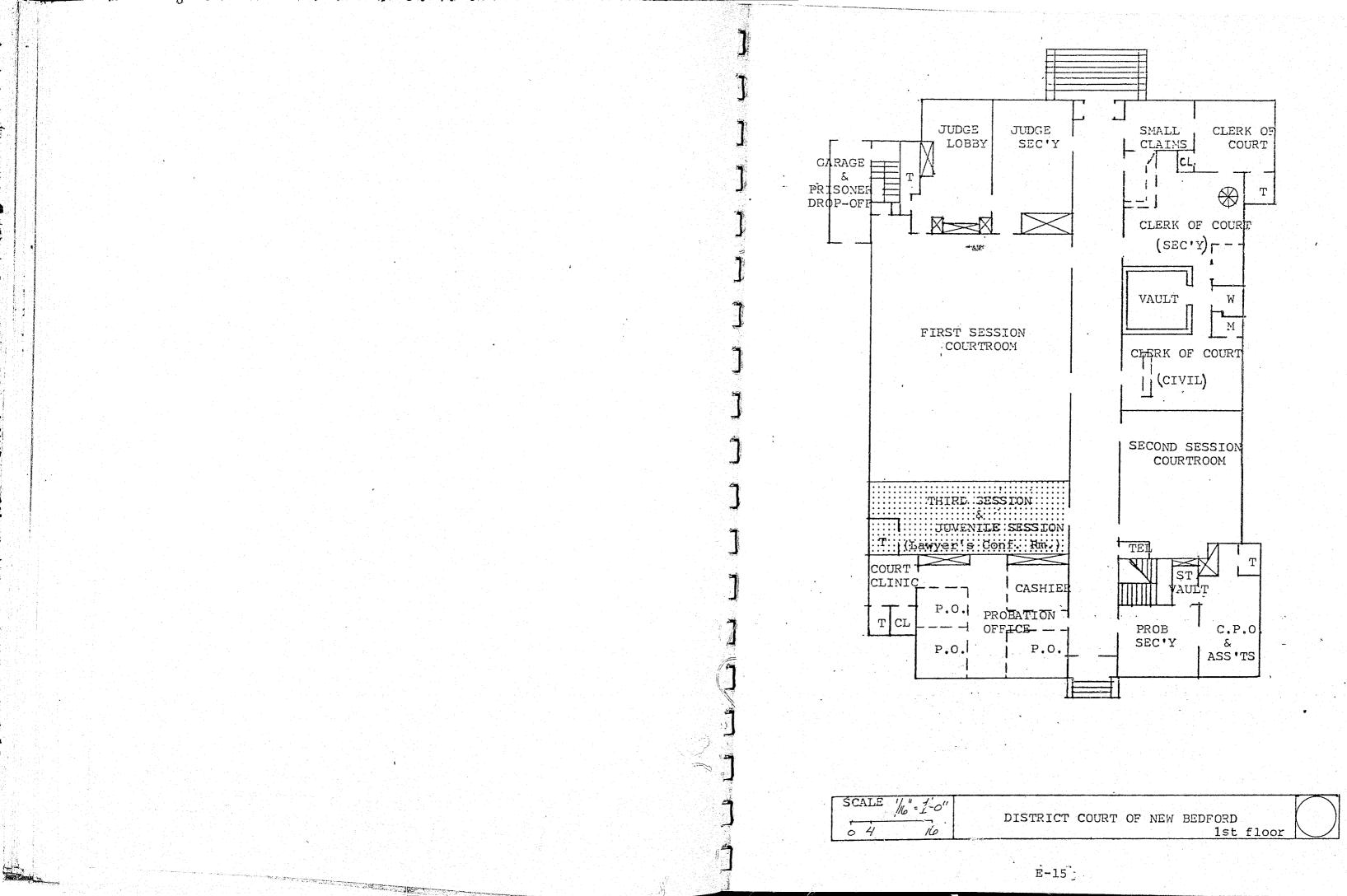
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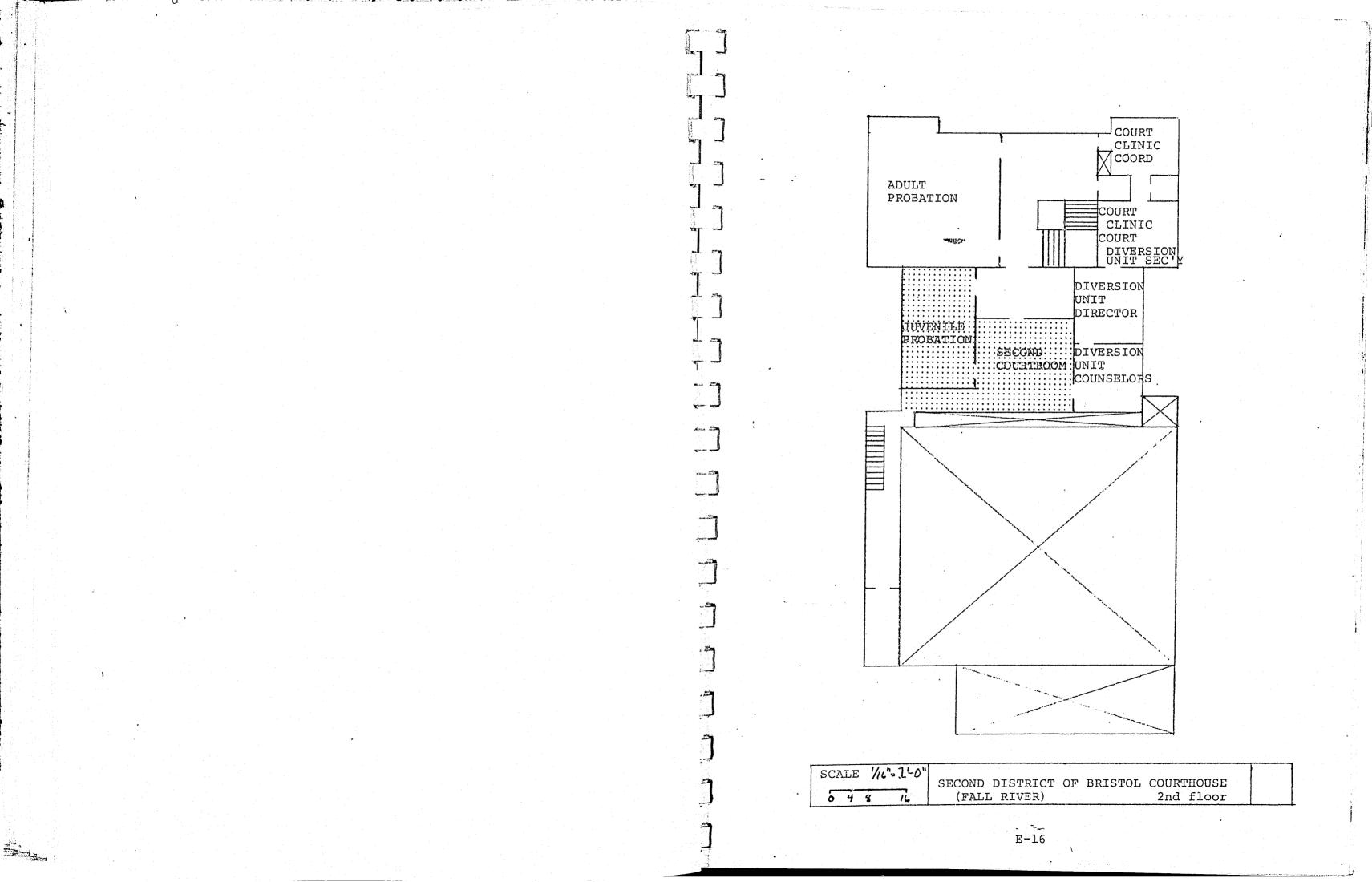


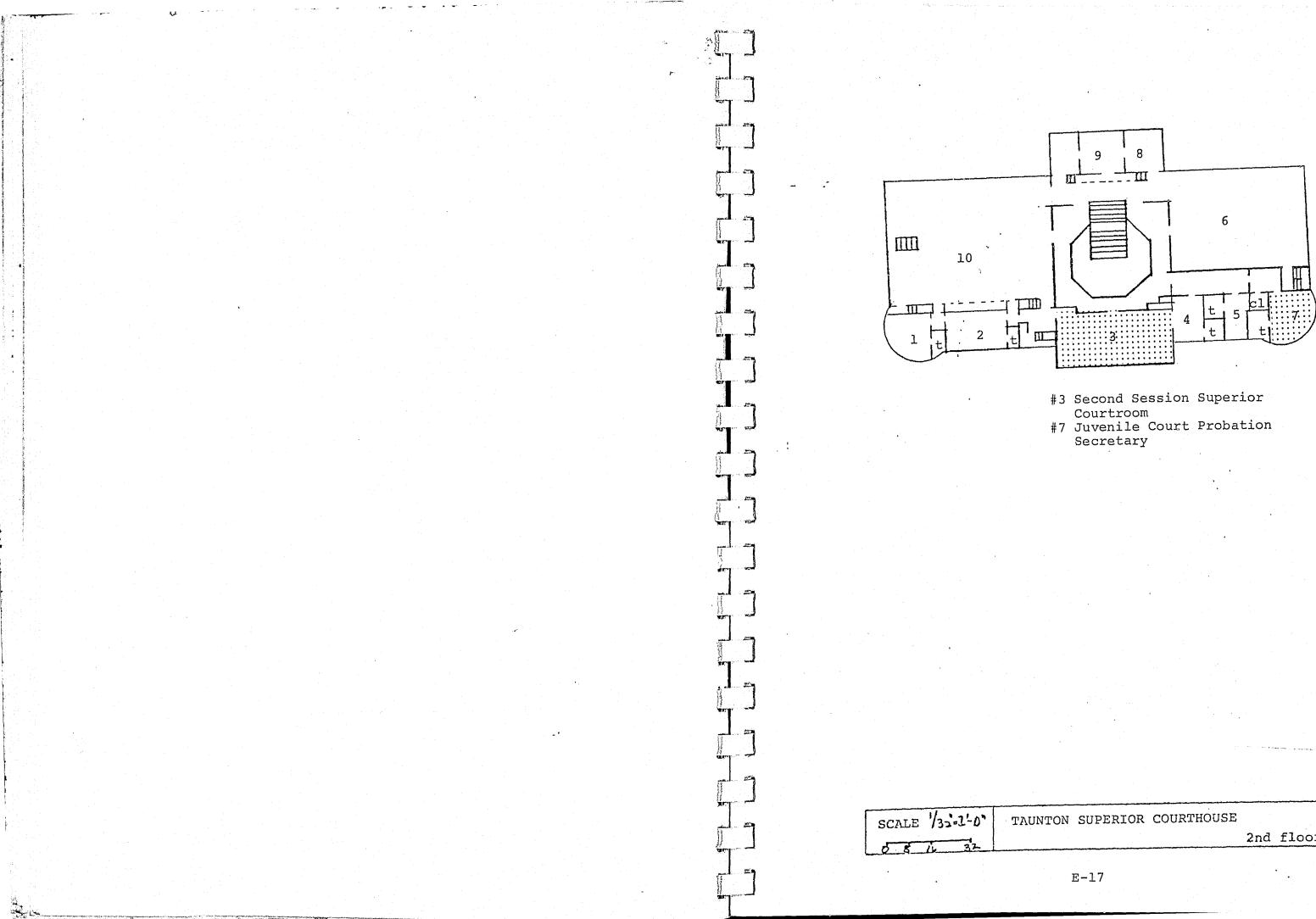


2nd floor



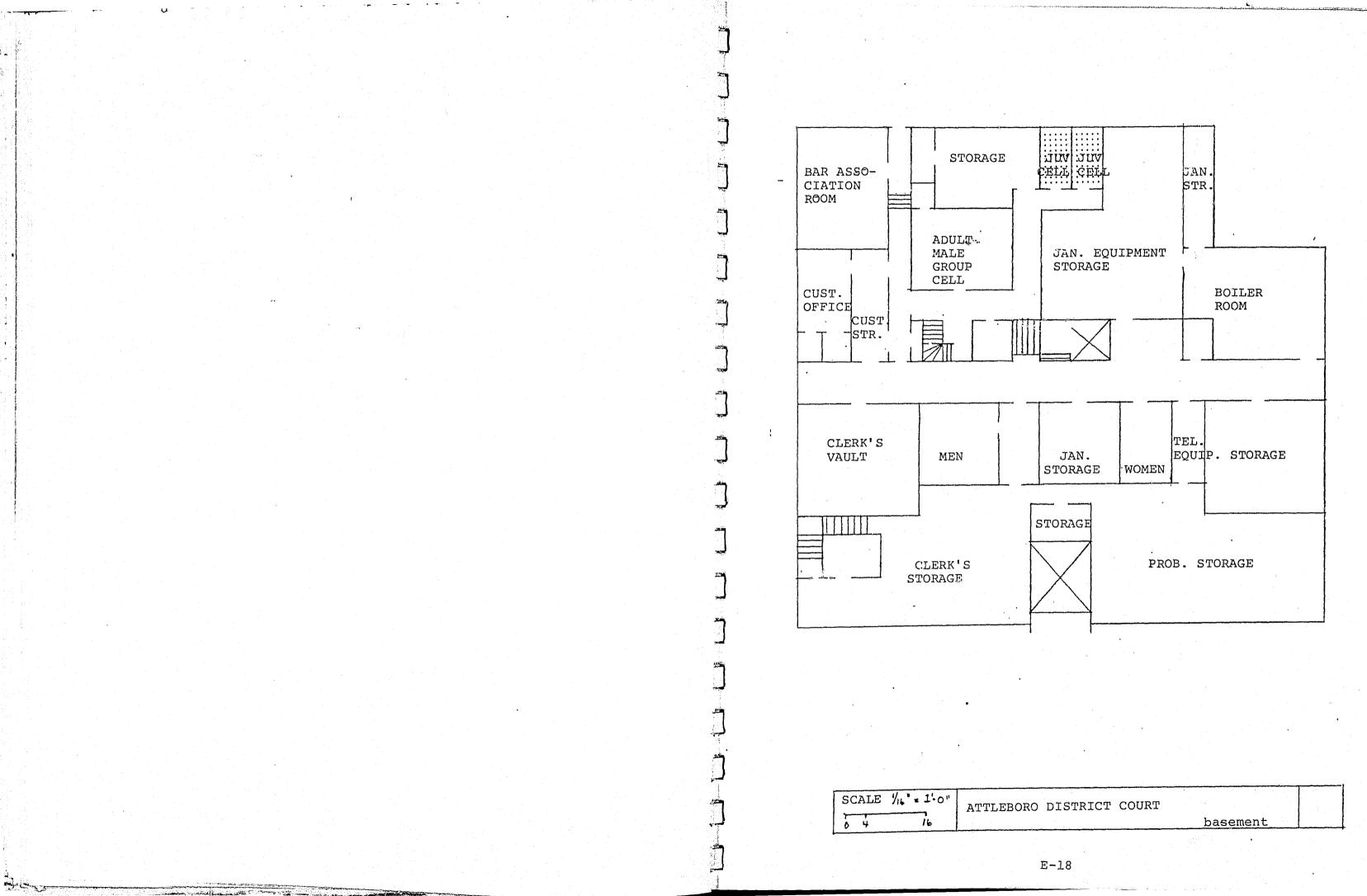


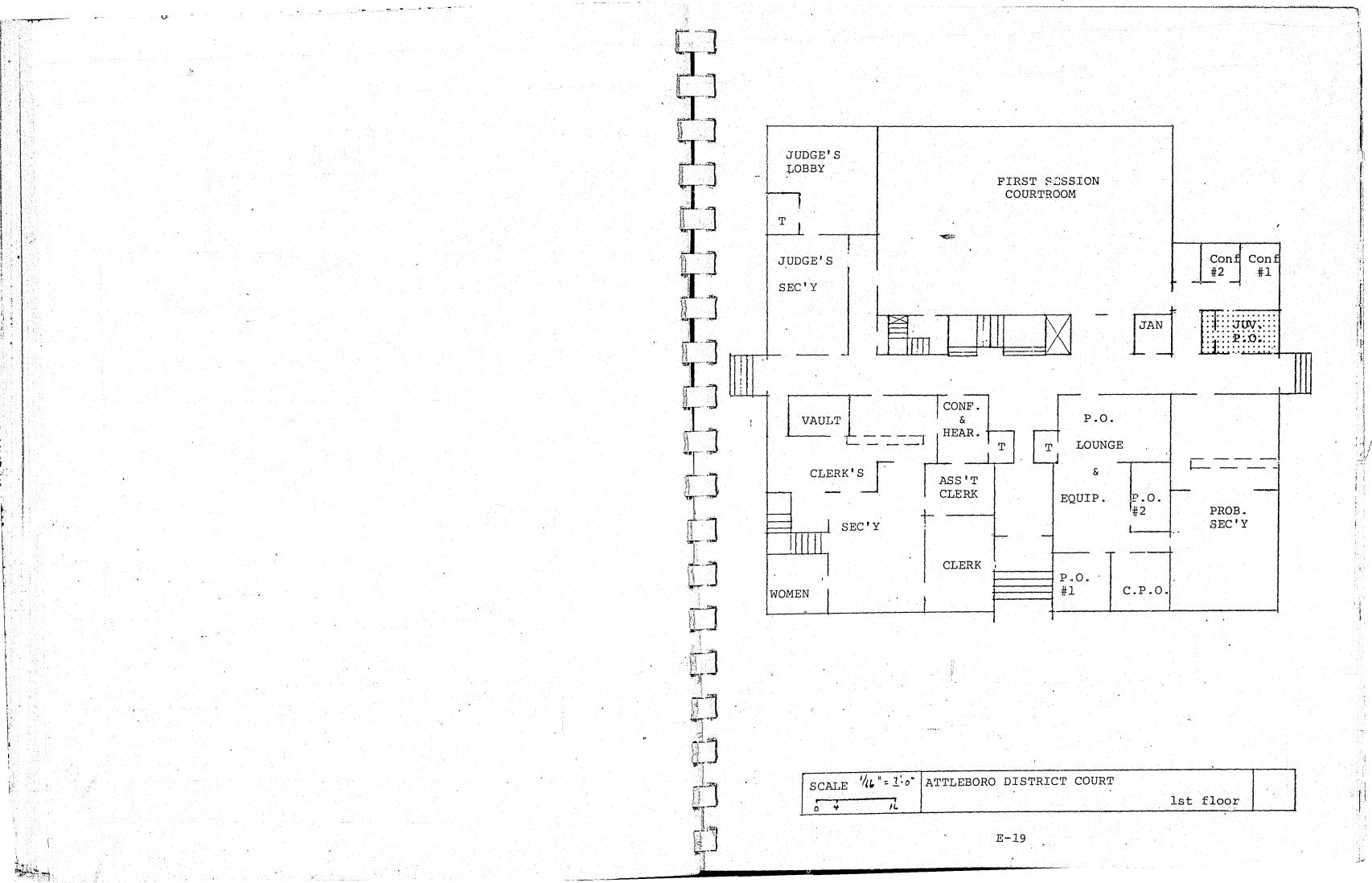


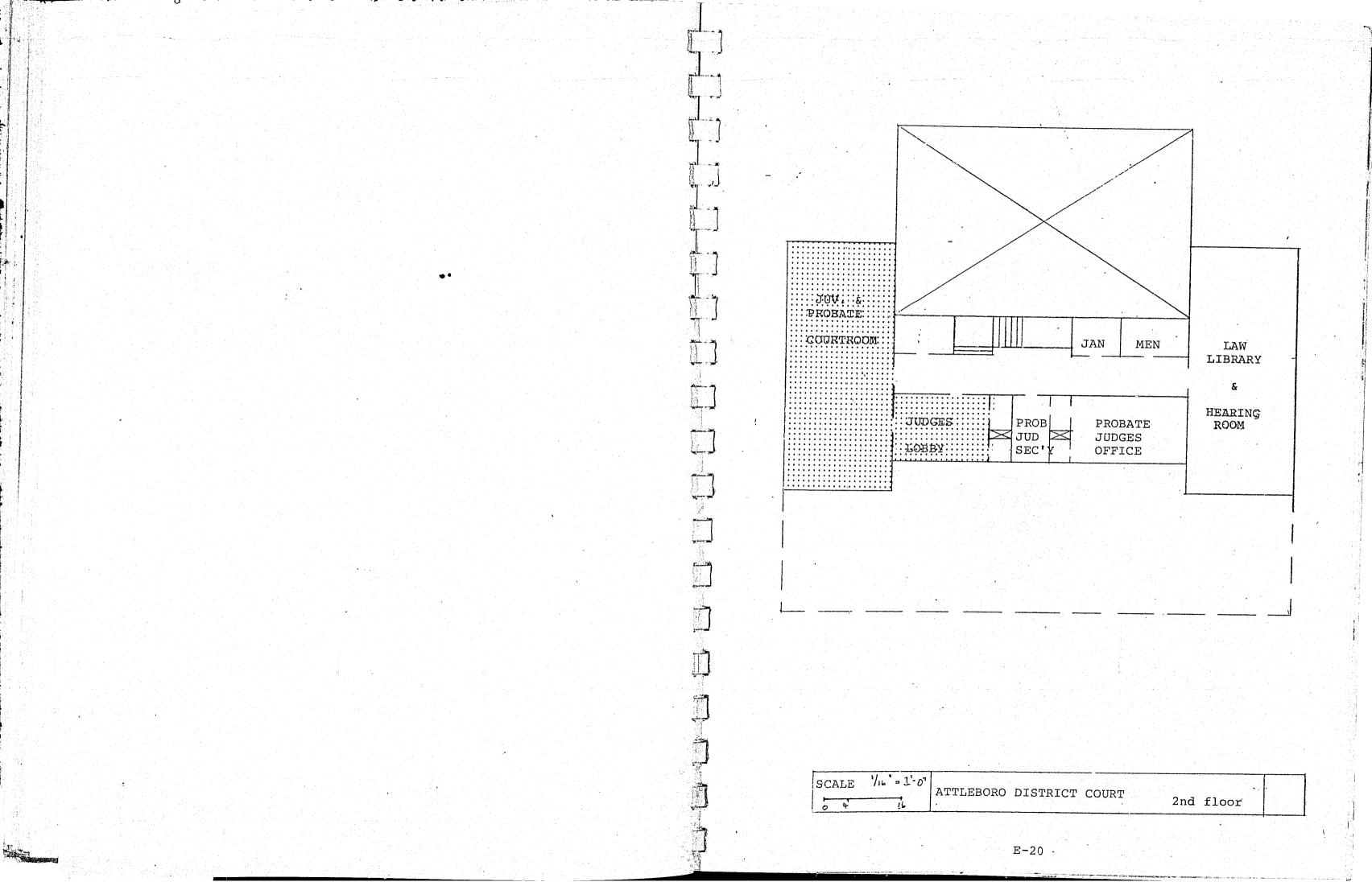


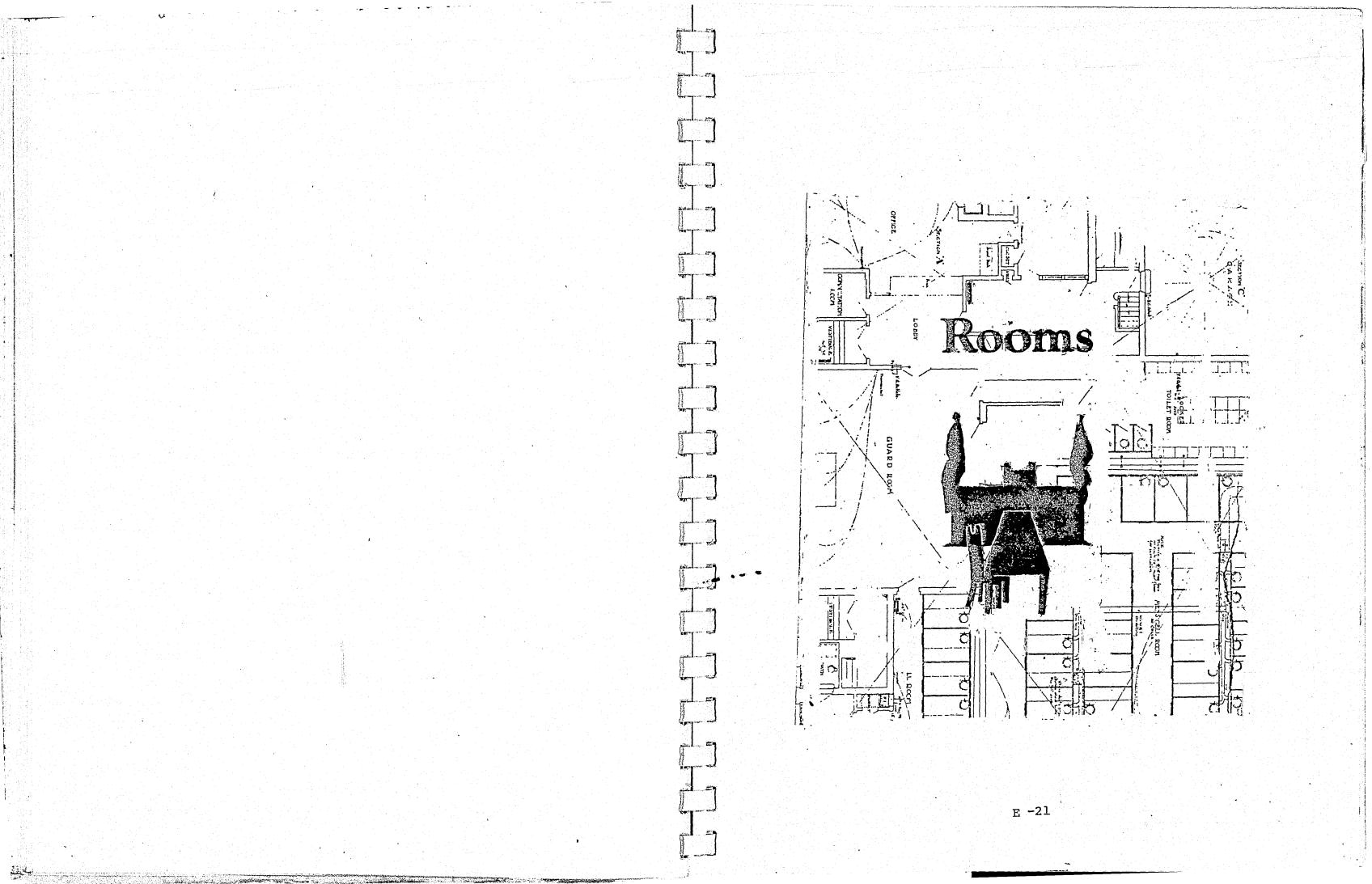
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					7	7
TAUNTON	SUPERIOR	COURTHOUSE				
			2nd	floor		
				المناهبين مترقيق فليا لتتهيهم والربي بستني		









# 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:
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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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 , 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): -

Erefizea - Godas

•		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	<b></b>	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																	
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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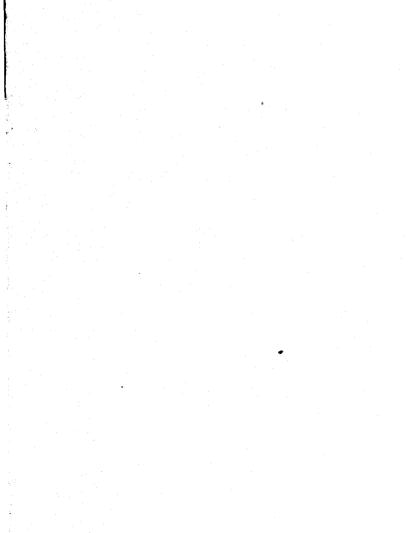
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	Criteria	Tons: A subjective evaluation of the color tone of the room based on the following rating scale:
<ul> <li>Indiana for the second s</li></ul>	rooms, libraries, lounges and detention Sacilities are surveyed for	bright and CheerfulDrab and Austere54321
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.	
<ul> <li>AREA Total floor area including work space, circulation space, and storage in guare feet.</li> <li>ARCESS The degree to which public entry into a room is restricted.</li> <li>Symbol Explanation</li> <li>Pub Public: Access is unrestricted to general public.</li> <li>Prv Frivate: Access is restricted by guard, receptionist, or looked doors.</li> <li>NUMBER OF USERS the estimated seating capacity of a room for users and spectators, based upon current furnishing.</li> <li>Public: Access is restricted by guard, receptionist, or looked doors.</li> <li>NUMBER OF USERS the estimated seating capacity of a room for users and spectators, based upon current furnishing.</li> <li>Prinsing further are accessed upon current furnishing.</li> <li>Prinsing further are accessed upon current furnishing.</li> <li>Prisfirsd Coles</li> <li>P - plainted ART - Ashestos Tile CX - Cork S - Store G - Glass T - Concrete Assorbing S - Store G - Glass T - Concrete Assorbing S - Store G - Garget P - Plainter W - Wood CB - Concrete P - Plainter W - Wood CB - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood CG - Concrete Block FR - Paper W - Wood C</li></ul>		, upon measurements of ambient noise level (dbA), and upon reverberan
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Prv       Private: Access is partially restricted by means of doors, counters, or graphics.       Un NR       Un acceptable: soth Un N and Un R         Sec       Secure: Access is restricted by guard, receptionist, or locked doors.       Item NR       Un NR       Un acceptable: soth Un N and Un R         NUMBER OF USERS The estimated seating capacity of a room for users and spectators, based upon current furnishing.       Item NR       Un NR       Un acceptable: soth Un N and Un R         Prv ISER The estimated seating capacity of a room for users and spectators, based upon current furnishing.       Item NR       Un NR       Un acceptable: soth Un N and Un R         Private: Access is restricted by guard, receptionist, or locked doors.       Item NR       Un NR       Un NR       Un acceptable: soth Un N and Un R         NUMBER OF USERS The estimated seating capacity of a room for users and spectators, based upon comparisons between the measured light levels (In the room accepted standards of light requirements footandles) and the accepted standards of light requirements footandles) and the accepted standards.       I = Incandescent       I/F = Combination incandescent/         P = painted ABT - Acoustic Flisser CKF - Ceramic Tile SA - Sound B = Brick G = Glass T = Terrazzo B = Concerte Block P = Plaster N = Wood B = Concerte N = Wood C = Gondrift Block P = Paper M = Wood Preventive maintenance is sufficient to maintain this condition of surface shows no sign of dam/ge. Continued preventive maintenance is sufficient to maintain this condition of surface indicates source damage. Small scale corrective mainteamed are precessary to reteareat       N No ai		
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	<ul> <li>Level: Ratings of the acceptability of light in the room are</li> <li>based upon comparisons between the measured light levels (in footcandles) and the accepted standards of light requirements</li> </ul>
<ul> <li>g - glazed AP - Acoustic Flaster CRT - Ceramic Tile SA - Sound</li> <li>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):</li> <li>Rating Explanation Surface shows no sign of dam/ge. Continued preventive maintenance is sufficient to maintain this condition.</li> <li>Fair Condition of surface indicates some damage. Small scals - ep-irs and corrective maintenance are necessary to retard deterioration of condition.</li> <li>Poor Condition of surface indicates severe damage. Large scale corrective maintenance is preventive maintenance are necessary to retard deterioration of condition.</li> <li>Poor Condition of surface indicates severe damage. Large</li> <li>Poor Condition of surface indicates severe damage. Large</li> <li>Seals - coptive maintenance is preventive maintenance are necessary to retard deterioration of condition.</li> <li>Poor Condition of surface indicates severe damage. Large</li> <li>Suphon Suphon Surface indicates severe damage. Large</li> <li>Suphon Suphon /li></ul>	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	
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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	
<ul> <li>Condition of surface indicates some damage. Small</li> <li>Fair Condition of surface indicates some damage. Small</li> <li>Fair Condition of surface indicates some damage. Small</li> <li>R Room air-conditioning units</li> <li>(n)W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W.</li> </ul>	Rating Explanation	Symbol Explanation
condition.       W       Window air conditioning units.         Fair       Condition of surface indicates some damage. Small scals reprint 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 pecessary to prevent       (n)W       Indicates multiple window units, (e.g., 3 window units would be entered as (3)W.		
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	
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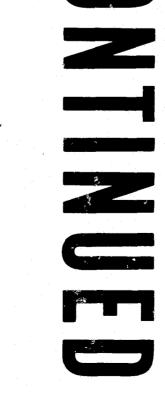
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Reference - Commence

CJ





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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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

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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
Cheditian (C.	andth1.					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 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.

	E	right and Cheerful Drab and Austere
•		5 4 3 2 1
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.
<ul> <li>upc</li> </ul>	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.

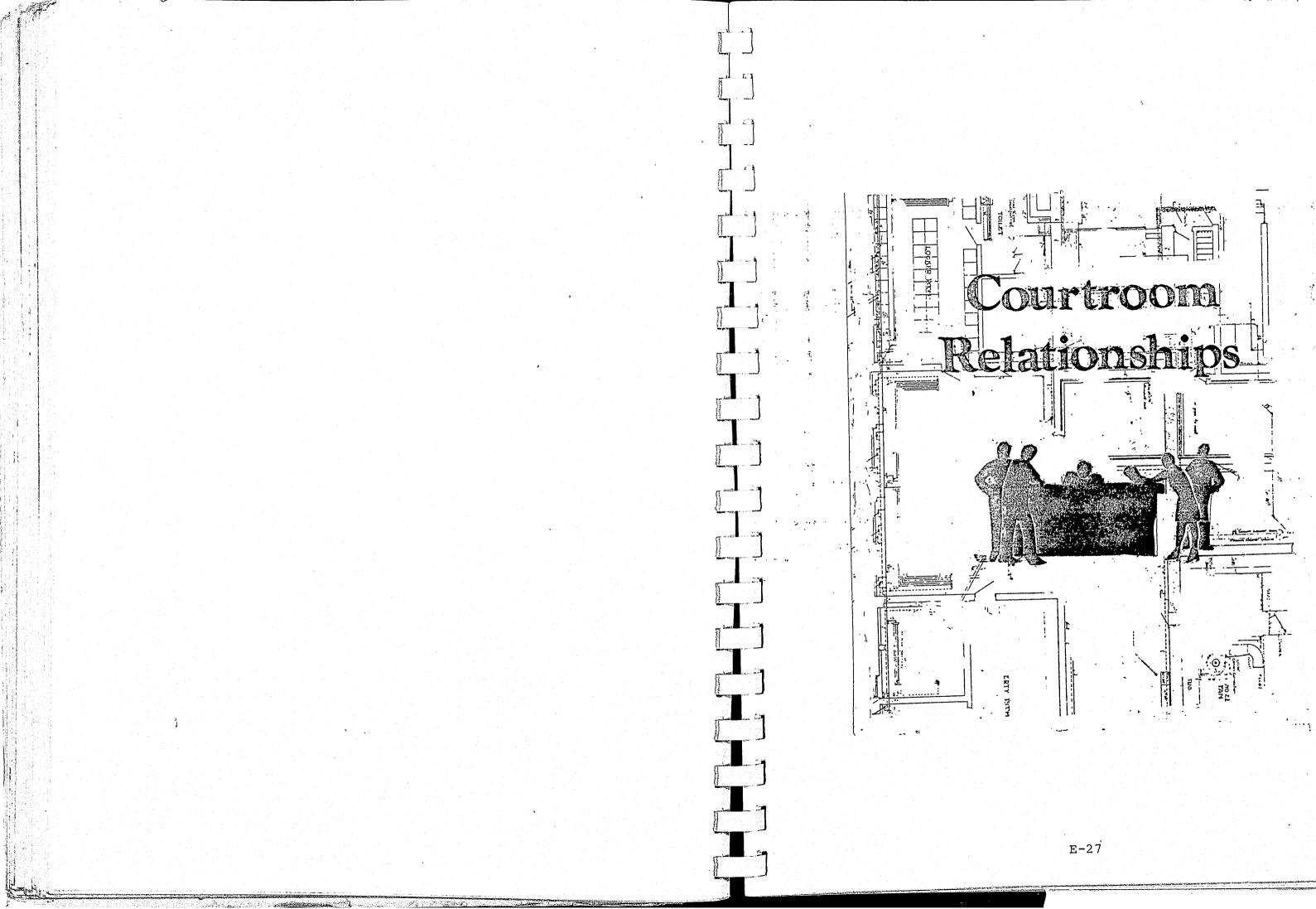
- W Window air conditioning units.
  - Room air-conditioning units
- Indicates multiple window units, (e.g., 3 window units would be entered as (3)W. (n)W

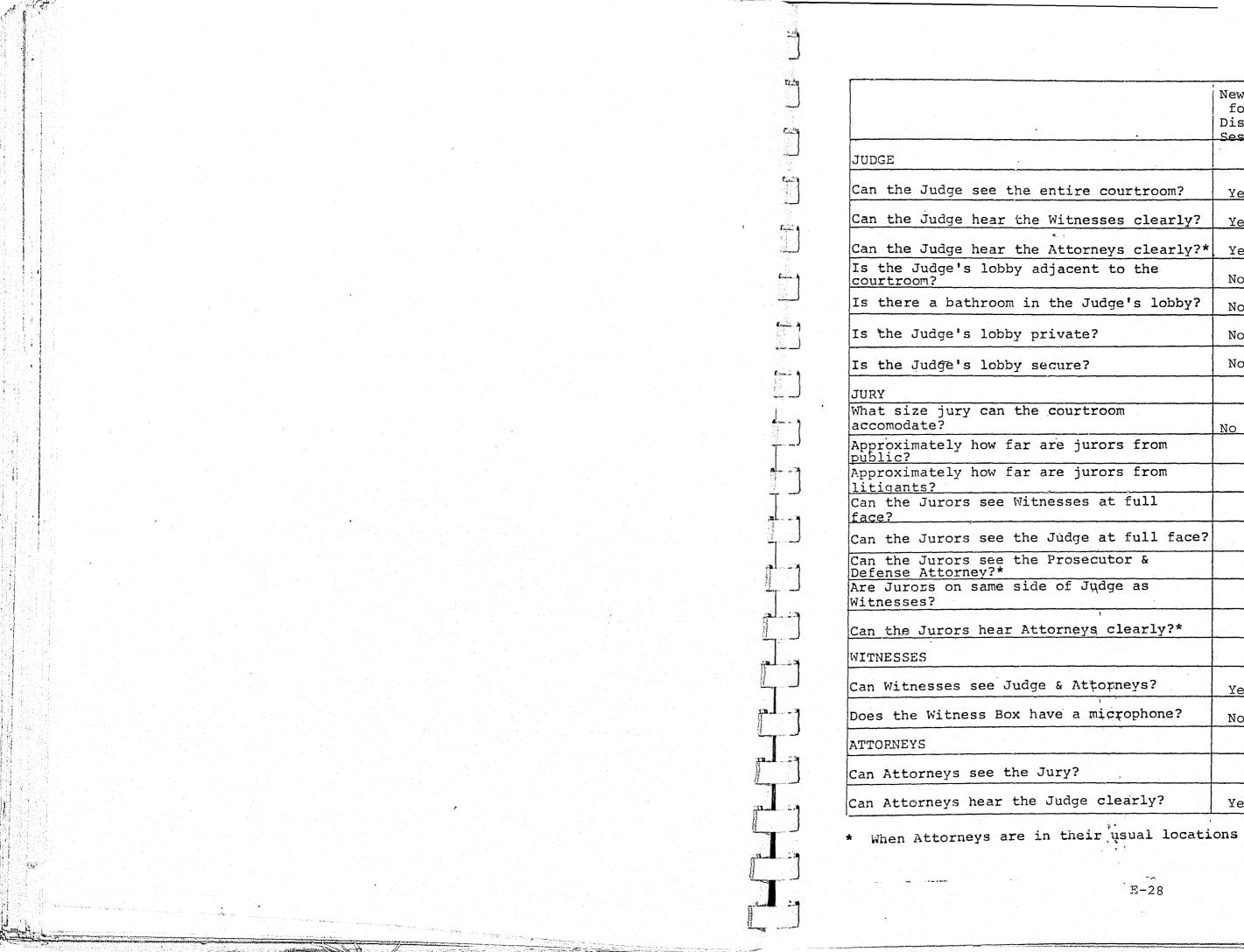
	* Refer to technical information section for further explanation	
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-26	SECOND FLOOR																	
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entire courtroom?	Yes	Yes	Yes
Witnesses clearly?	Yes	Yes	Yes
Attorneys clearly?*	Yes	Yes	Yes
djacent to the	No	No	No
the Judge's lobby?	No		Yes
rivate?	No		Yes
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		ford	River	Su
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	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
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	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
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	PUBLIC			
	Is the Public seating comfortable?	Yes	Yes	Ye
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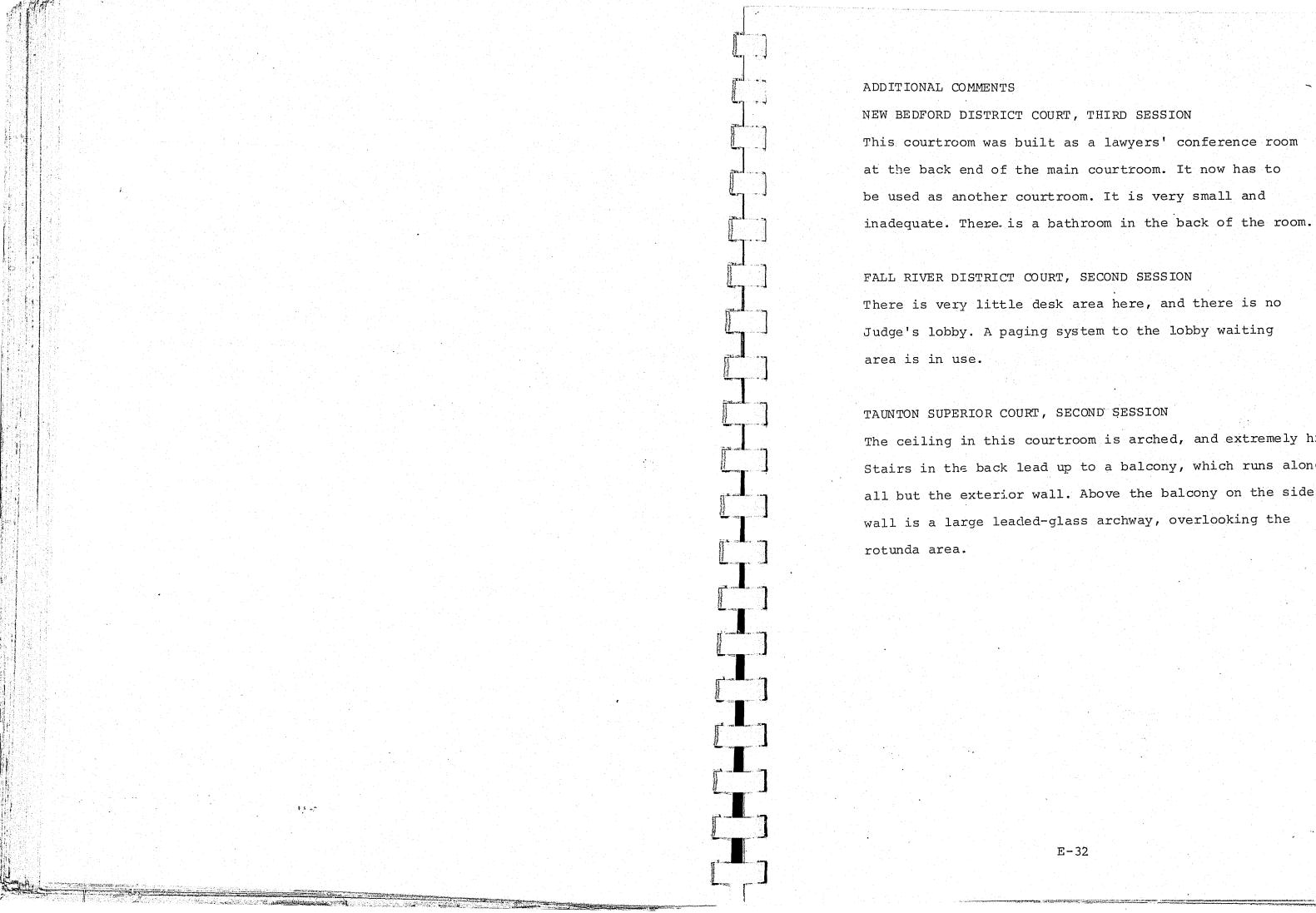
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		ATTORNEYS (continued)
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		Approximately how far is the from counsel?
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		Do Court Officers have a des
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1		DEFENDANT
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Probation	Yes		
e Judge clearly?	No		
e Attorneys	No		
e Witnesses	No		
	No		
blackboard?	Yes		
ened for visual	Yes	•	
J	No	<b>,</b>	
fortable?	Yes		
public area?	No press		

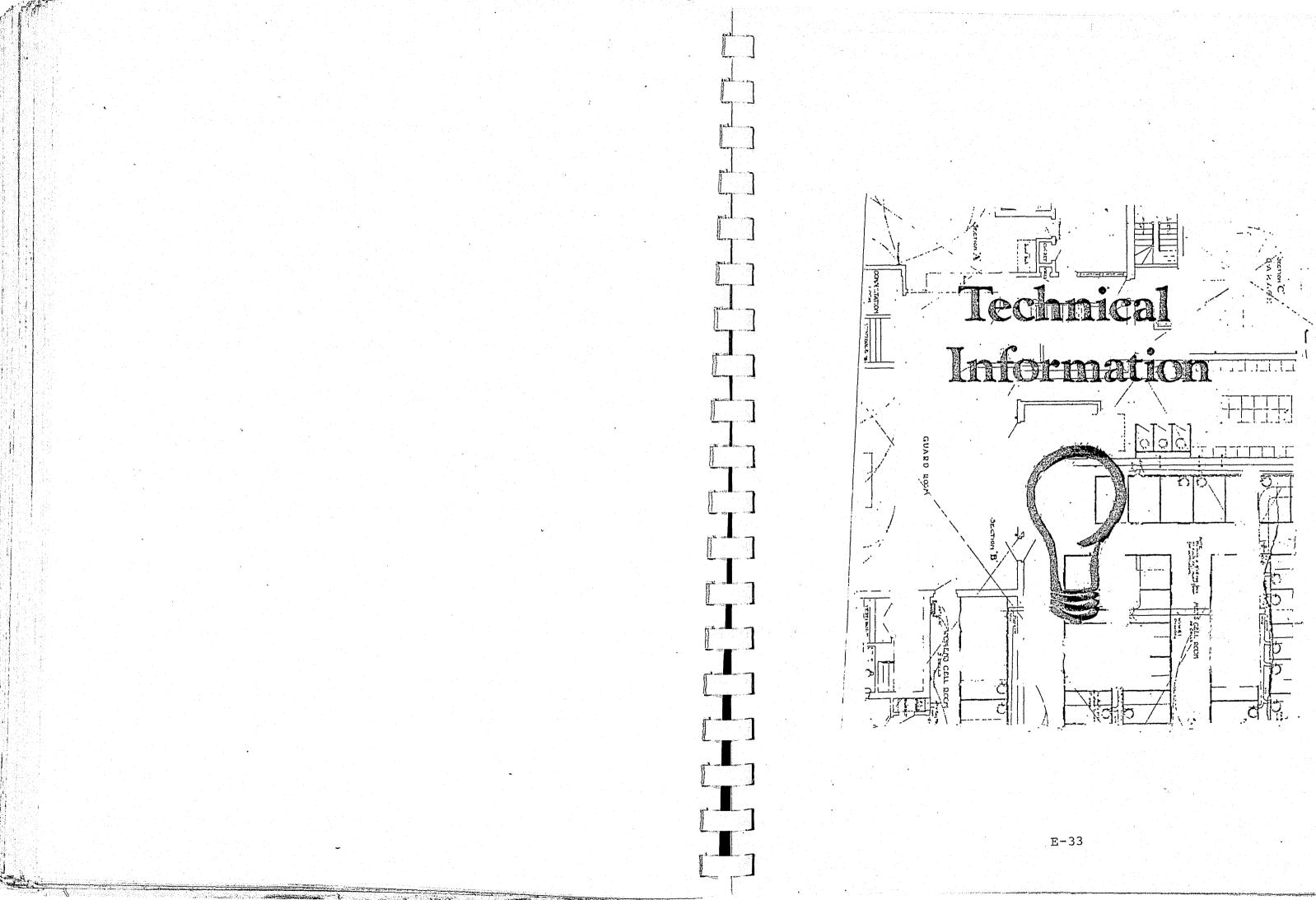
E-31



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.

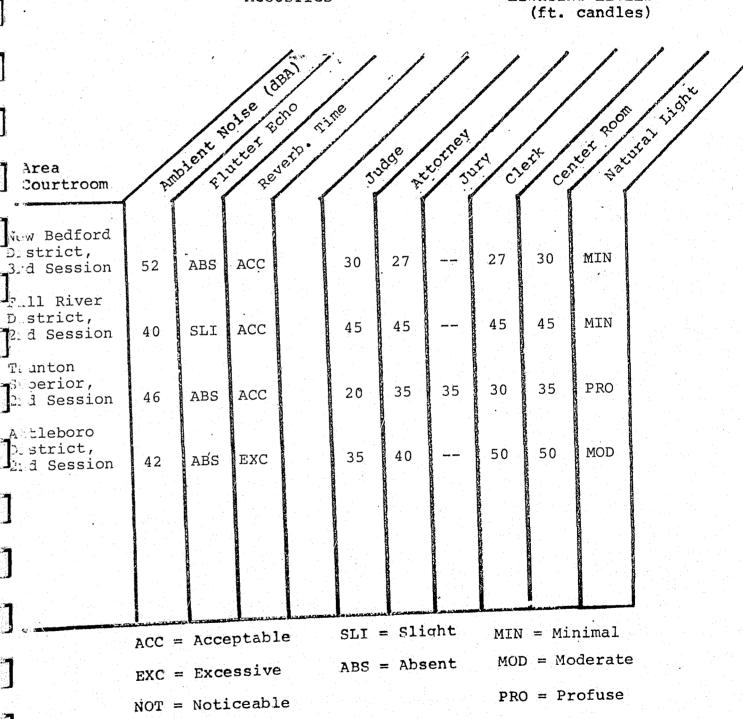
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This section contains a table of acoustical and lighting

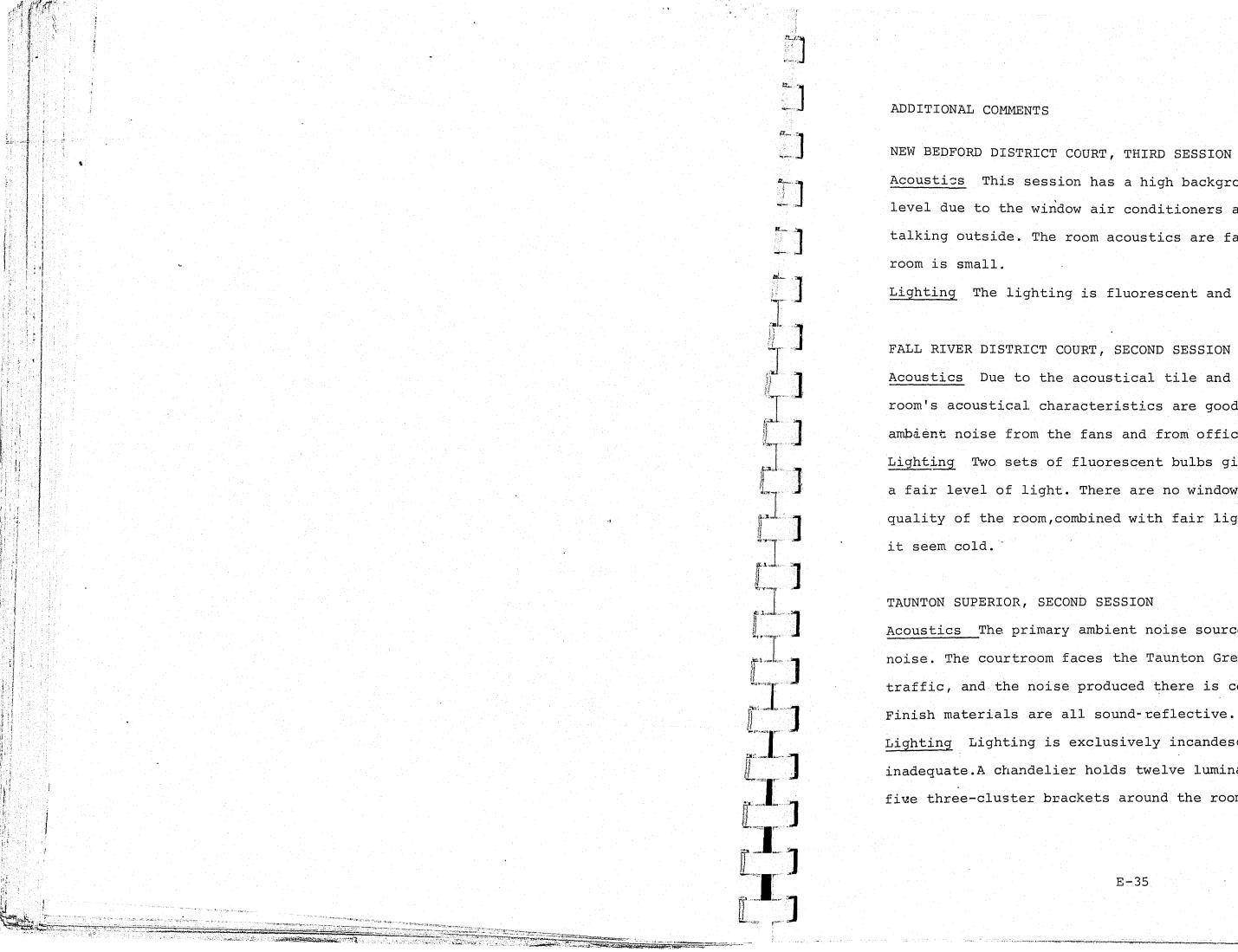
measurements on selected rooms in the courthouse. When further explanation is needed, additional comments will follow the table.



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.

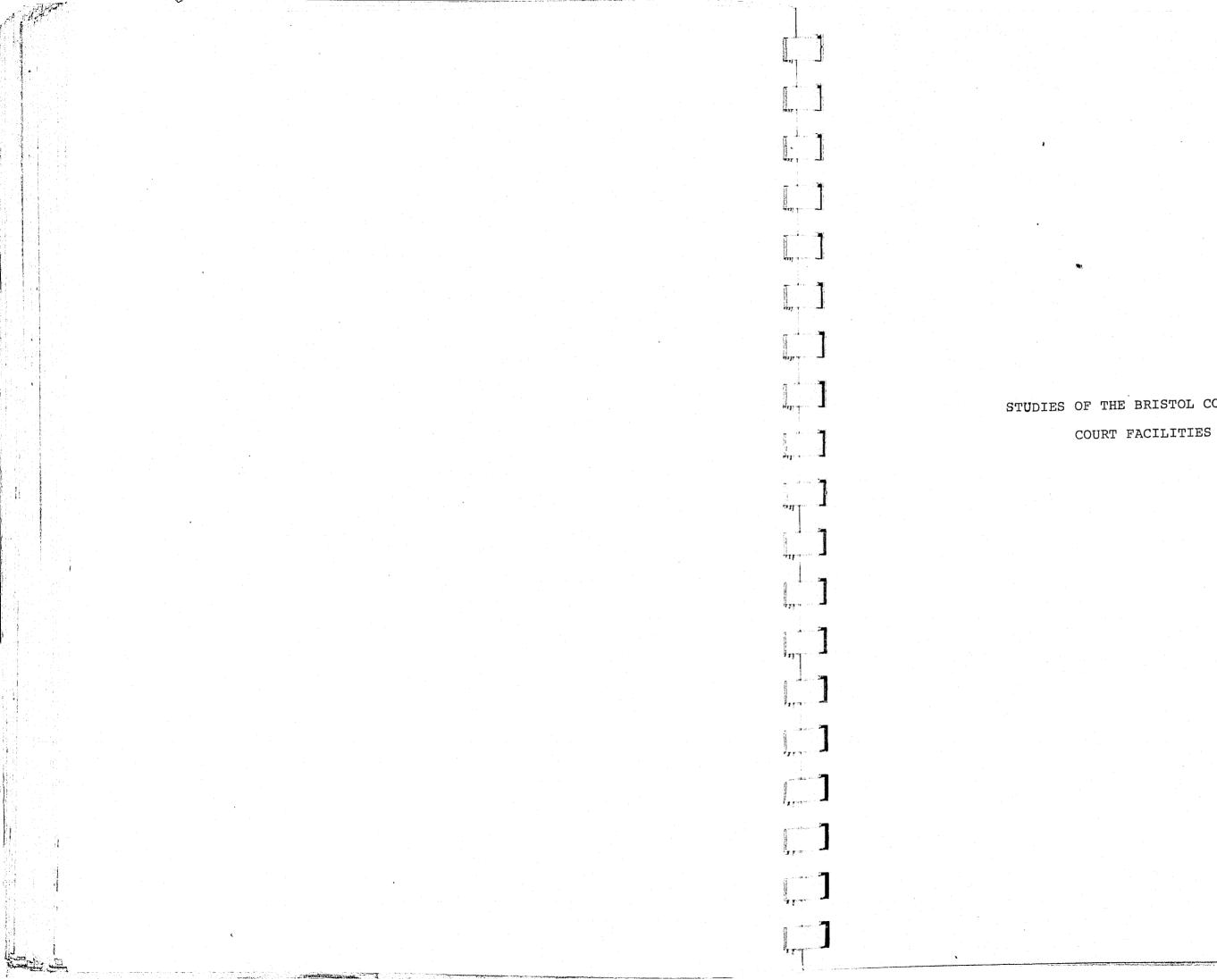
ATTLEBORO DISTRICT SECOND SESSION of low ambient noise. augmented by natural light.

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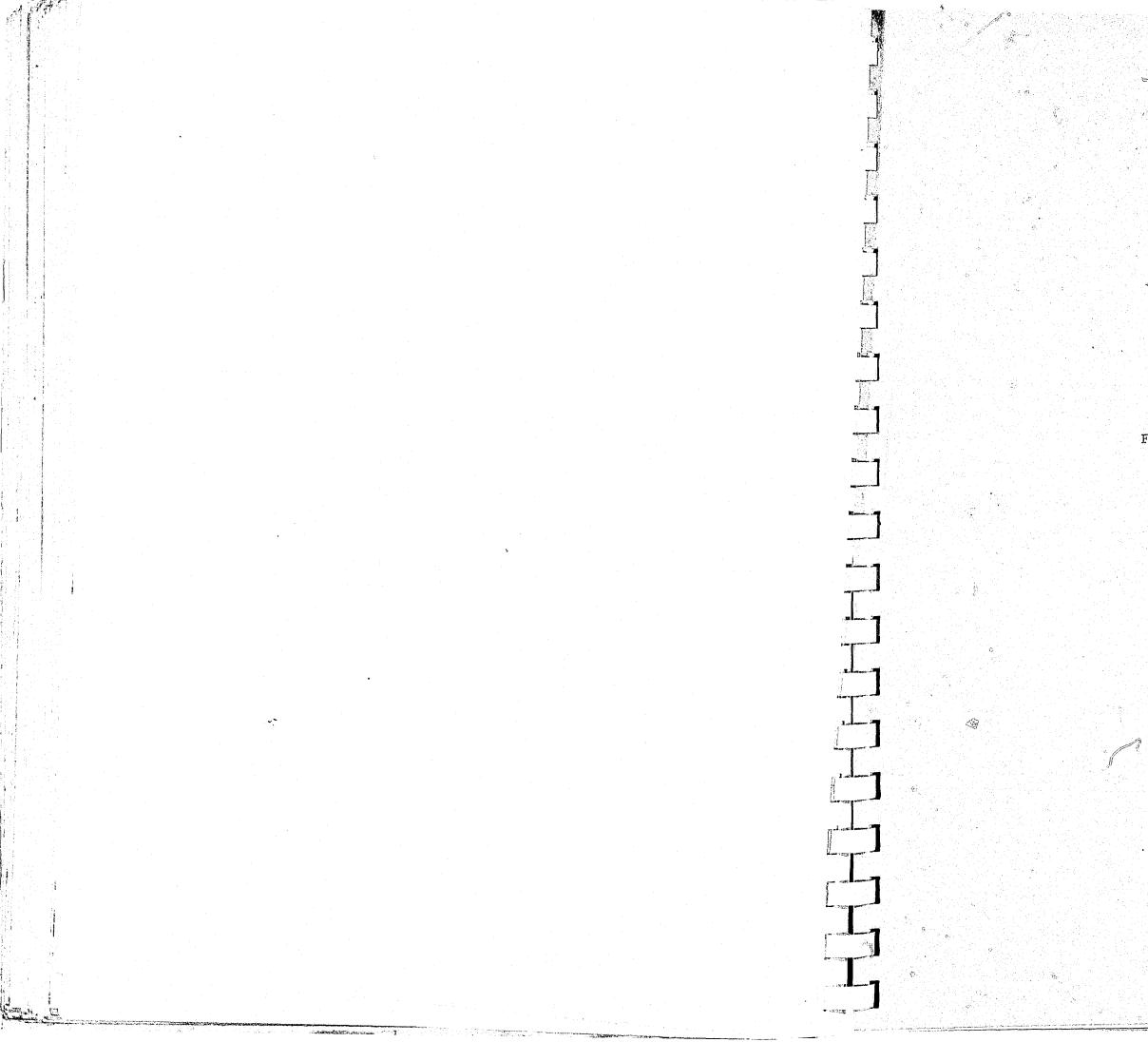
Acoustics The main sources of ambient noise are traffic noise and hallway noise. The room is air conditioned, but the system is remarkably quiet. The room is quite reverberant, however, and this tends to negate the benefits Lighting The room is lit with five hanging indirect/direct

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

• • •



STUDIES OF THE BRISTOL COUNTY DISTRICT



FOURTH DISTRICT COURT OF BRISTOL (ATTLEBORO)

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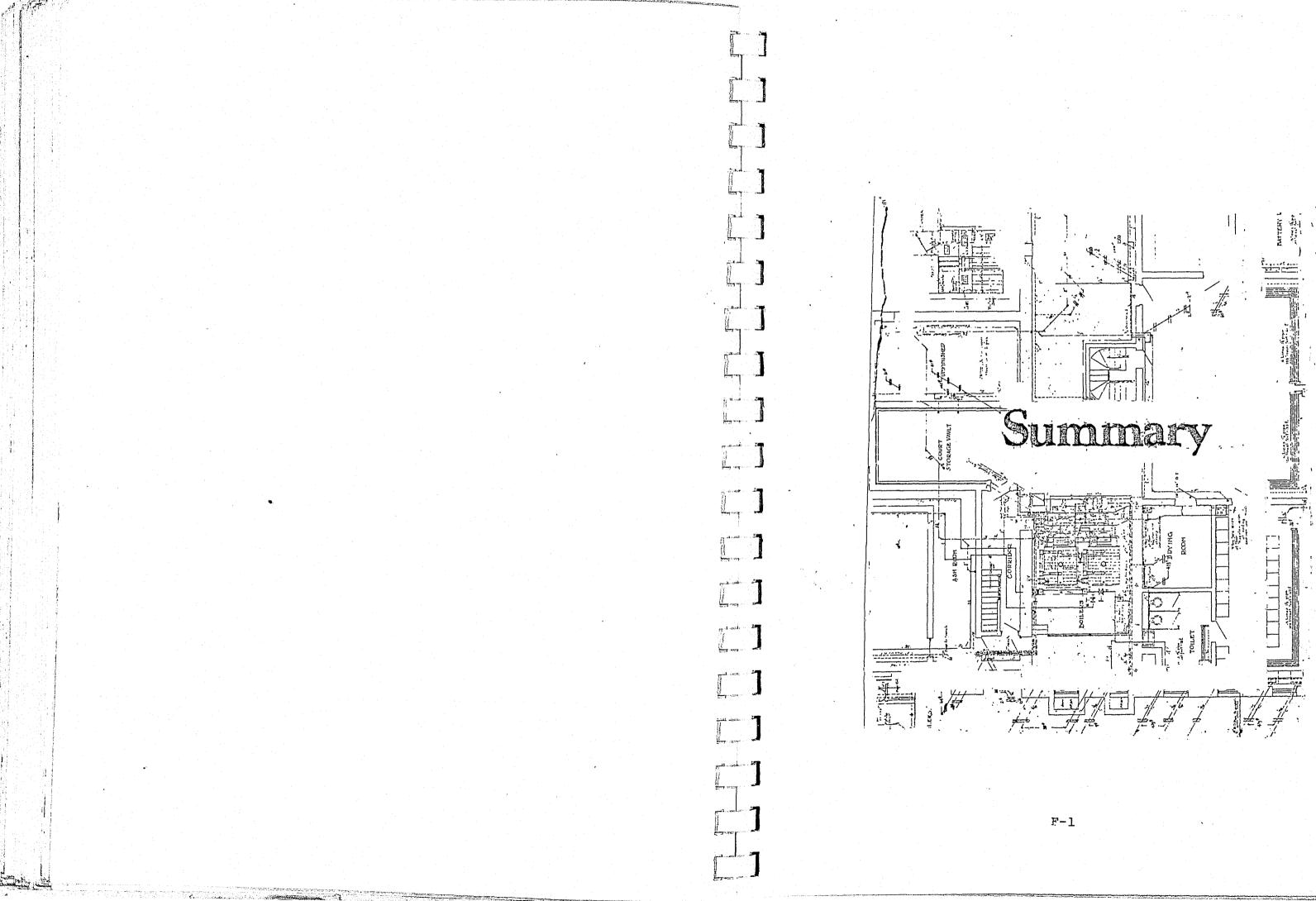
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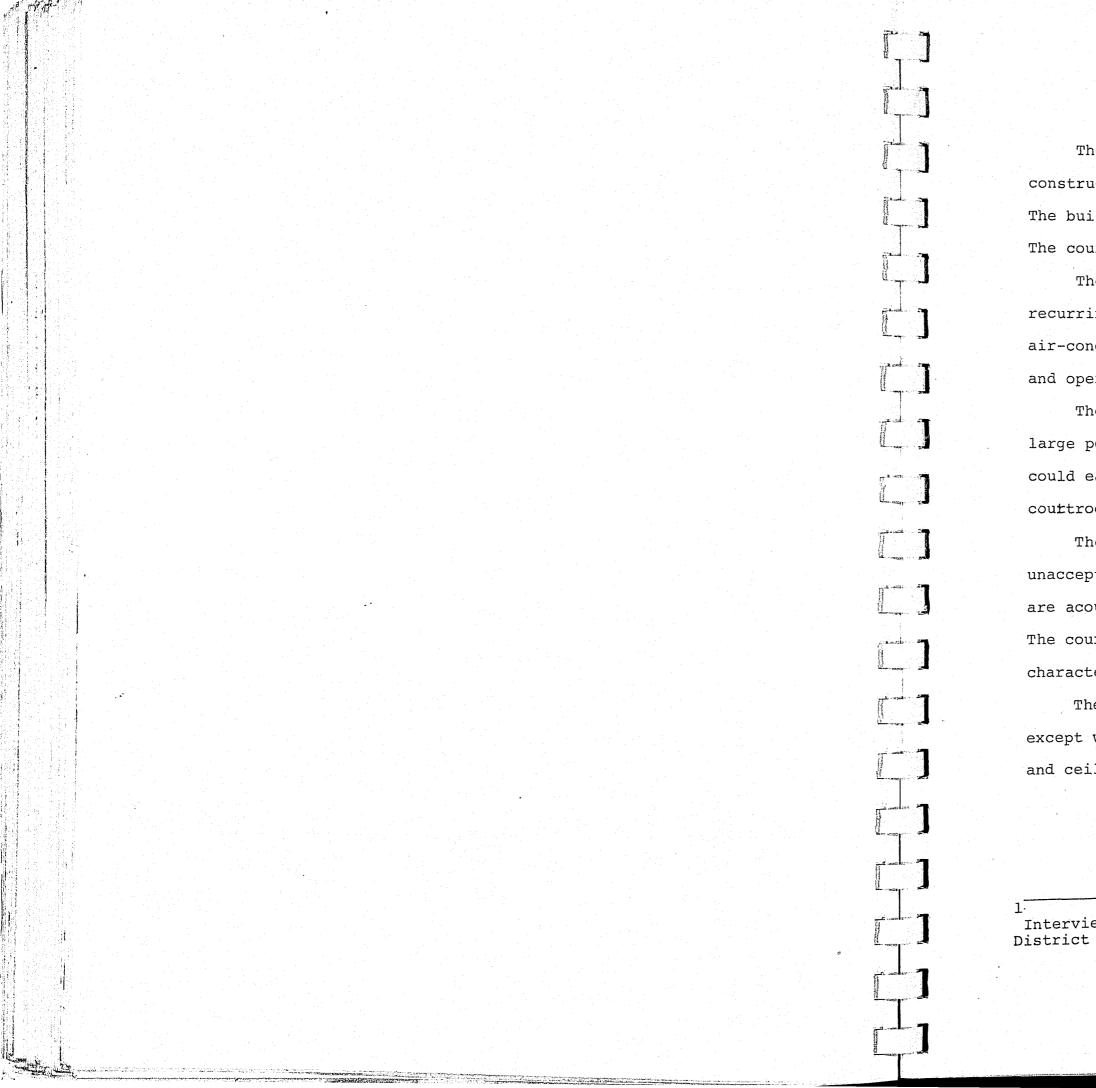
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Contraction and the substrate of the statement of the sta





and operational.

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.

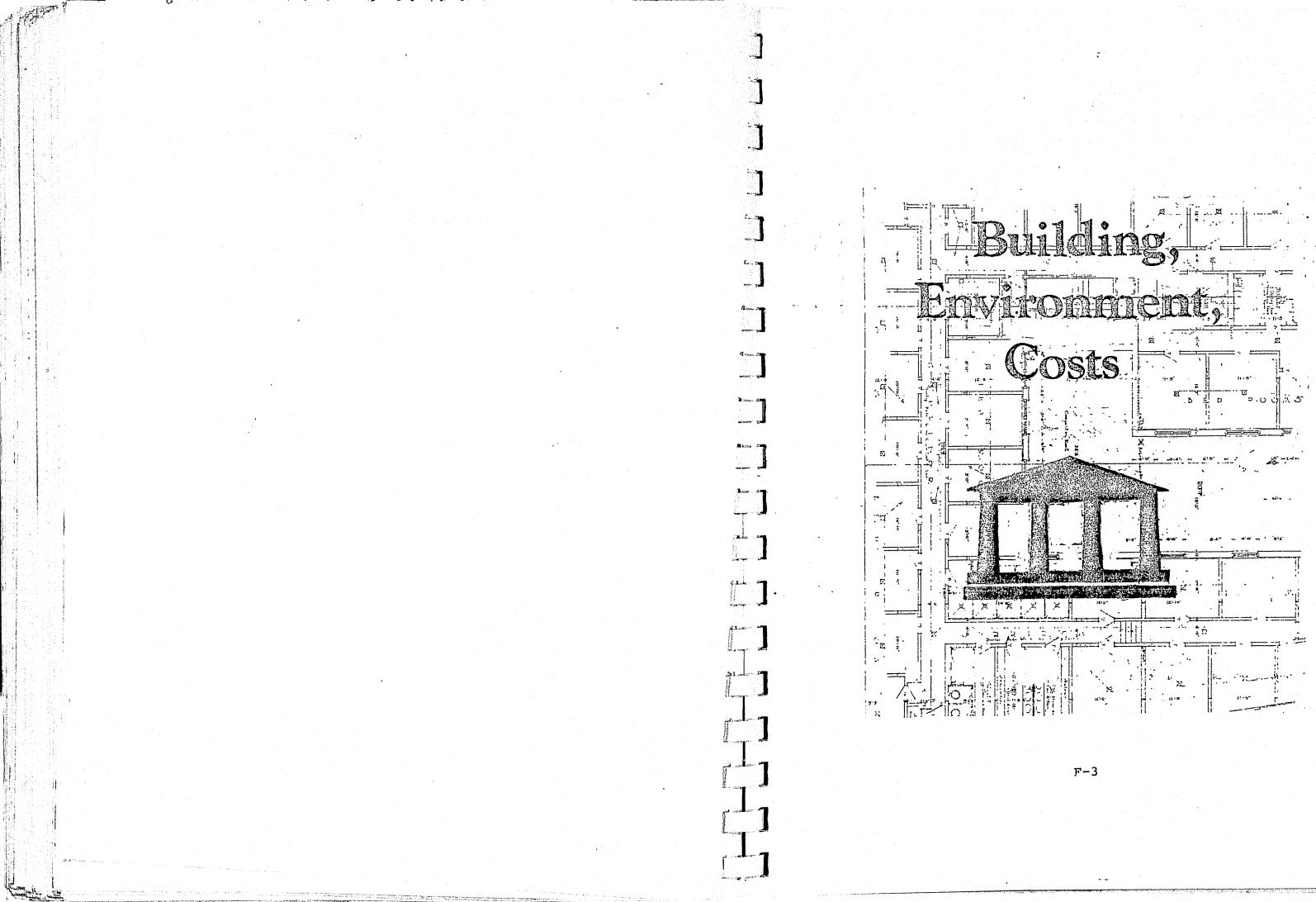
The building is structurally sound except for a recurring roof leakage problem. The building systems (heating, air-conditioning, plumbing and electrical) are adequate

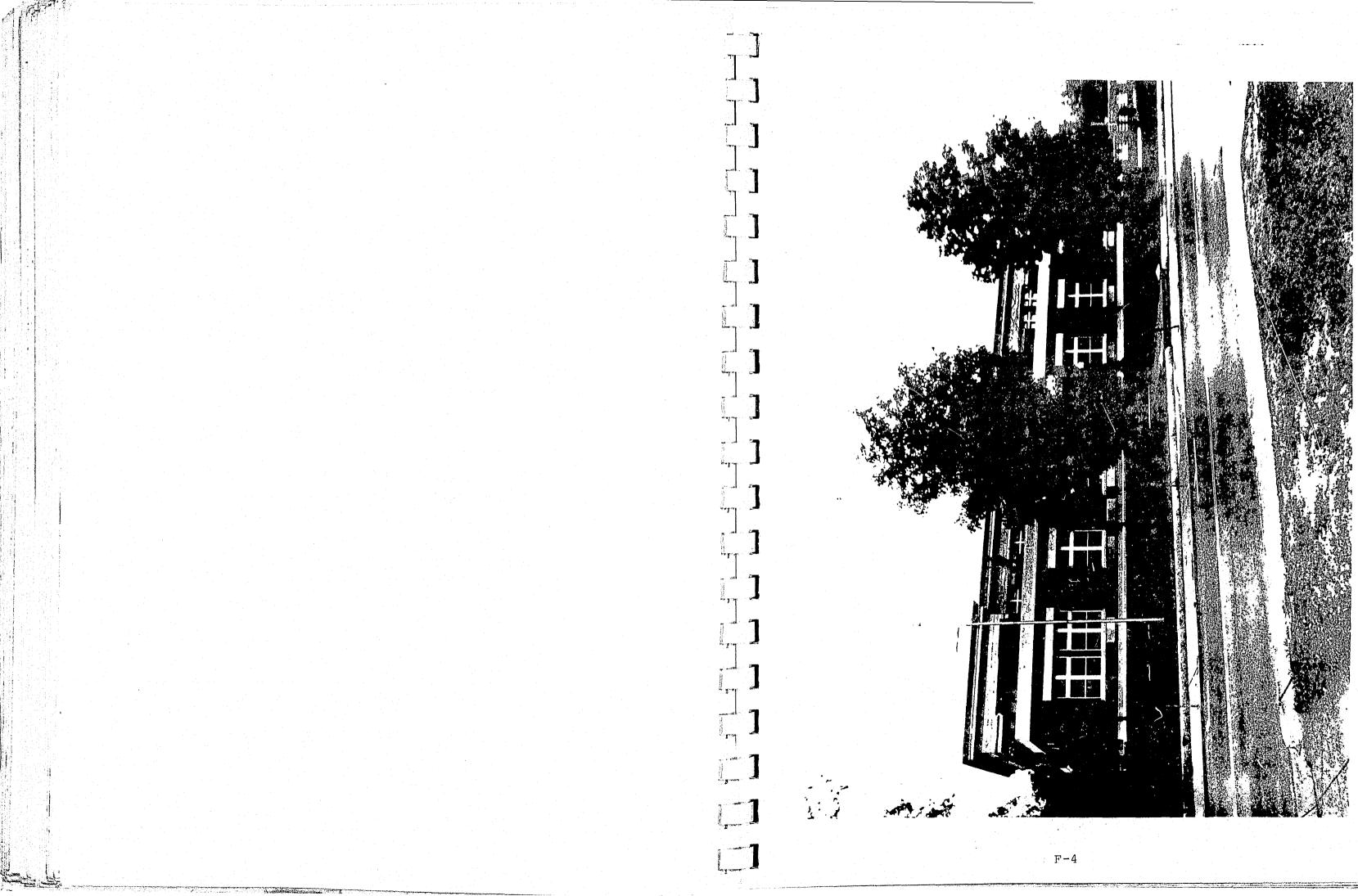
The court has ample space, due to the addition. A large portion of the basement is currently not used, but could easily be remodelled into office , storage or

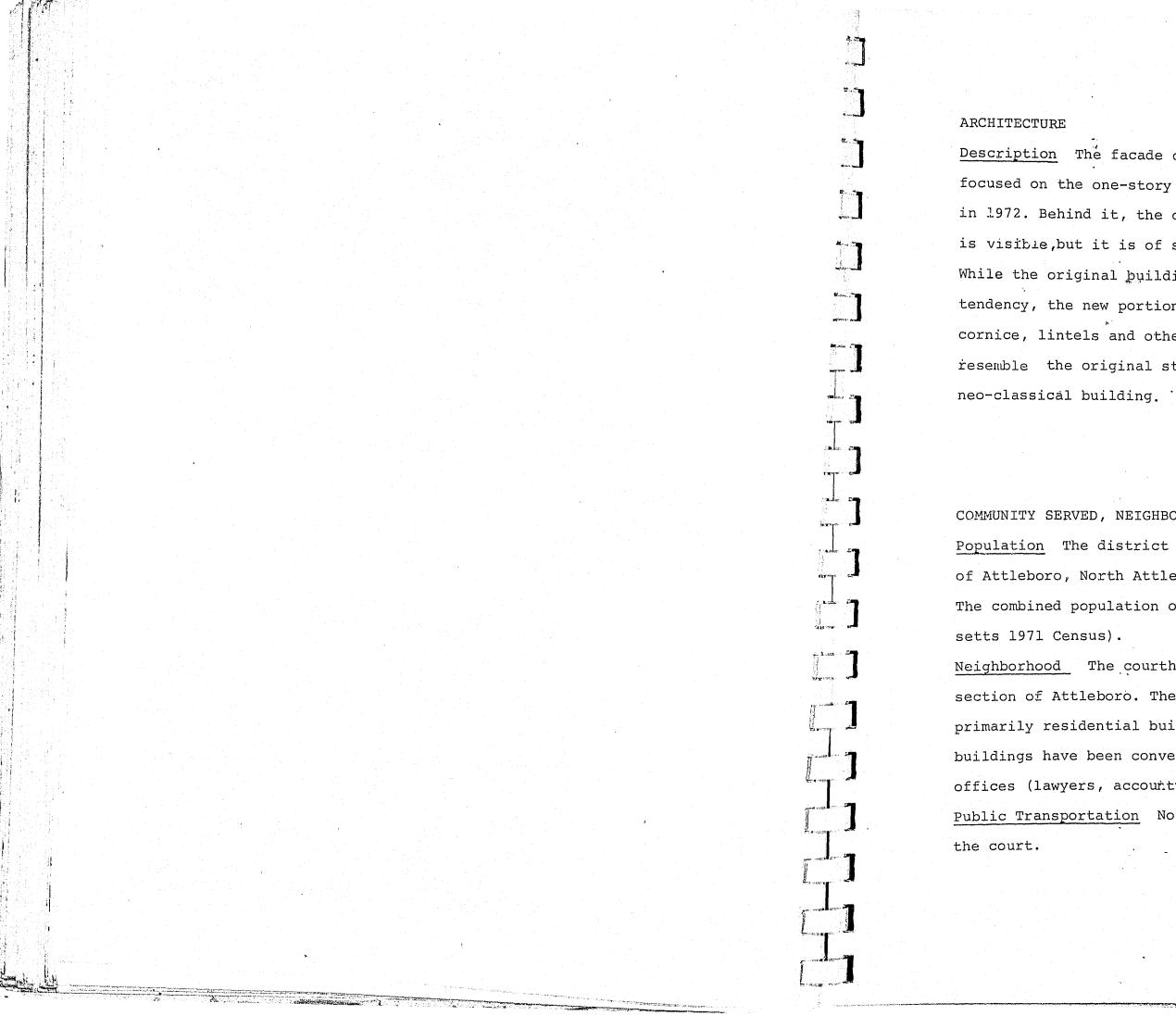
The lighting levels are generally substandard with completely unacceptable levels in the 1st session courtroom. Many rooms are acoustically unacceptable due to excessive noise levels.

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.

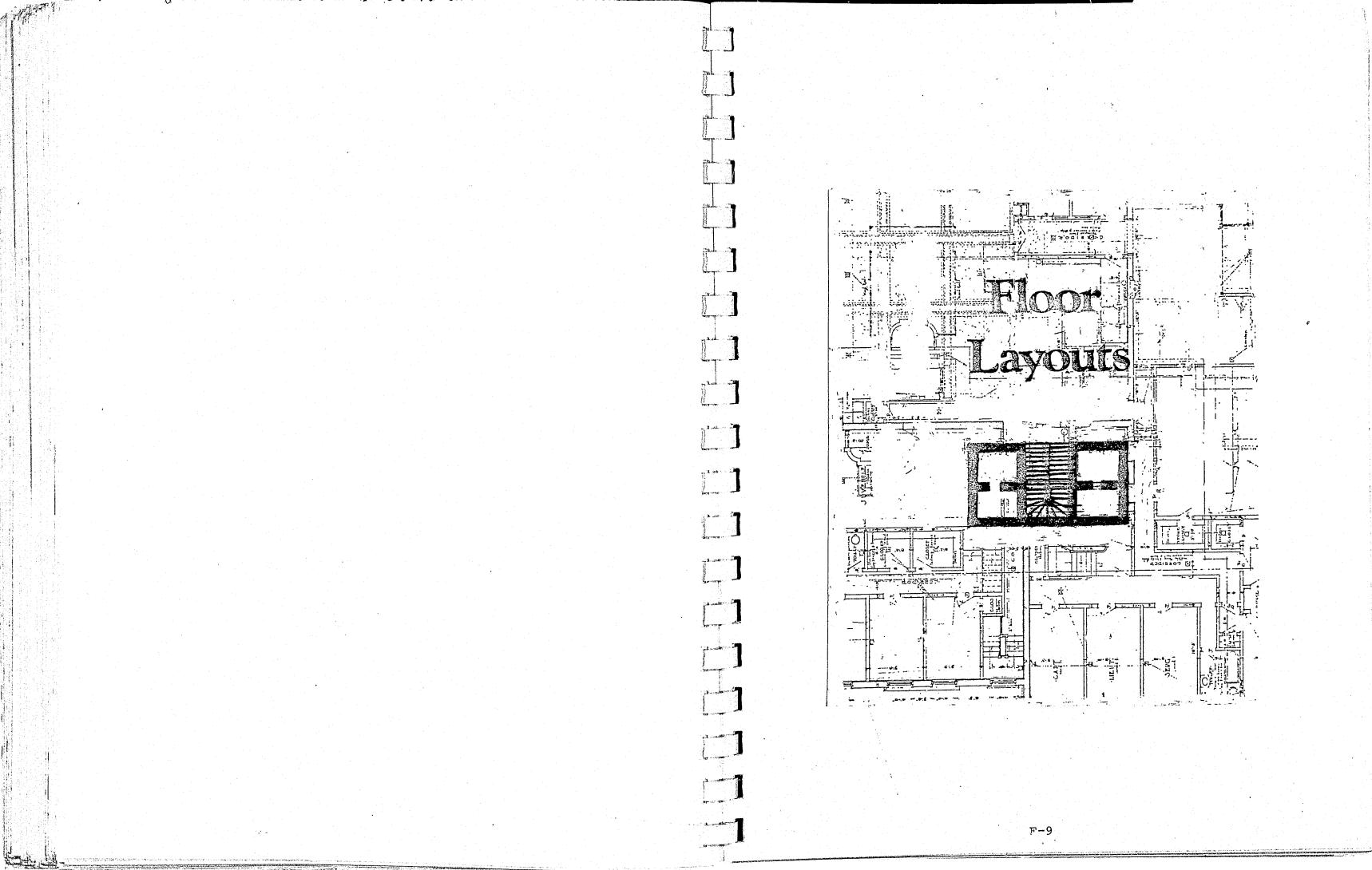
OPERATING AND MAINTENANCE COSTS The following information on costs was obtained from the Bureau of Accounting of the Commonwealth of Massachusetts. These are actual costs for the year 1973. Light, Heat,

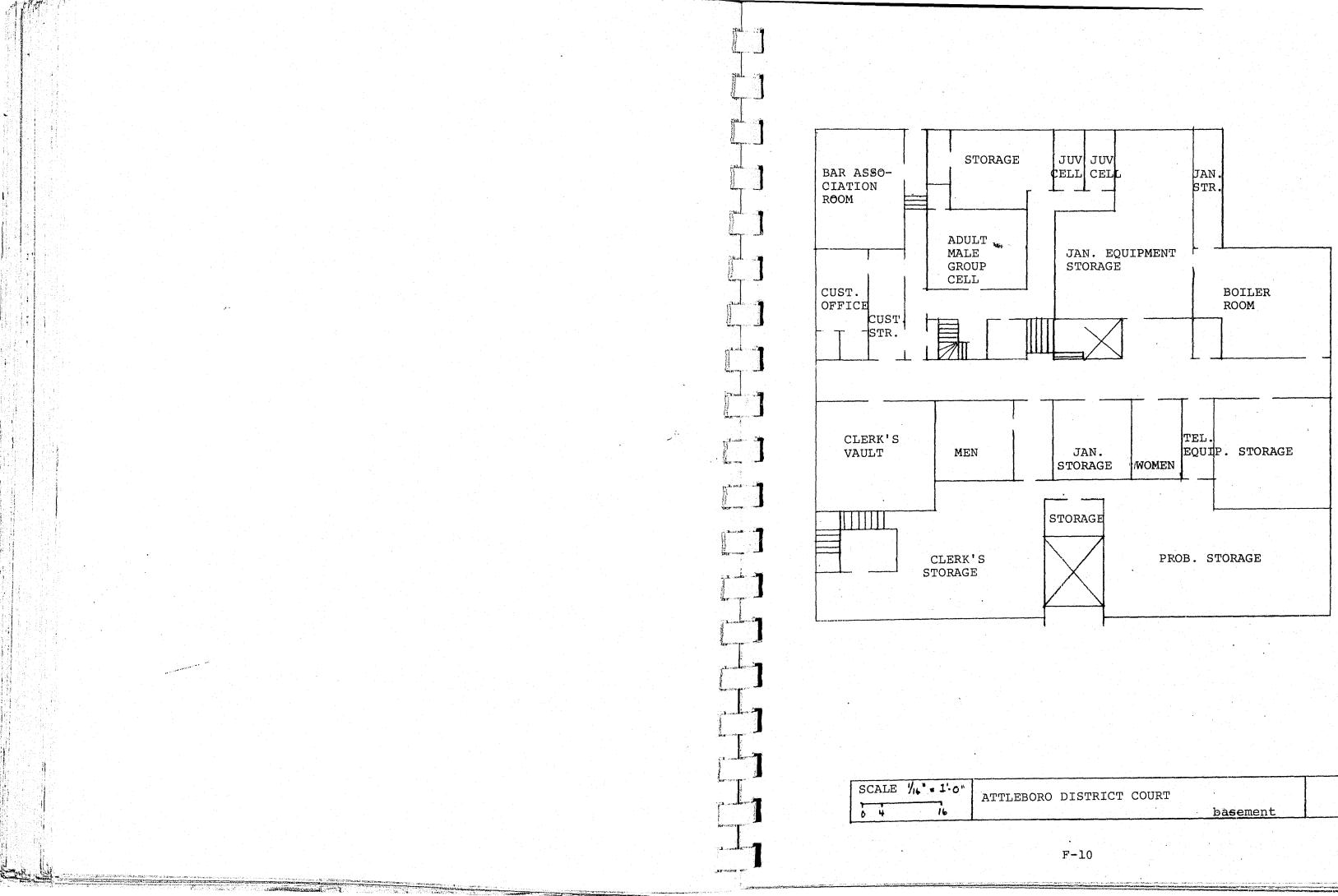
& Power General Maintenance & Repair Fuel Oil Water

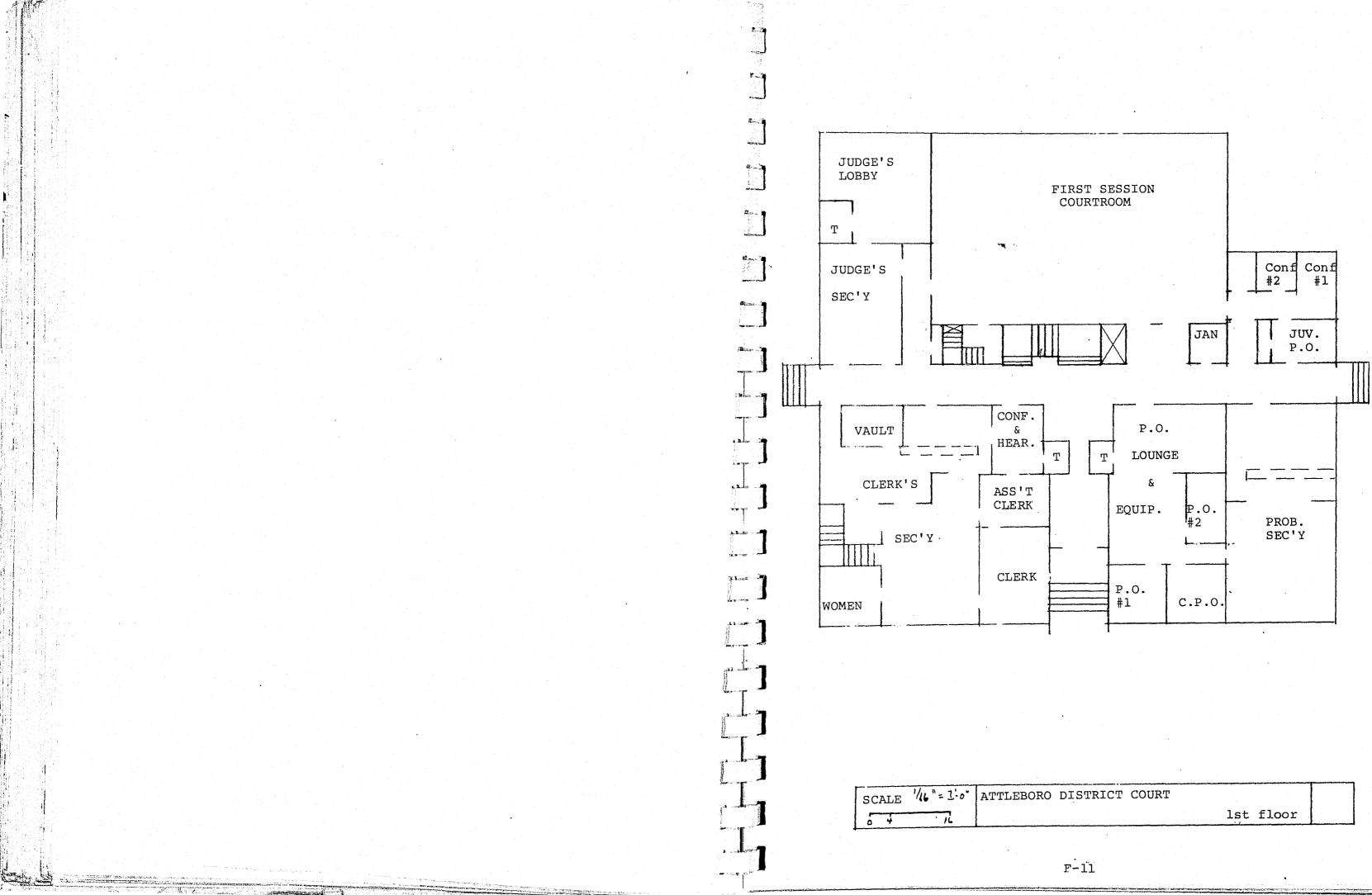
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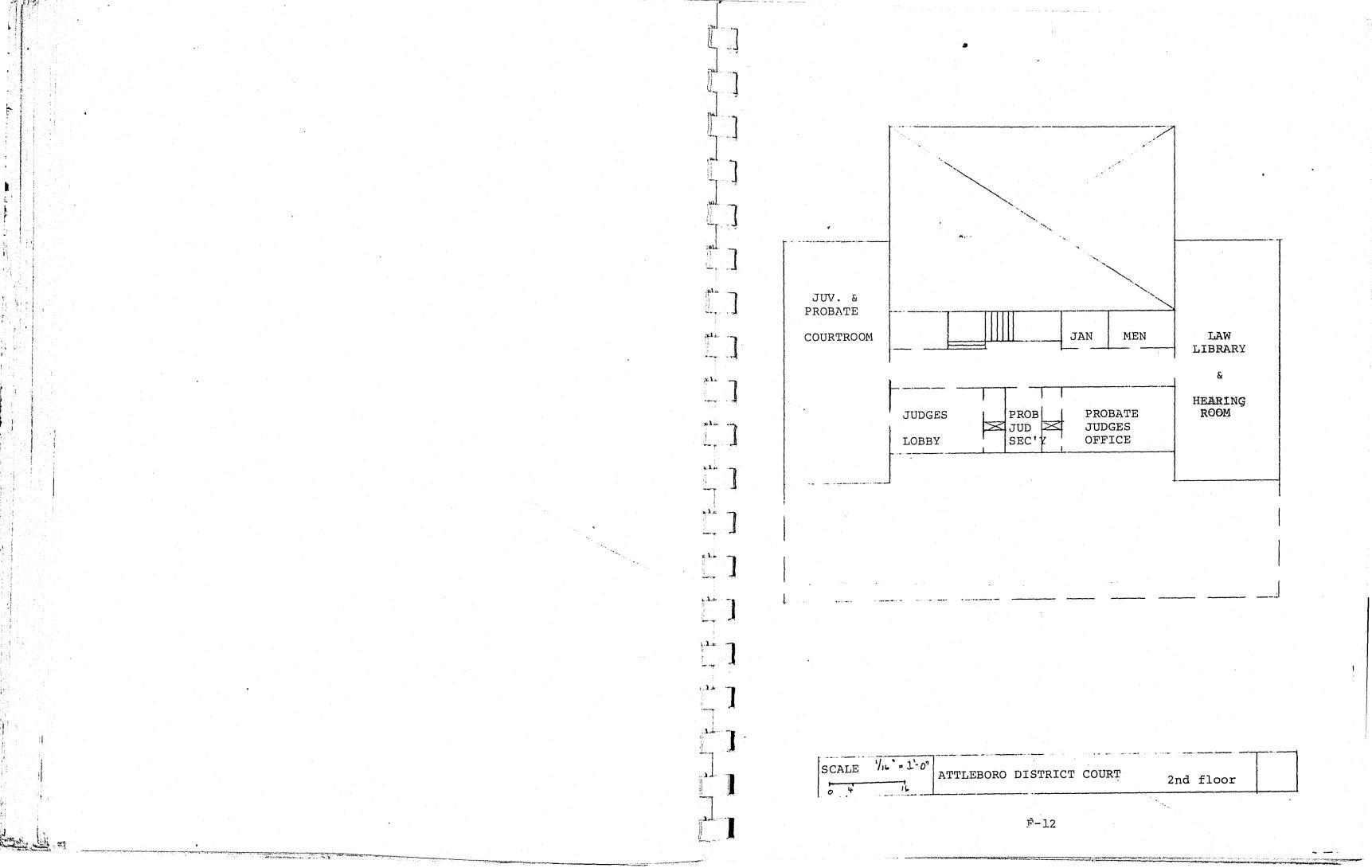
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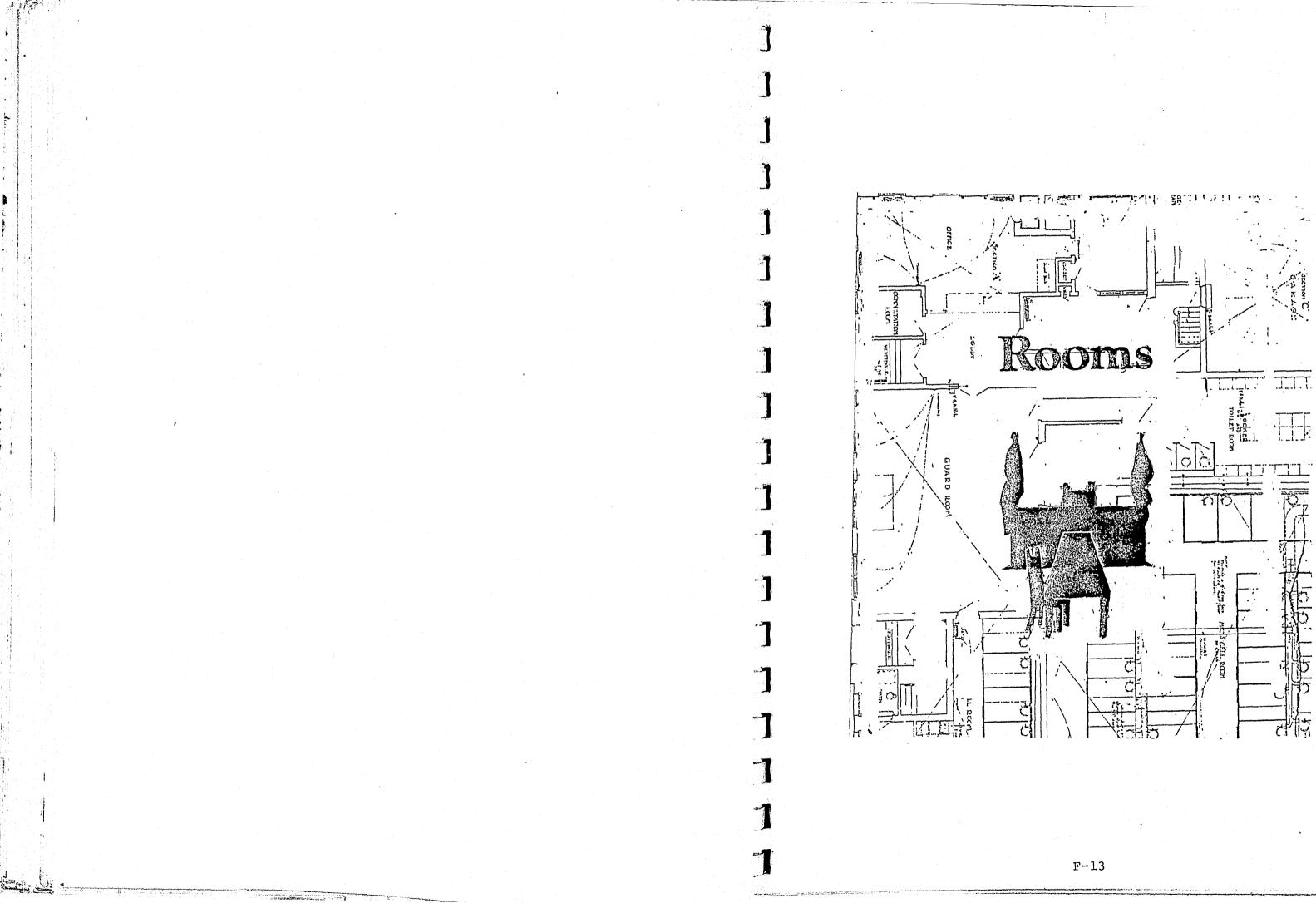
\$ 5,763.45 2,386.51 2,515.80 38.40











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
	<b>.</b>							-					:	•		اسین میکانور 
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	C	Γ	1	t	e	ſ	1	a

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

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

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#### LIGHTING

N

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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.*	

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  - 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

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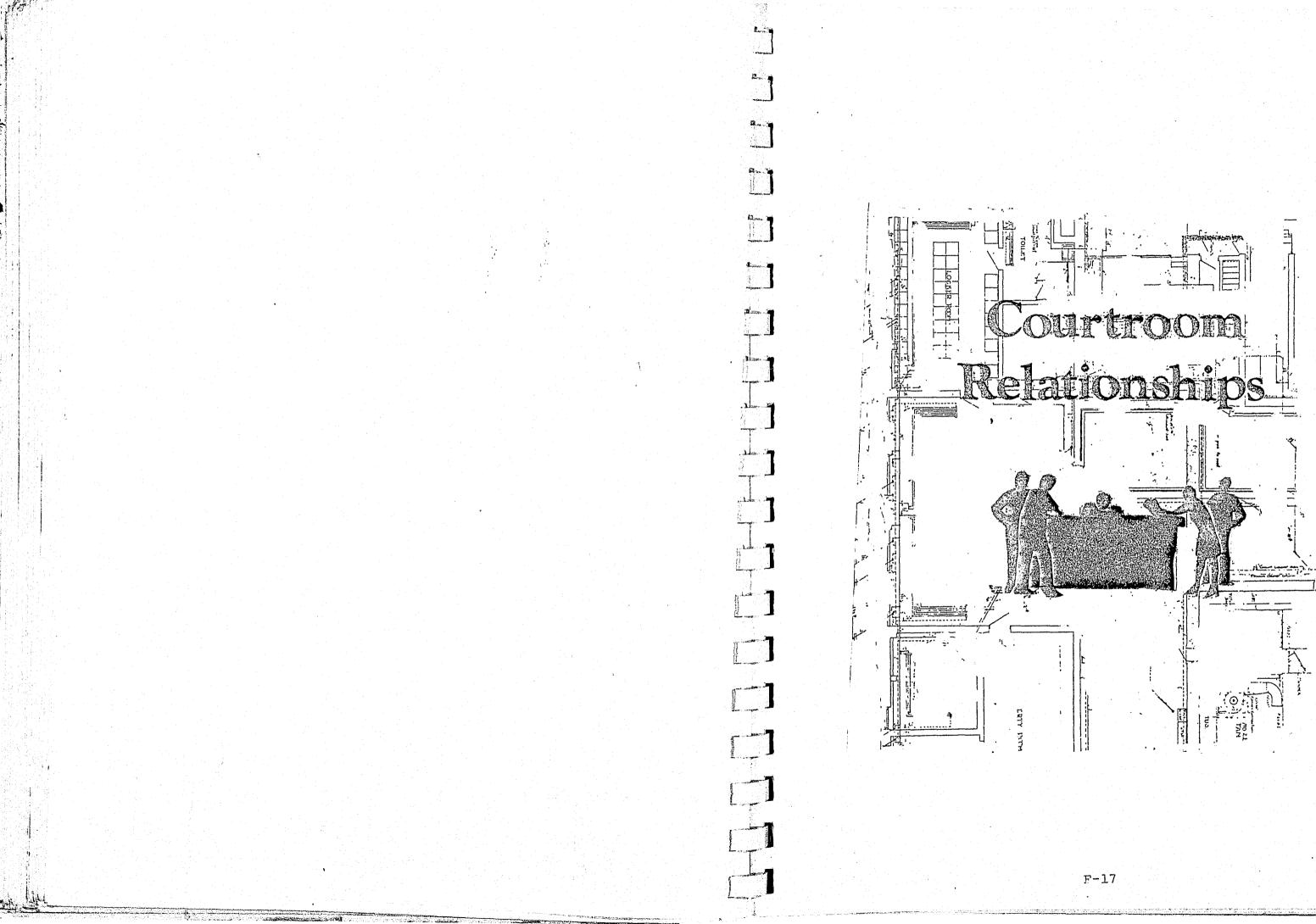
Indicates multiple window units, (e.g., 3 window (n) W units would be entered as (3)W.

* 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
				- <del>pP</del>												
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	J	- <b></b>	<u>}</u> :	<u>.</u>	<b>!</b>	I	· ·			<b>]</b>				- <u> </u>	I	<u>_</u>

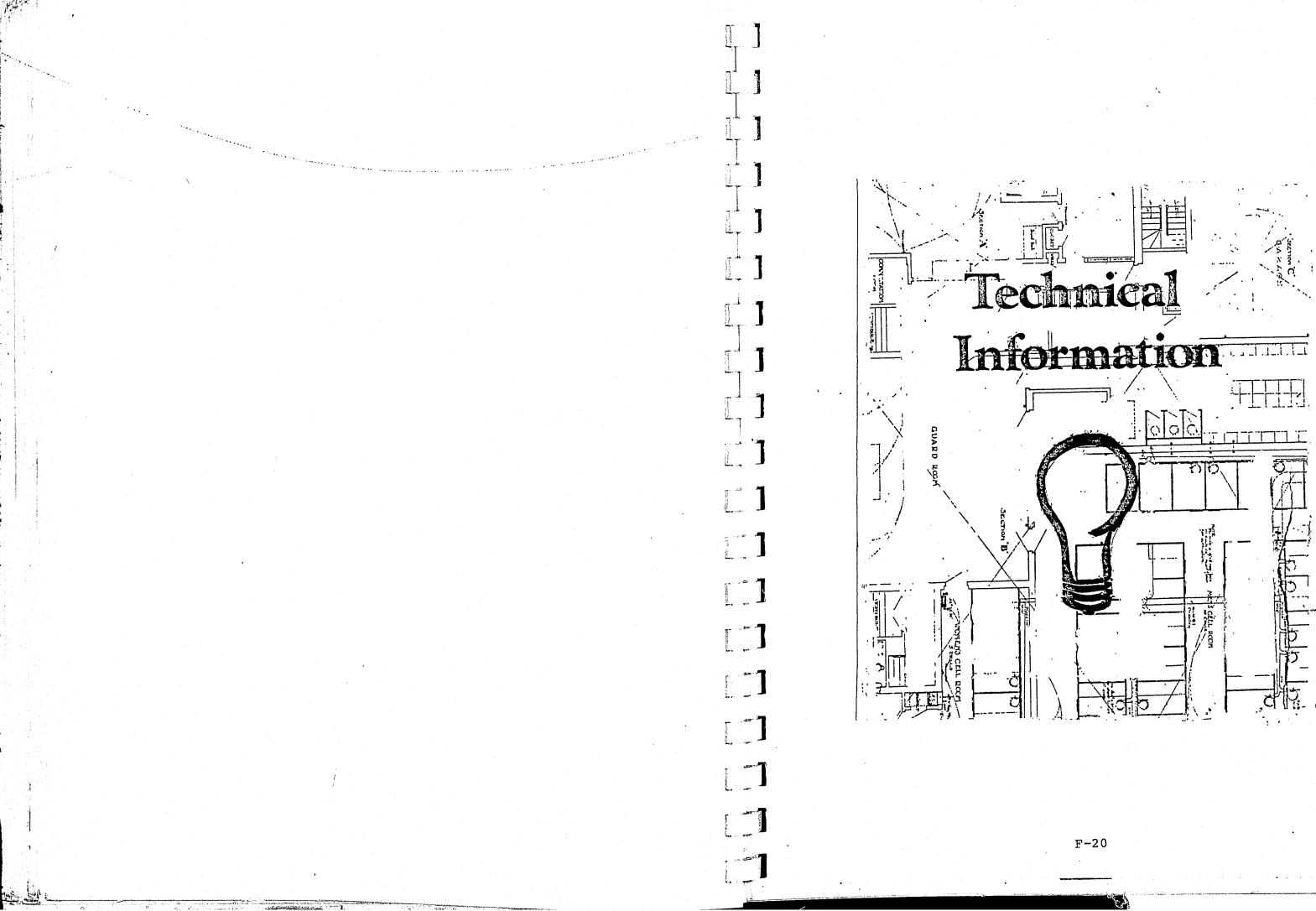


JUDGE Can the Judge see the ent Can the Judge hear the W Can the Judge hear the A Is the Judge's lobby adja courtroom? Is there a bathroom in th Is the Judge's lobby priv Serve Lag Is the Judge's lobby secu JURY 1----What size jury can the co accomodate? Approximately how far are public? _____ Approximately 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

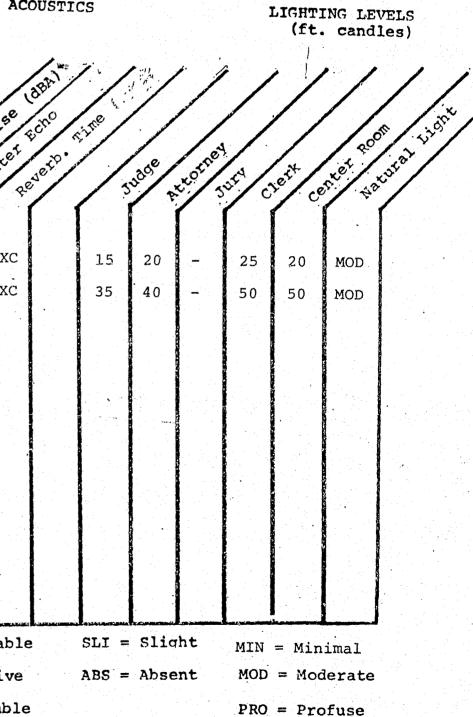
This meter is color and cosine corrected to give a linear response (accuracy ±15). Light intensity is not the only factor affecting the illumination of a room. Natural light (sunlight, affect on the lighting level of a room. Glare from of the room to read and record information. These lighting, such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

ACC = Acceptable

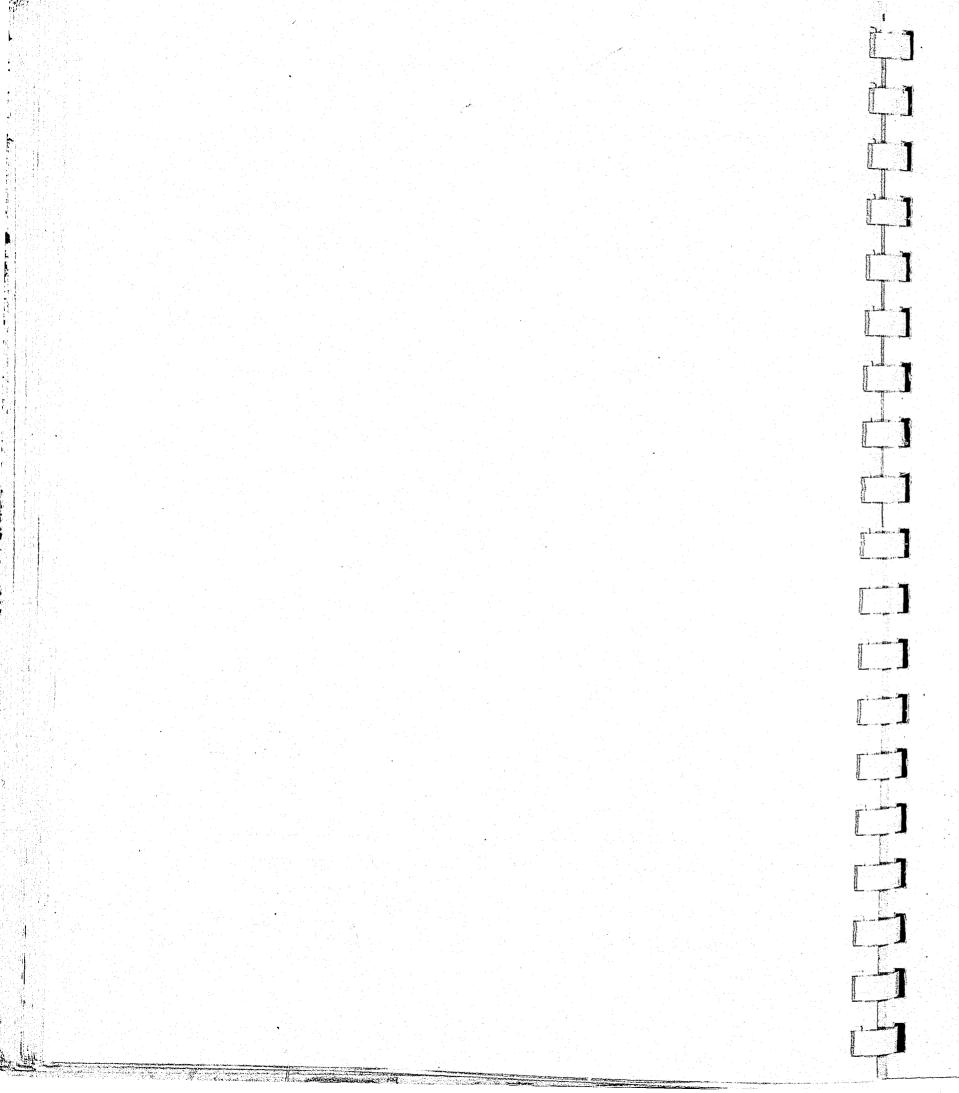
EXC = Excessive

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.

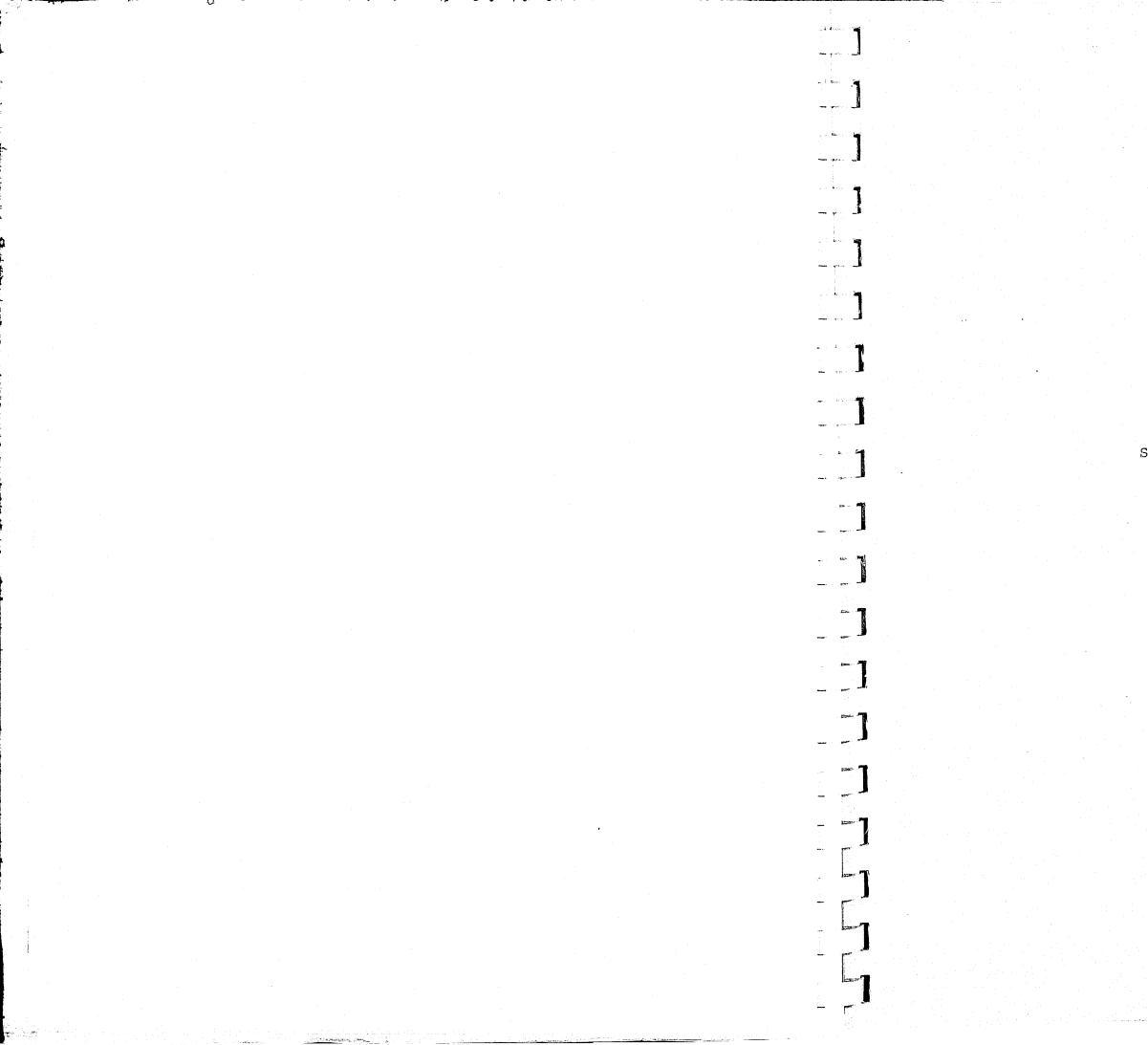
Acoustics Much noise enters through the open windows of this non-air conditioned courtroom. The room has a

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

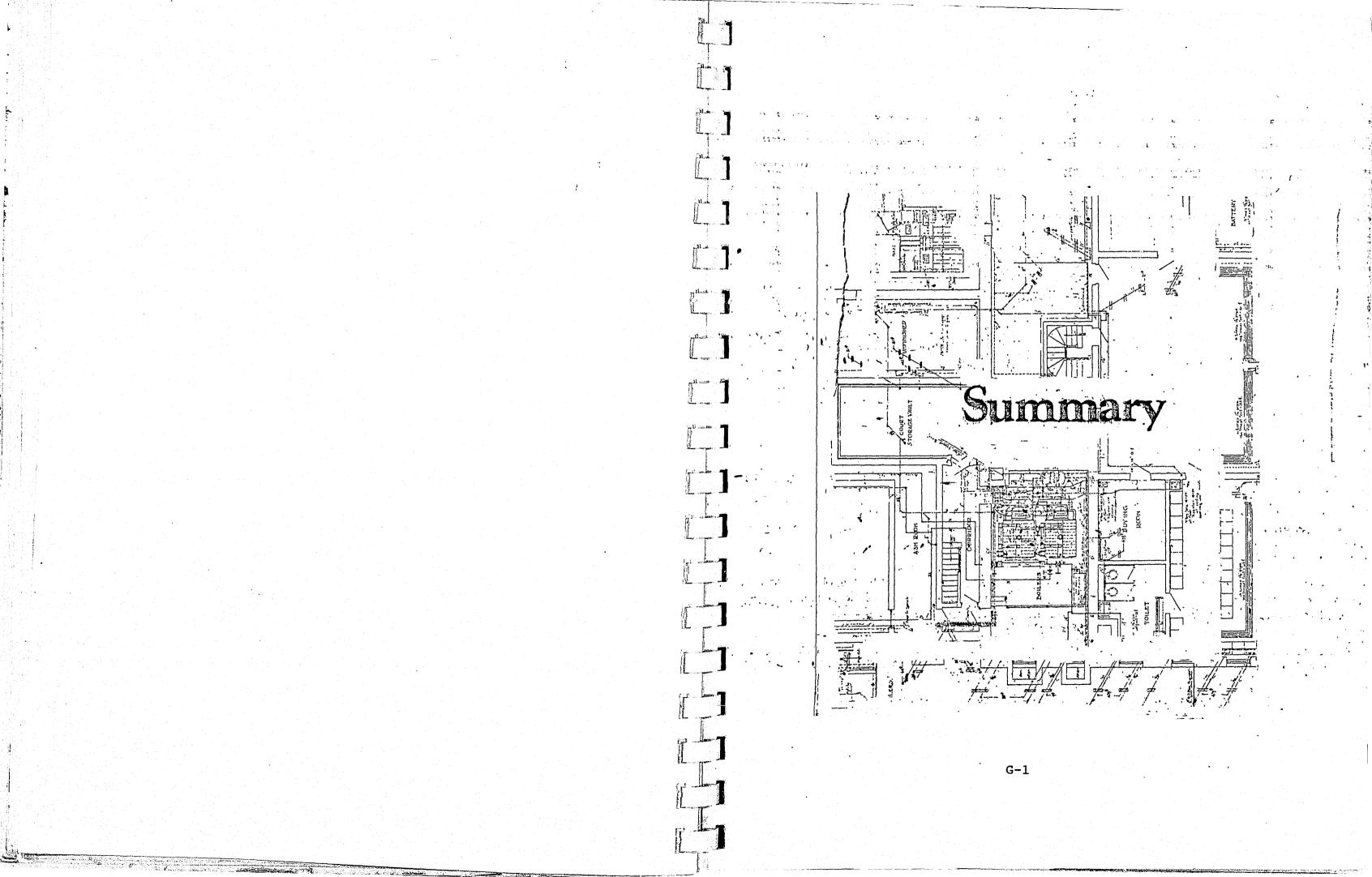
an a	
an de la companya de	CONTENTS
an a	
an a	SUMMARY
	BUILDING, ENVIRONMENT
	Photograph
	Architecture
n en	Community Served Transportati
an a	Courthouse Funct
	Structure
	Operating and Ma
	FLOOR LAYOUTS
	1 1001. 2.1.000
n se a la companya de la companya d	ROOMS
	COURTROOM RELATIONSHI
	TECHNICAL INFORMATION
and a second	
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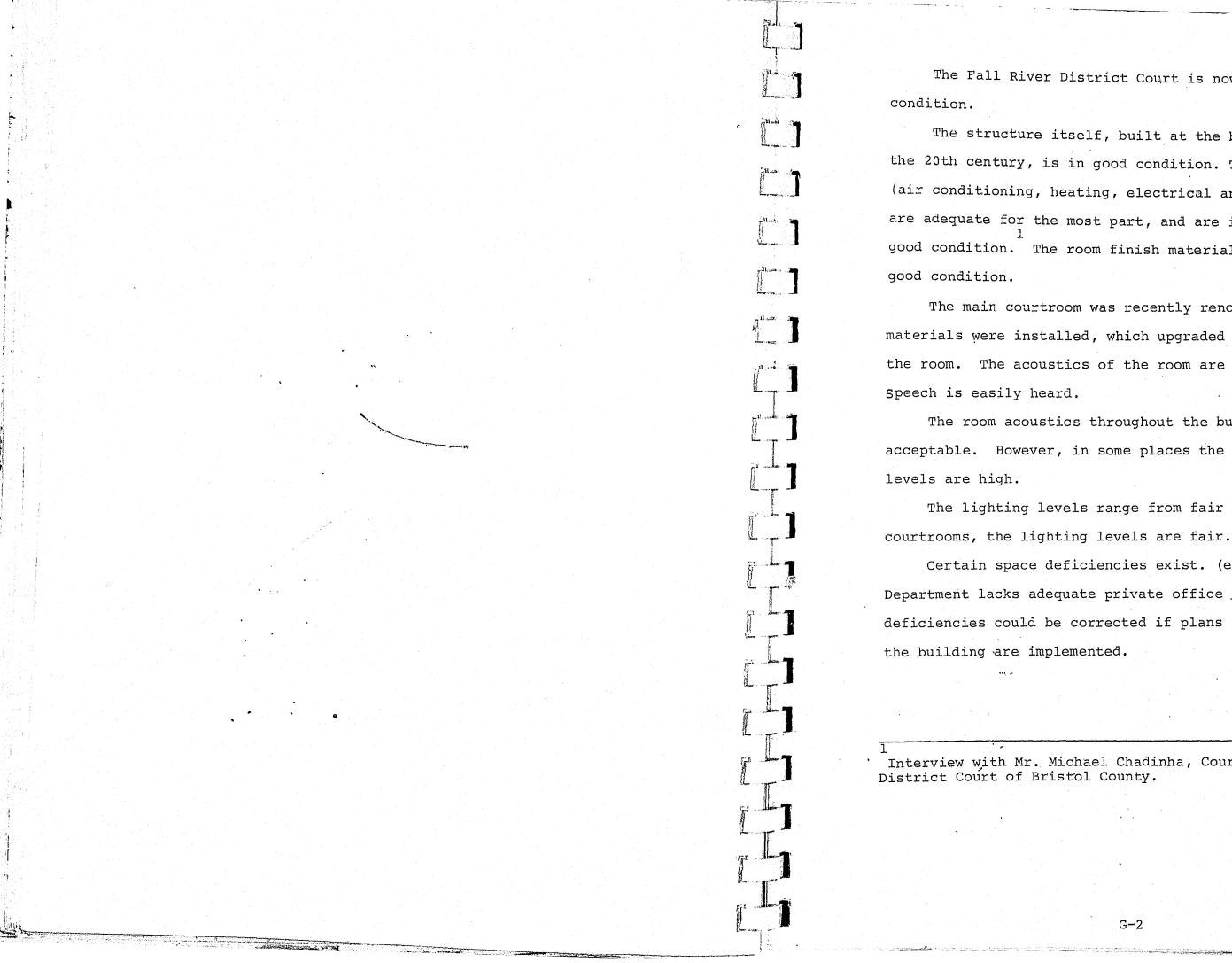
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	•	٥	8	٠	۰	•	e	o	٠		•	•	•		٠	8	G	13
IS	HI	PS	•	•	•	•				•	٠	a	4	0	0	•	G	16
'I	ON	٠		9	•	•	•	•		•	•	٠	٠	÷		•	G	20

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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

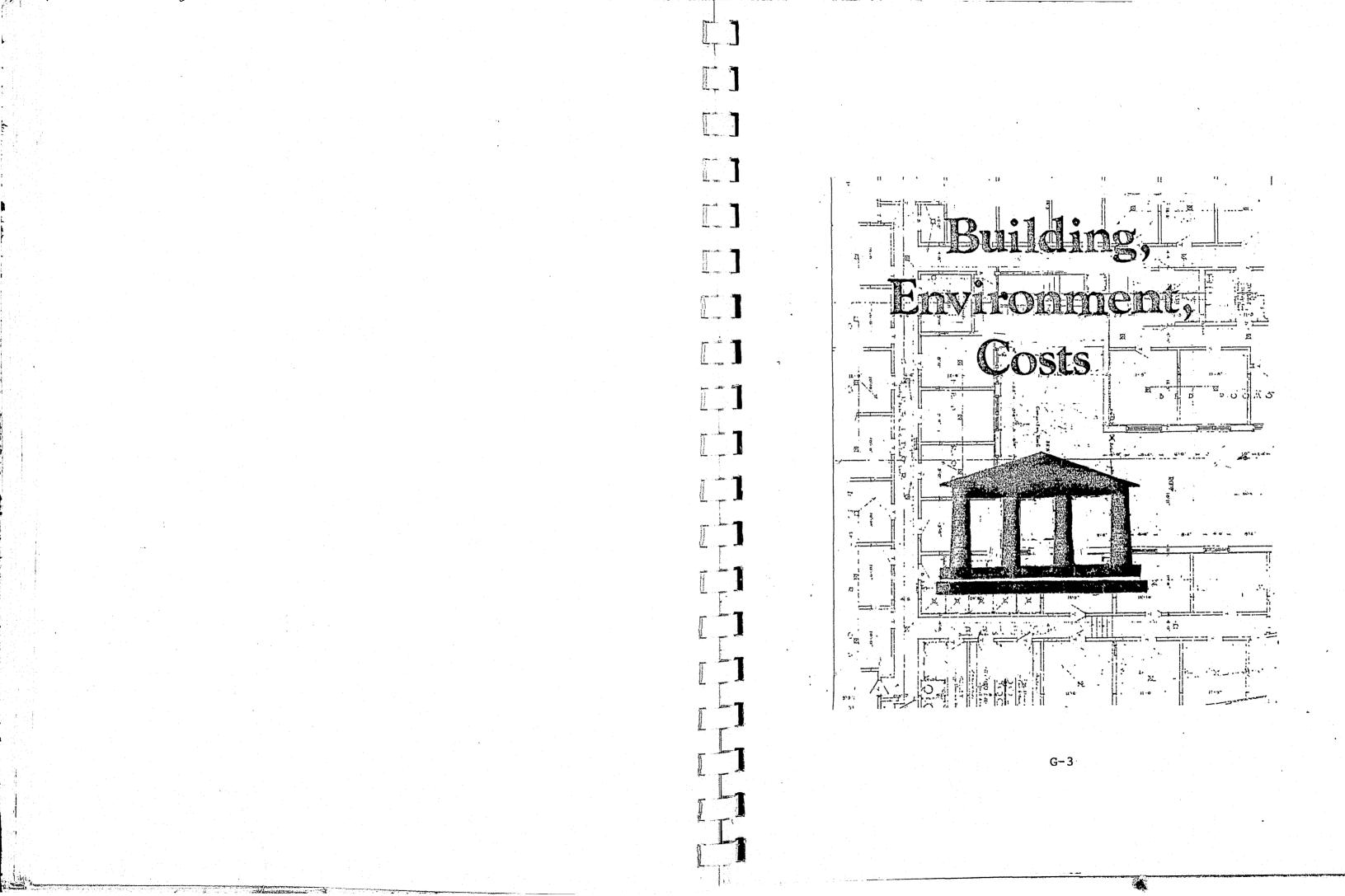
The main courtroom was recently renovated. New finish materials were installed, which upgraded the acoustics of the room. The acoustics of the room are now excellent.

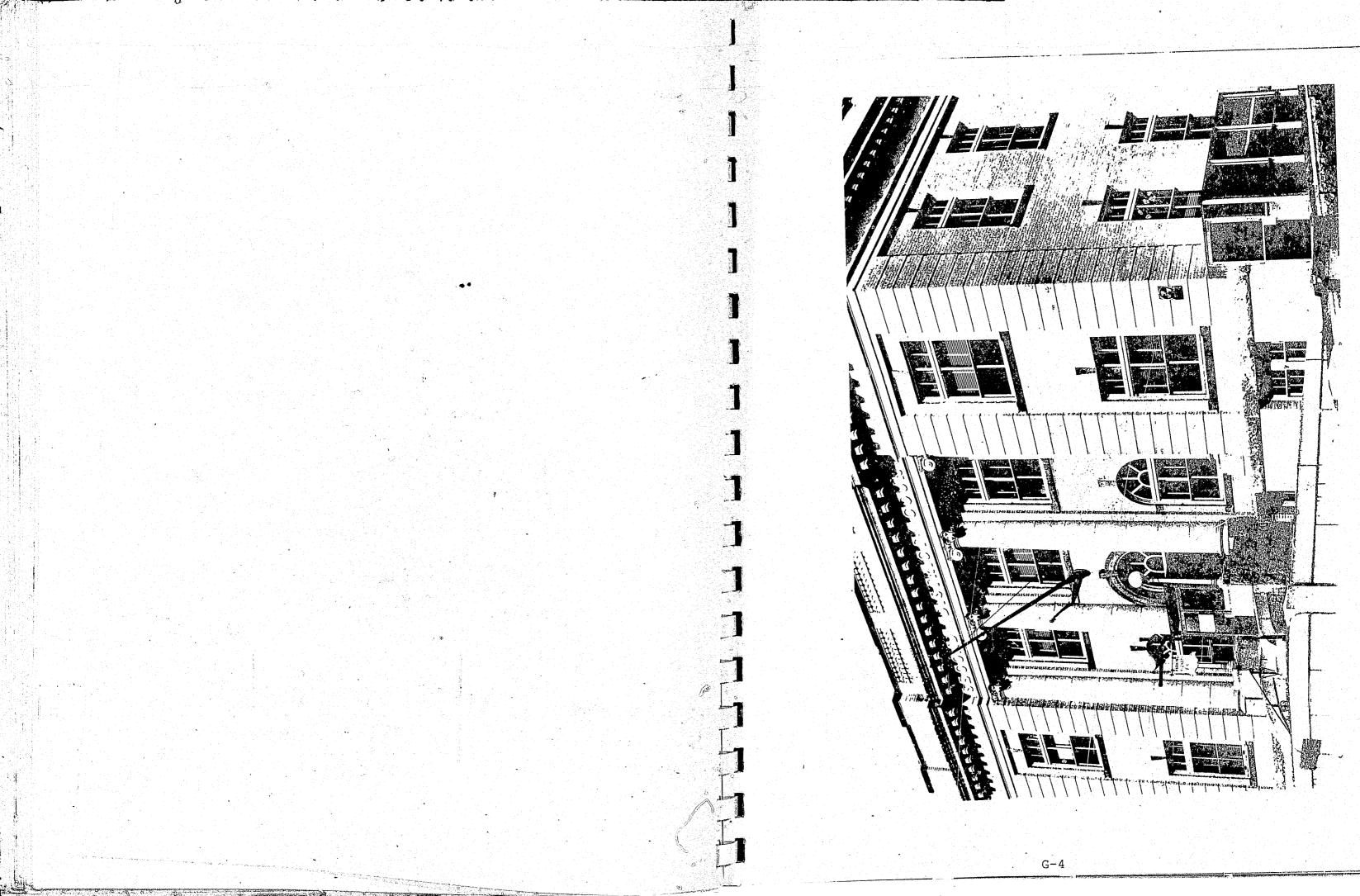
The room acoustics throughout the building are generally acceptable. However, in some places the background noise

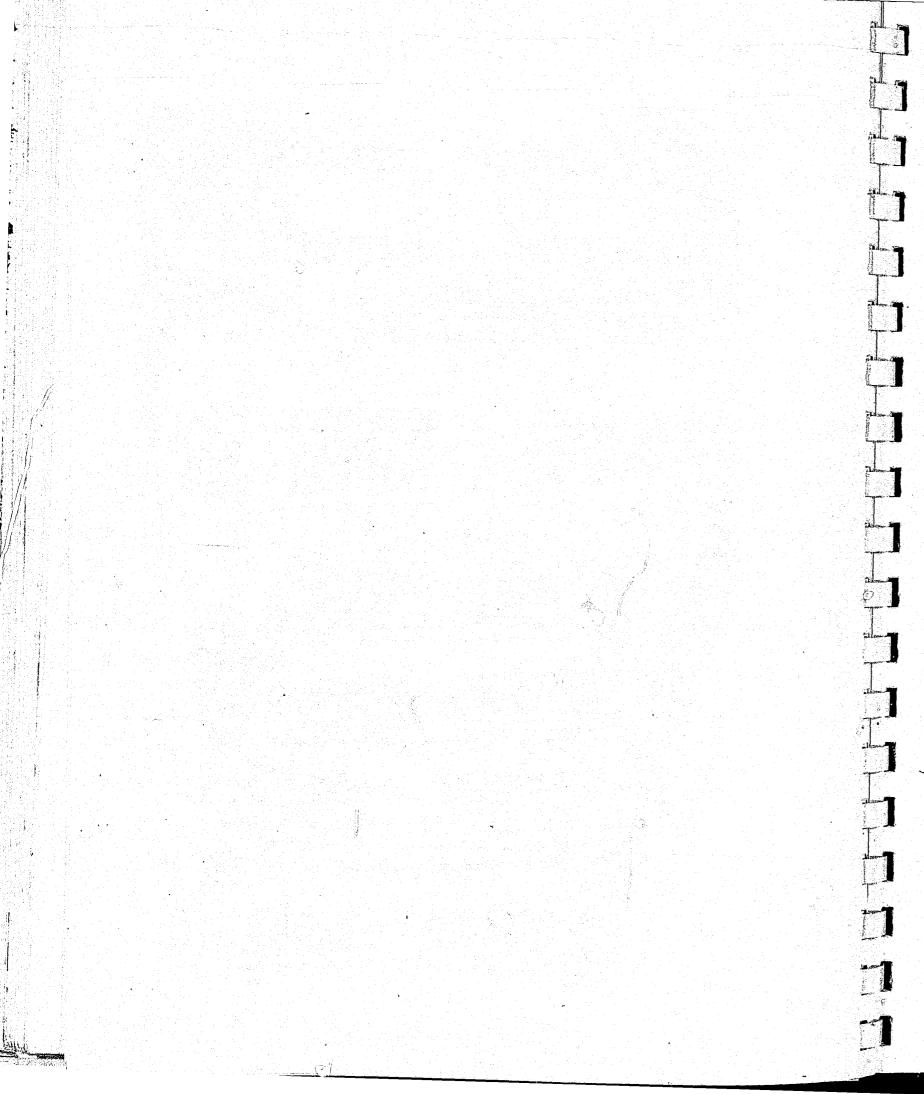
The lighting levels range from fair to good. In the

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.

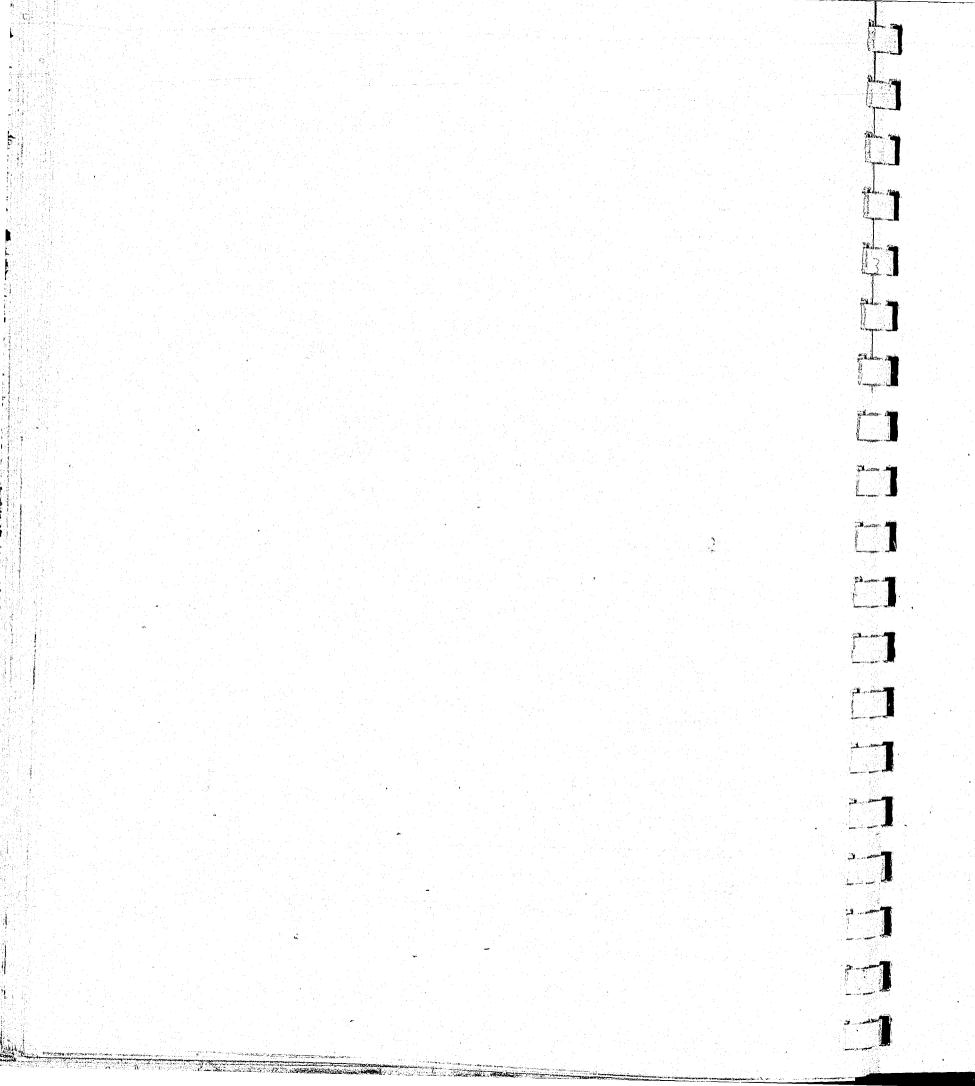
chusetts 1971 Census). shops and warehouses. Public Transportation Local buses serve Fall River; there is a bus stop nearby. facilities are inadequate.

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-

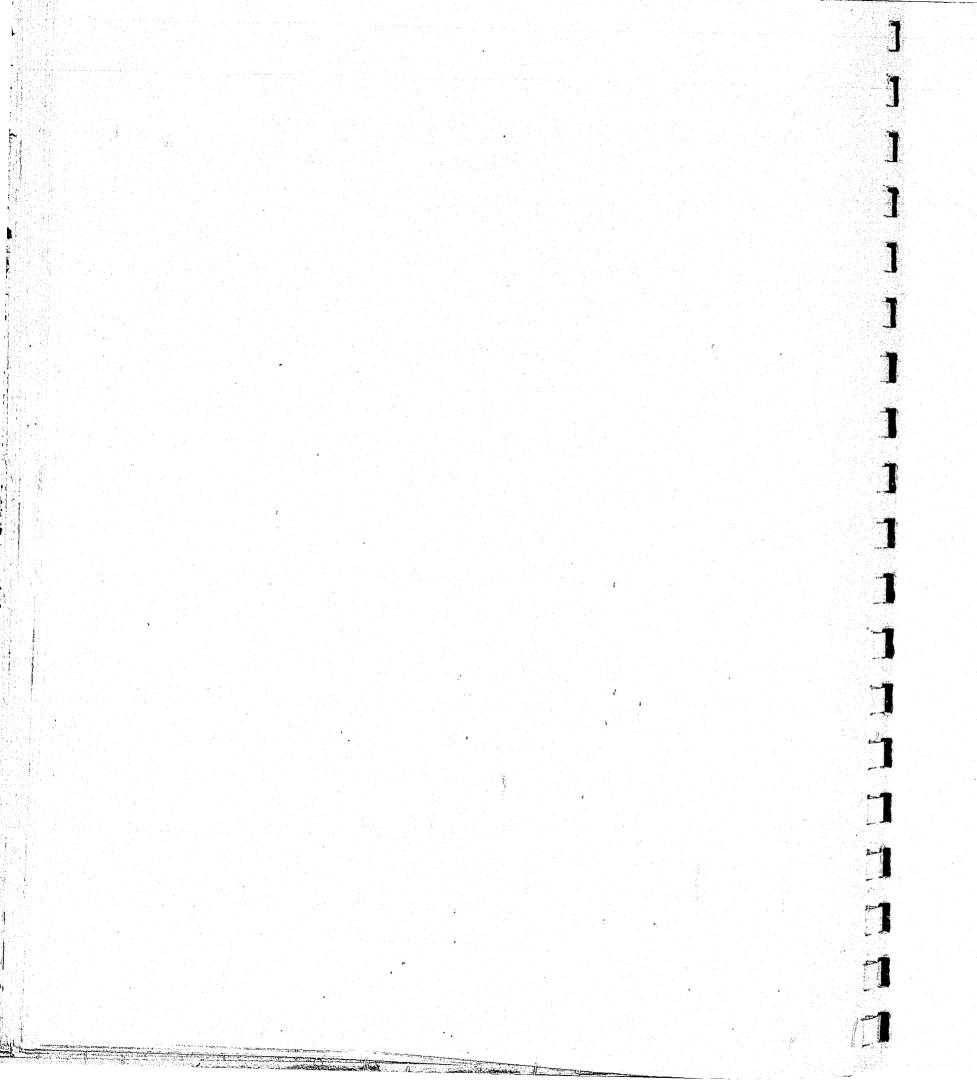
Neighborhood The court is located in urban surroundings and is adjacent to the police station and several small

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



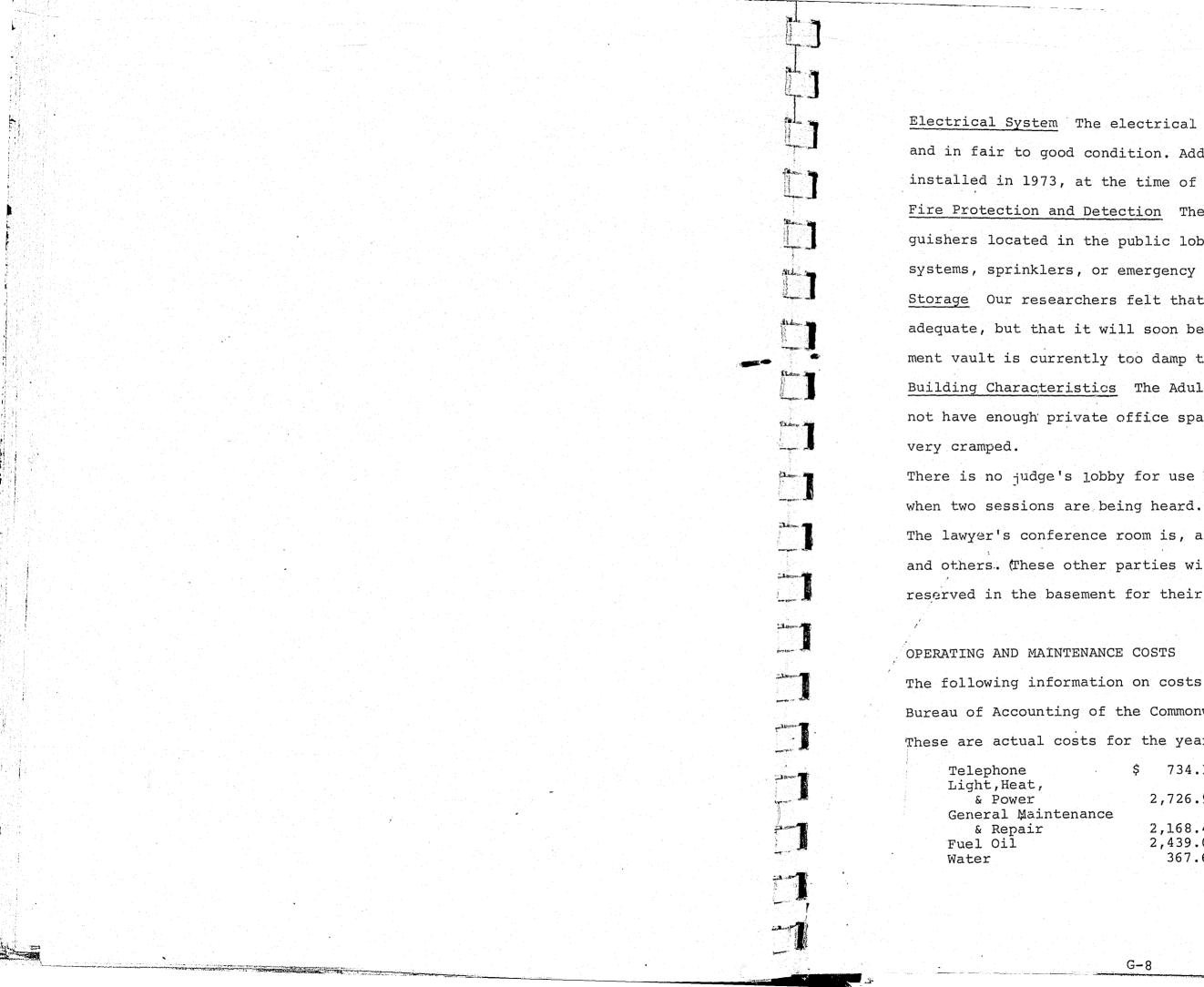
COURTHOUSE FUNCTIONS Schedule of Operation The courthouse is open from 8:30A.M. to 4P.M. Monday through Friday, and from 8:30 A.M. to 12 Noon on Saturday. The court schedule follows. Criminal cases : M-S Civil T, Th : Supplementary Process: Th Summary Process : Th Small Claims : Th Juvenile : Th Space 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

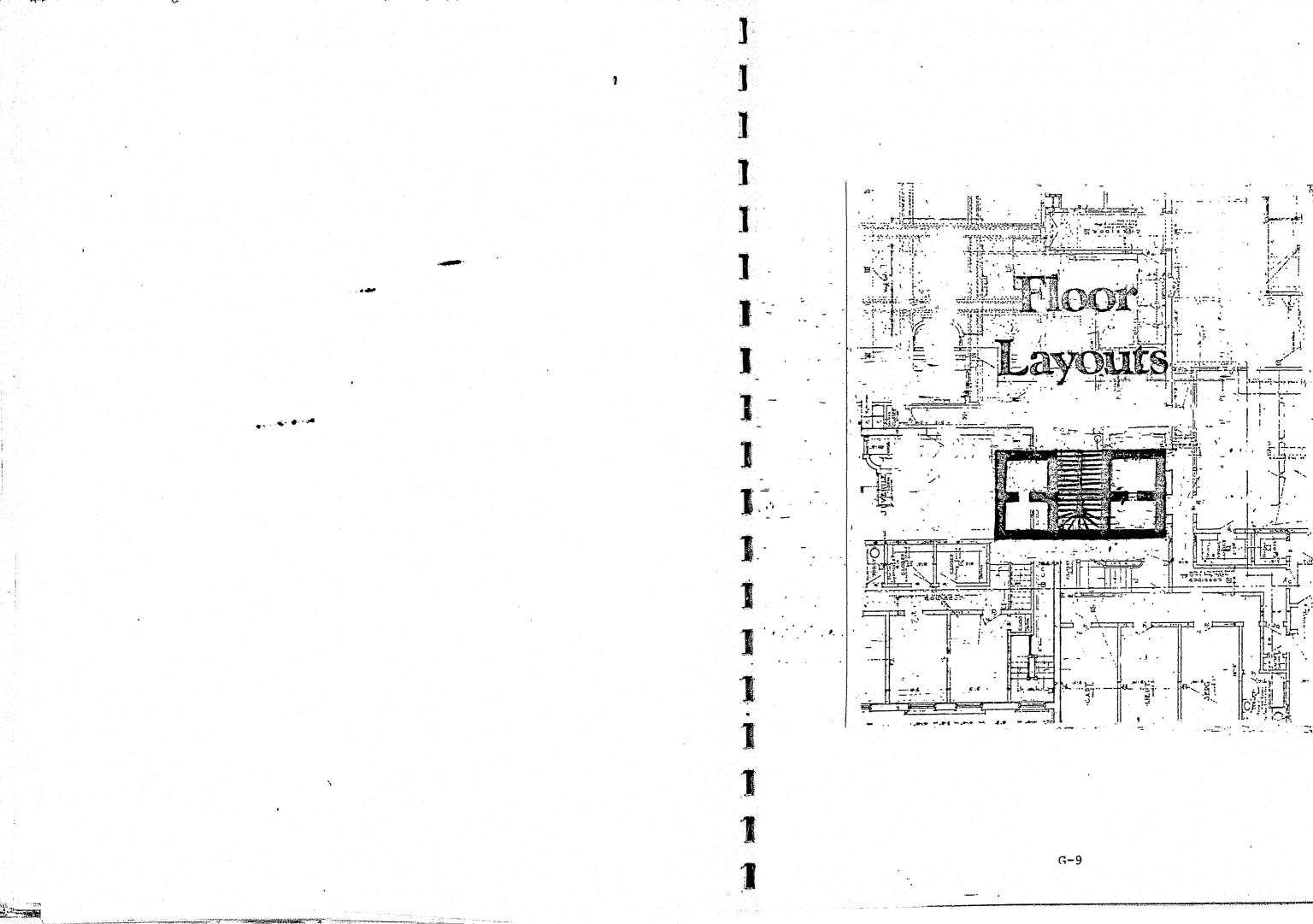
adequate, but that it will soon become cramped. The basement vault is currently too damp to safely store records. Building Characteristics The Adult Probation Officers do not have enough private office space, and are currently

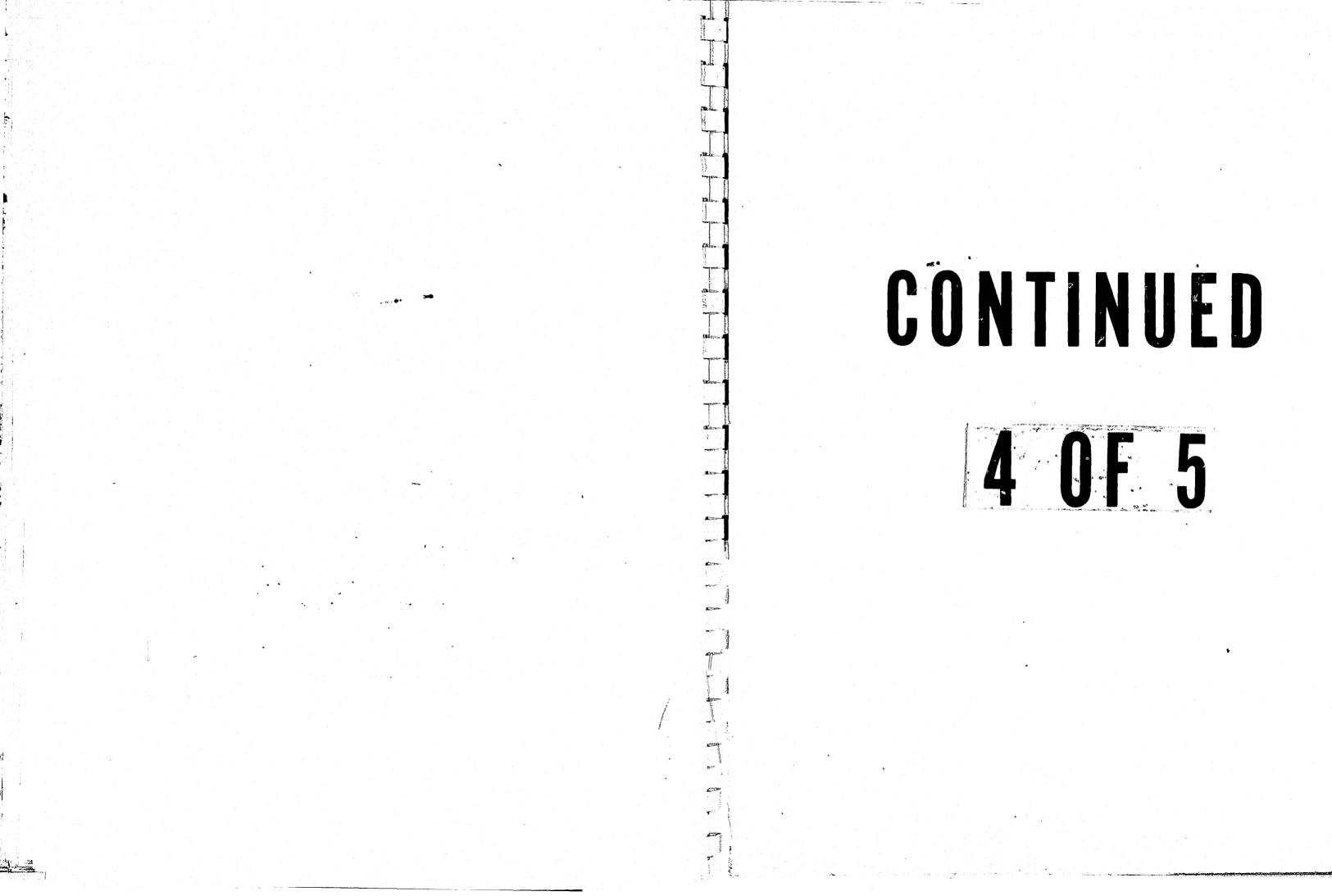
There is no judge's lobby for use by the special judge

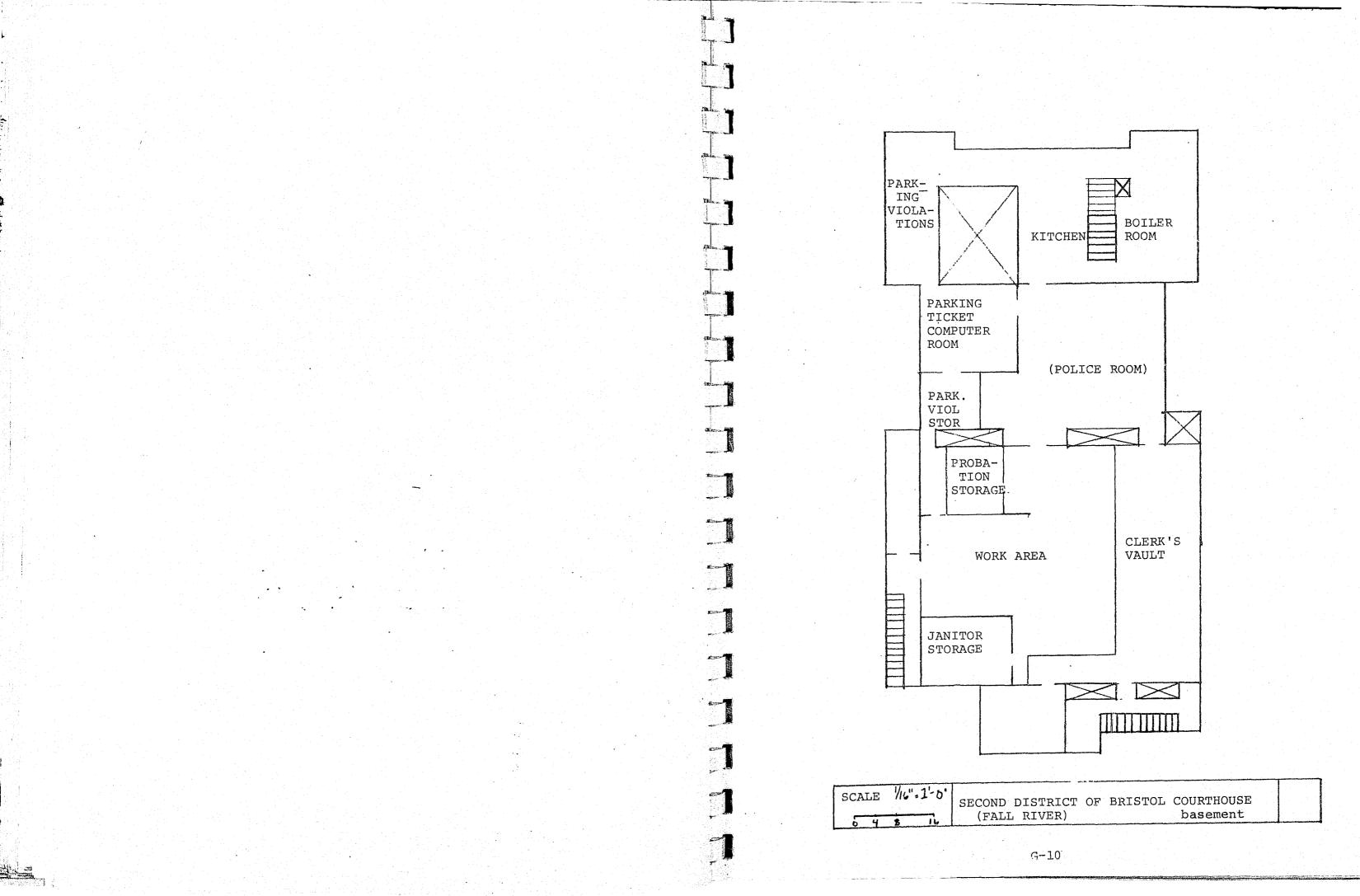
The lawyer's conference room is, at times, used by the police and others. (These other parties will soon have a room reserved in the basement for their use,

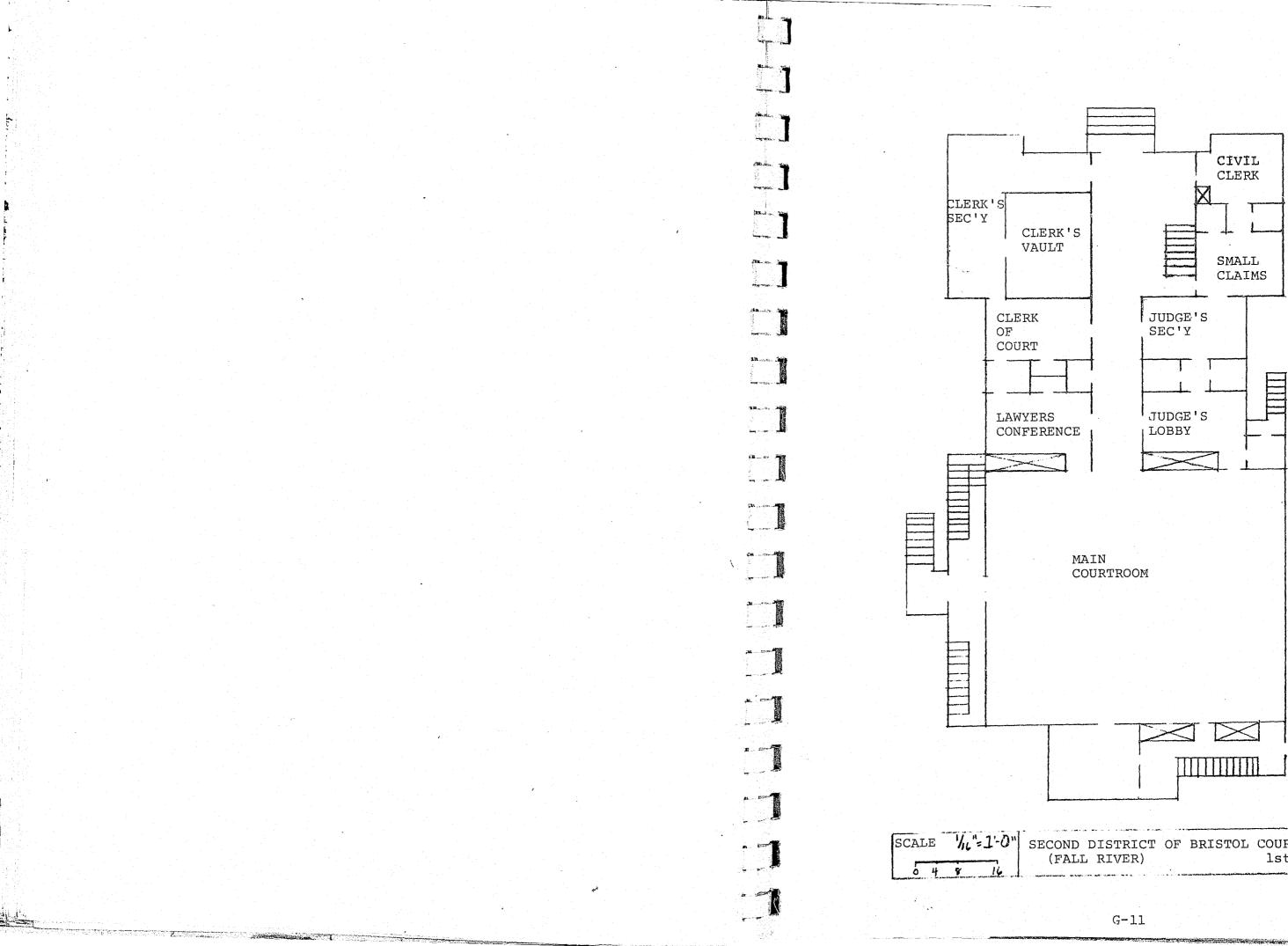
The following information on costs was obtained from the Bureau of Accounting of the Commonwealth of Massachusetts. These are actual costs for the year 1973.

•	\$ 734.19
	2,726.96
ice	2,168.42 2,439.08
	367.66

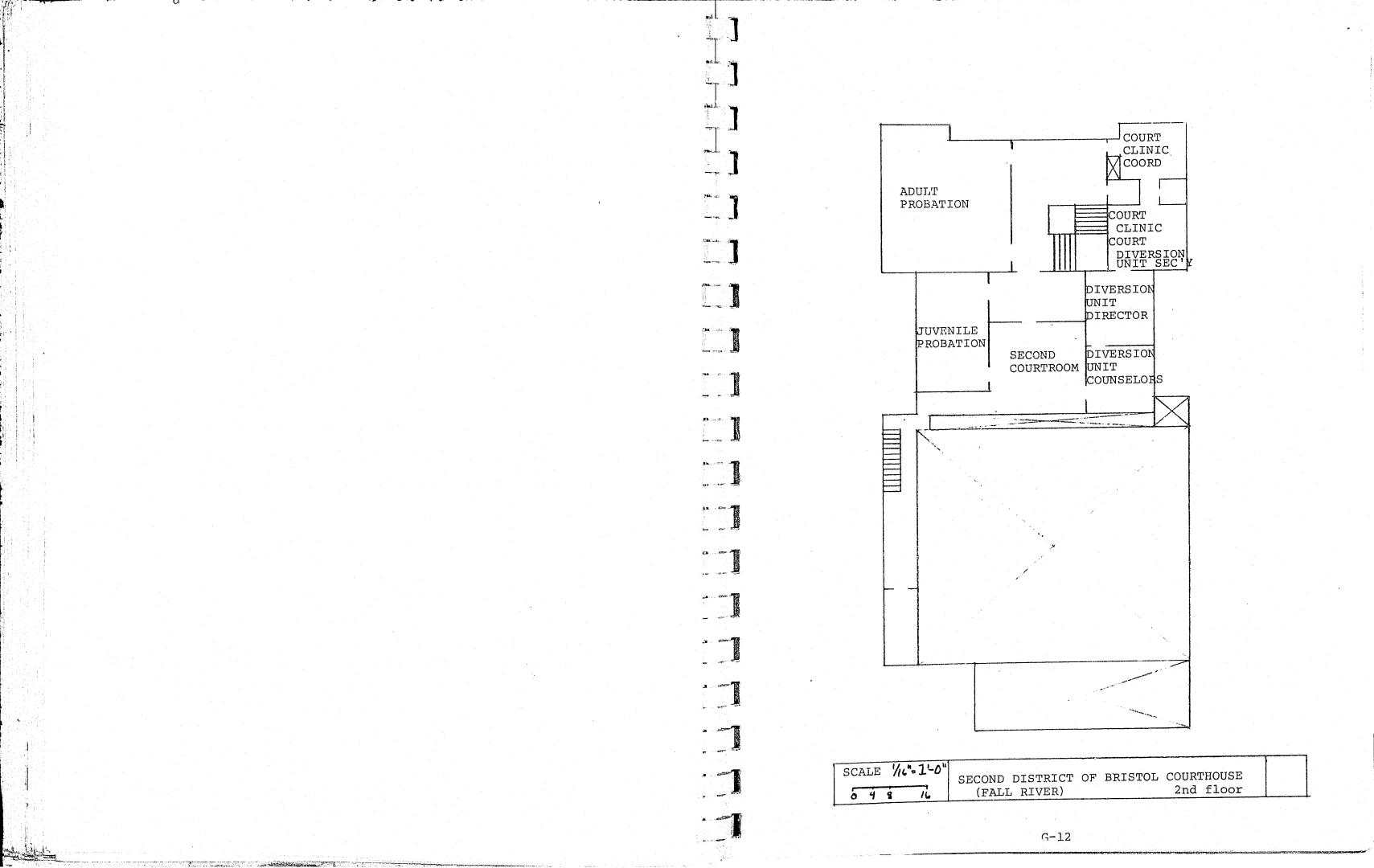


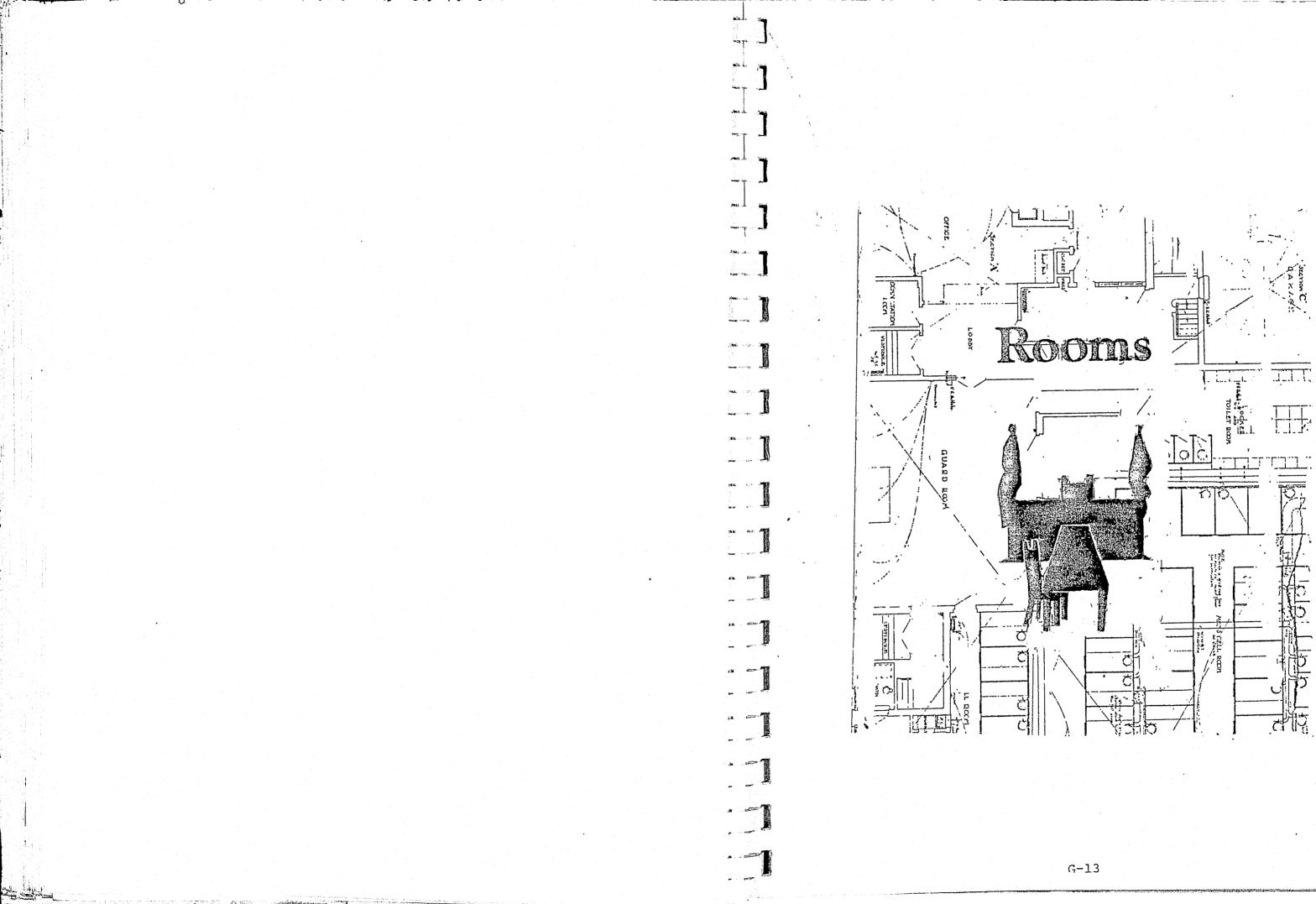






SECOND DISTRICT OF BRISTOL COURTHOUSE (FALL RIVER) lst floor





Criteria		•			·····							- 7 - K - 1		
i de la companya de l			•		· .		subjectiv	e evalu wing ra	ation of th ting scale:	e color	tone of th	ne room		
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	. <b>4</b> - 1			· · · · ·				
* <b>*</b>	•	• • •				·upon mean characte	Surements c	of ambie	ity of the a ent noise le echo and re	vel (db	cs of each	room is on rever	based berance	
Definitions -					•••••	· ·					cion cime).			
AREA 'Total floor area i	including w	/	ce cir			Ratin Acc		nation						
<ul> <li>storage in square feet.</li> <li>ACCESS The degree to whi</li> </ul>	•					1			Noise level ards for eac at or slight		everberatio function;	n time a flutter	re	
Symbol Explanatic	<u>n</u>		· · · · · · · · · · · · · · · · · · ·				N Unacce feres	ptable: with ro	Noise lev Dom functio:	el exce	eds standa	rd or in	ter-	
Pub Public: A Prv Frivate:	Access is a	oartial1	v rocty			Uni	teveri	ptable: peration	Notication time.	e flutt	er echo or	excessi	ve	
doors, cour	iters, or g	raphics	• *				IR Unacce	ptable:	Both Un N	and Un	R			
Sec Secure: A or locked	40013.					Tupe: Ro	fers to to	De of 1	ionthe state					
NUMBER OF USERS The estimate and spectators, based upon	Nated seati	ing capa Eurnishi	city of	a roo	n for user	5 (· I-I	ncandescen	<del>+</del>	ight fixtur		he room. n incandesc			
FINISH	,					F - F Level: R	luorescent	the see			fluoresco	int		
<u>Materials (Mat)</u> :						footcandl	est and the	0.0000	ted street	asured	t in the ro light level	om are s (in		
Fregirae Codes		-			•	for the f <u>Rat</u> ing	unctions po		d in the roo xplanation	om.*	THE LEGHT	eaents		
p - painted ABT - Asbest g - glazed AP - Acoust t - textured AT - Acoust	ic Plaster	CK - C CRT - C	eramic	Tile :	5 - Stone 5A - Sound	Good	Light 1	levels	for all fund pted standa	ctions (	of the room	exceed		
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>	
Rating Explanatio	· · · · · · · · · · · · · · · · · · ·					Symbol	ing, ir pro	sent, 1	planation	•			•	
Good Condition of su preventive main	rface show tenance is	s no sic suffici	yn of da ient to	mage. mainta	Continued in this	N C	No air	conditi	oring prese	nt.				
Fair Condition of su	rface indi					. w	Vindow	air con	nc_tioning. ditioning u	nits.				
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	••••		
Poor Condition of su	rface india	astor as		mage.	Large	(n) W_	Indicate units Wo	s multi uld be	ple window entered as	units,	(e.g., 3 w	indow		
scale corrective complete loss of	f the fini	nce is p sh.	ecessar	У, со р	rovent.	. ž				(5) W.	· • · · · ·	· · · · · · · · · · · · · · · · · · ·		
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* Refer to technical info	ormation se	ection f	or furt	her exp	lanation		•						<u> </u>	
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ROOM	AREA (sq. ft.)	ACC-	1	Mat	[	Tone Wind Mat	1,		tCondtn	<u> </u>	ACOU-			3

Kitchen 280 PUB 1130 PUB Work Area

NOT YET CONSTRUCTED

Police Room

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G-14

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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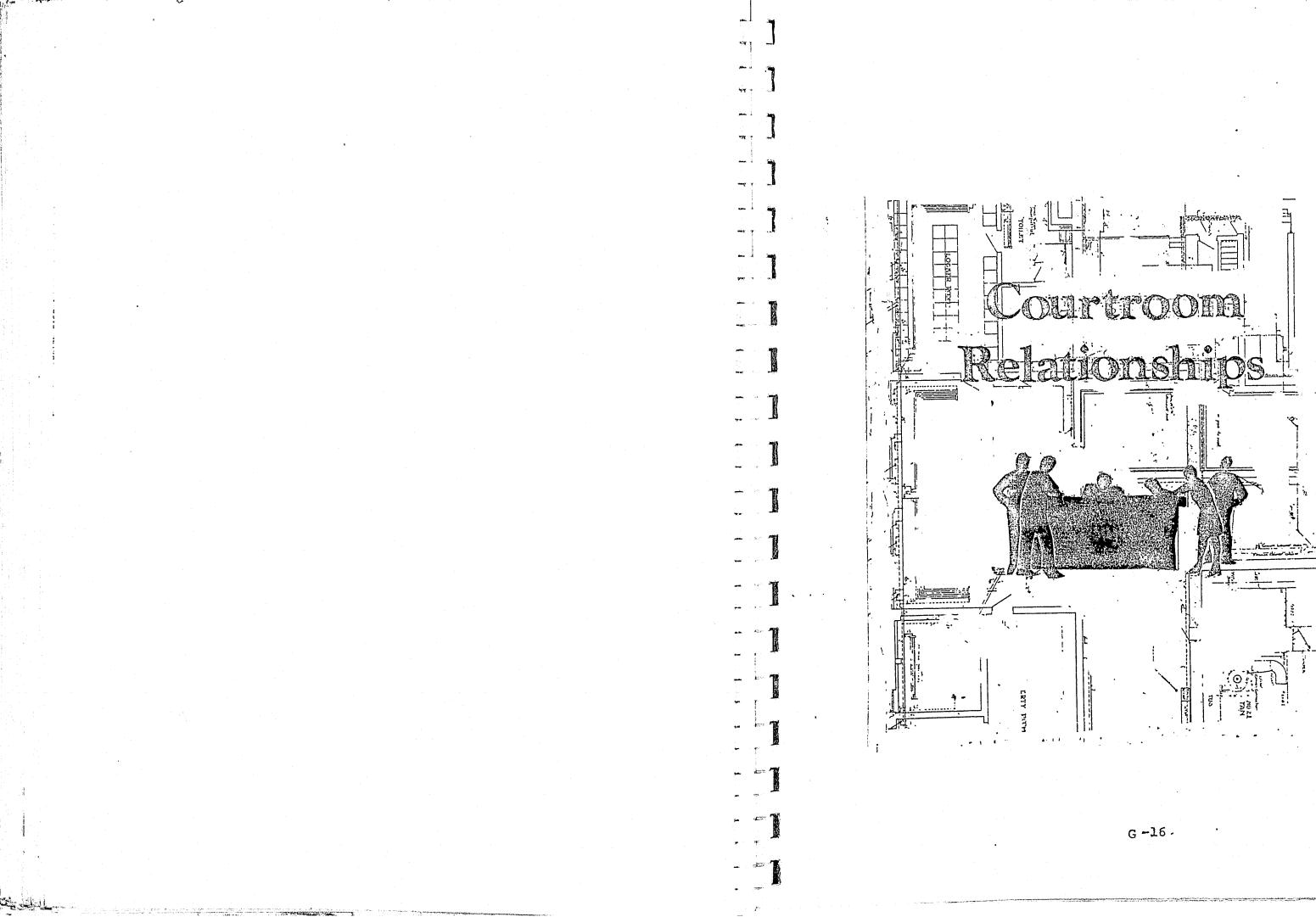
Criteria	<i>Tone:</i> A subjective evaluation of the color tone of the room based on the following rating scale:
ourtrooms, offices, hearing rooms, secretarial areas, conference ooms, libraries, lounges and detention facilities are surveyed for ll of the information in the table on the facing page, guare 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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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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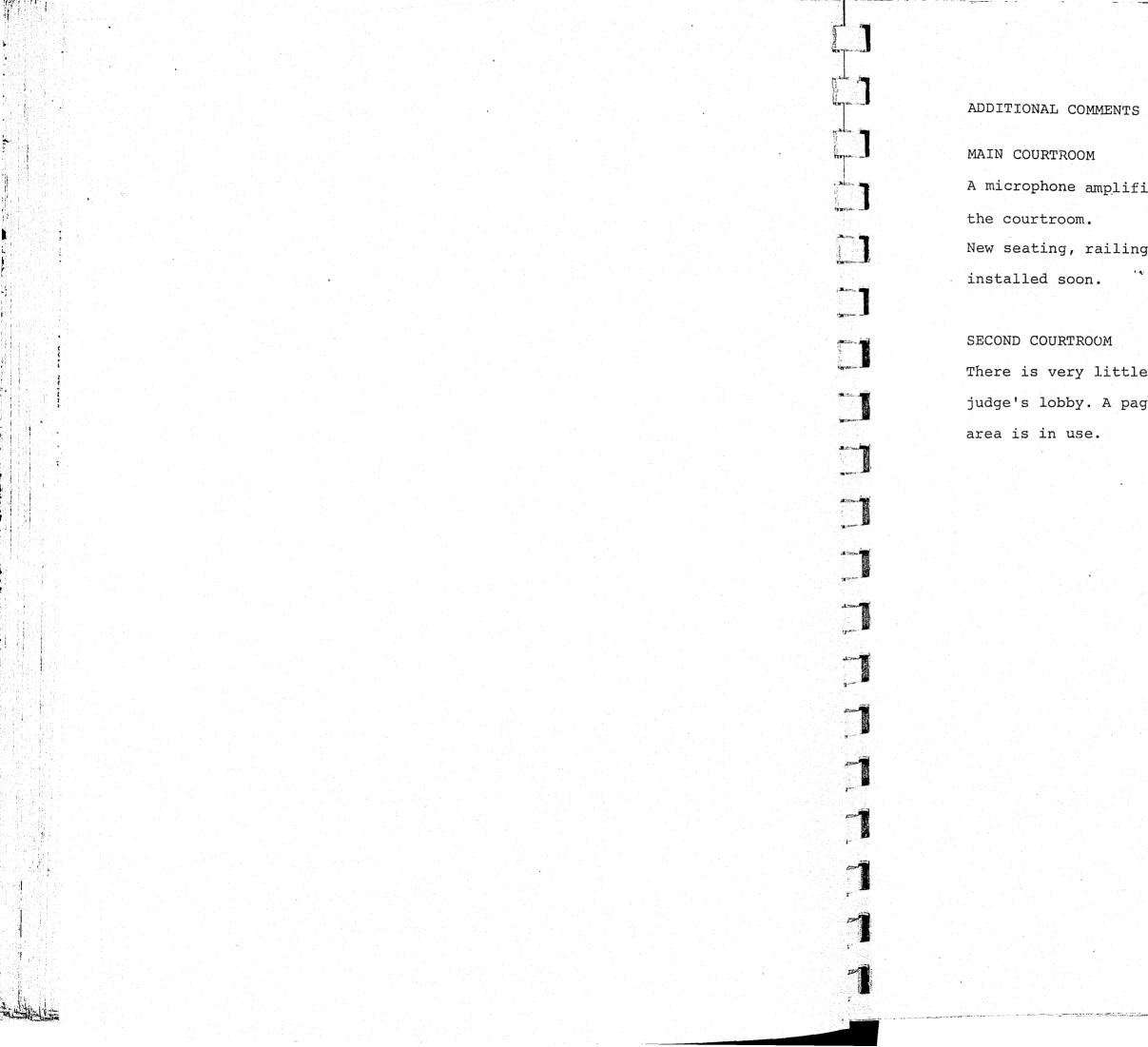
their usual locations

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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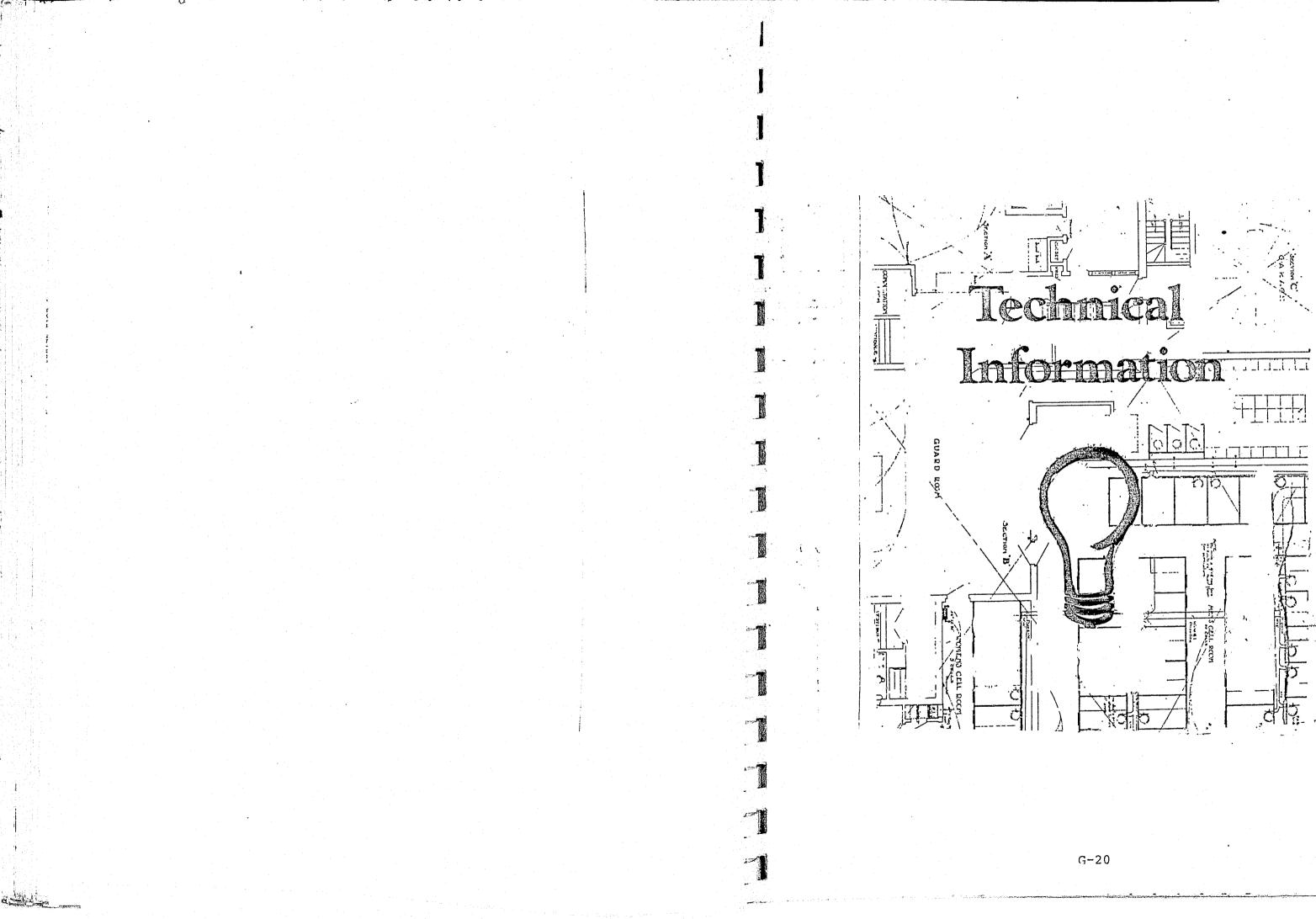
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A microphone amplification and recording system is in use in

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
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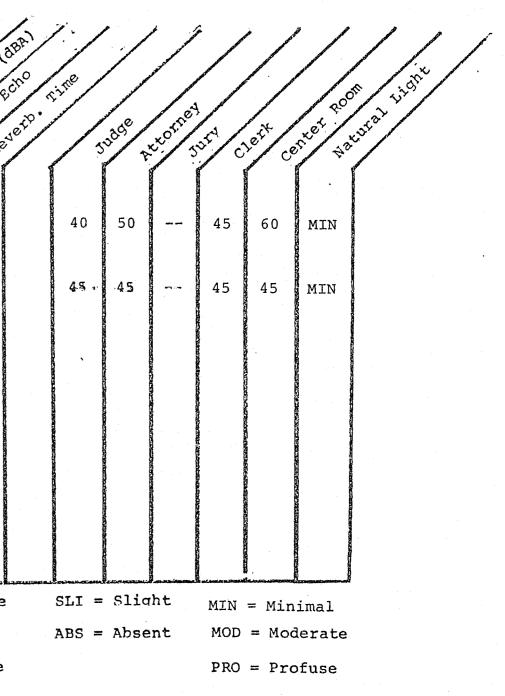
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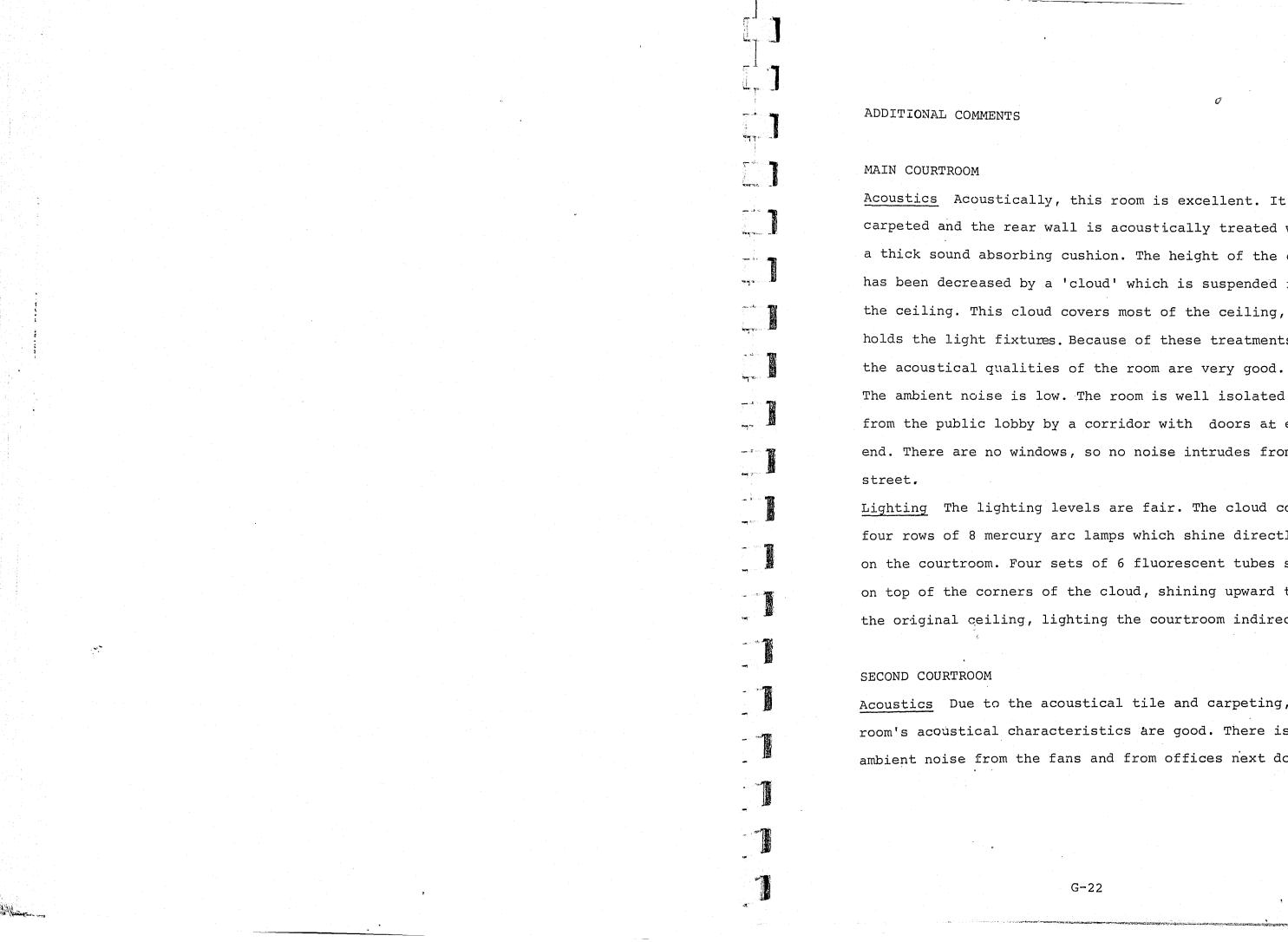
ACC = Acceptable

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.

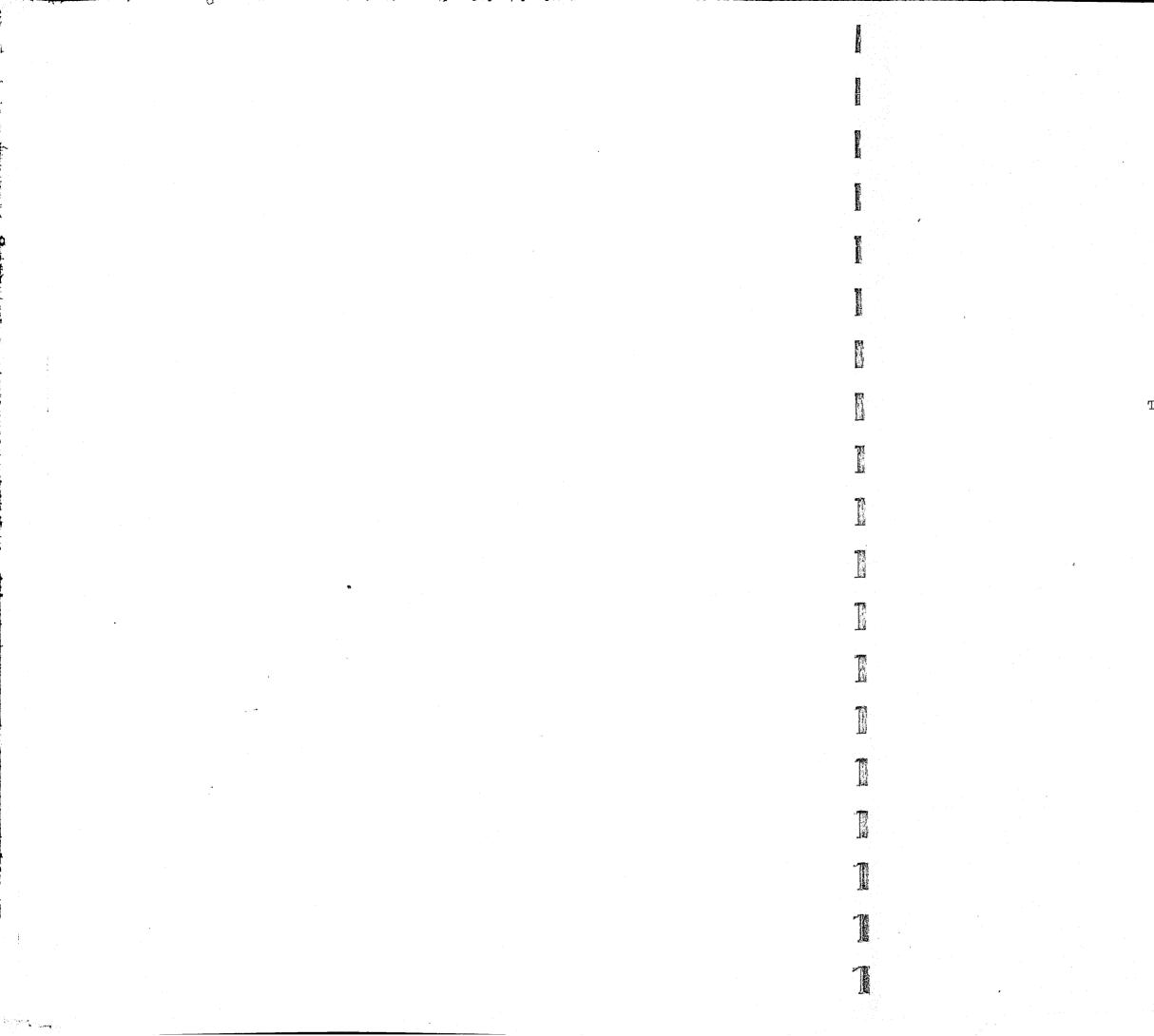
Acoustics Due to the acoustical tile and carpeting, this room's acoustical characteristics are good. There is some ambient noise from the fans and from offices next door.

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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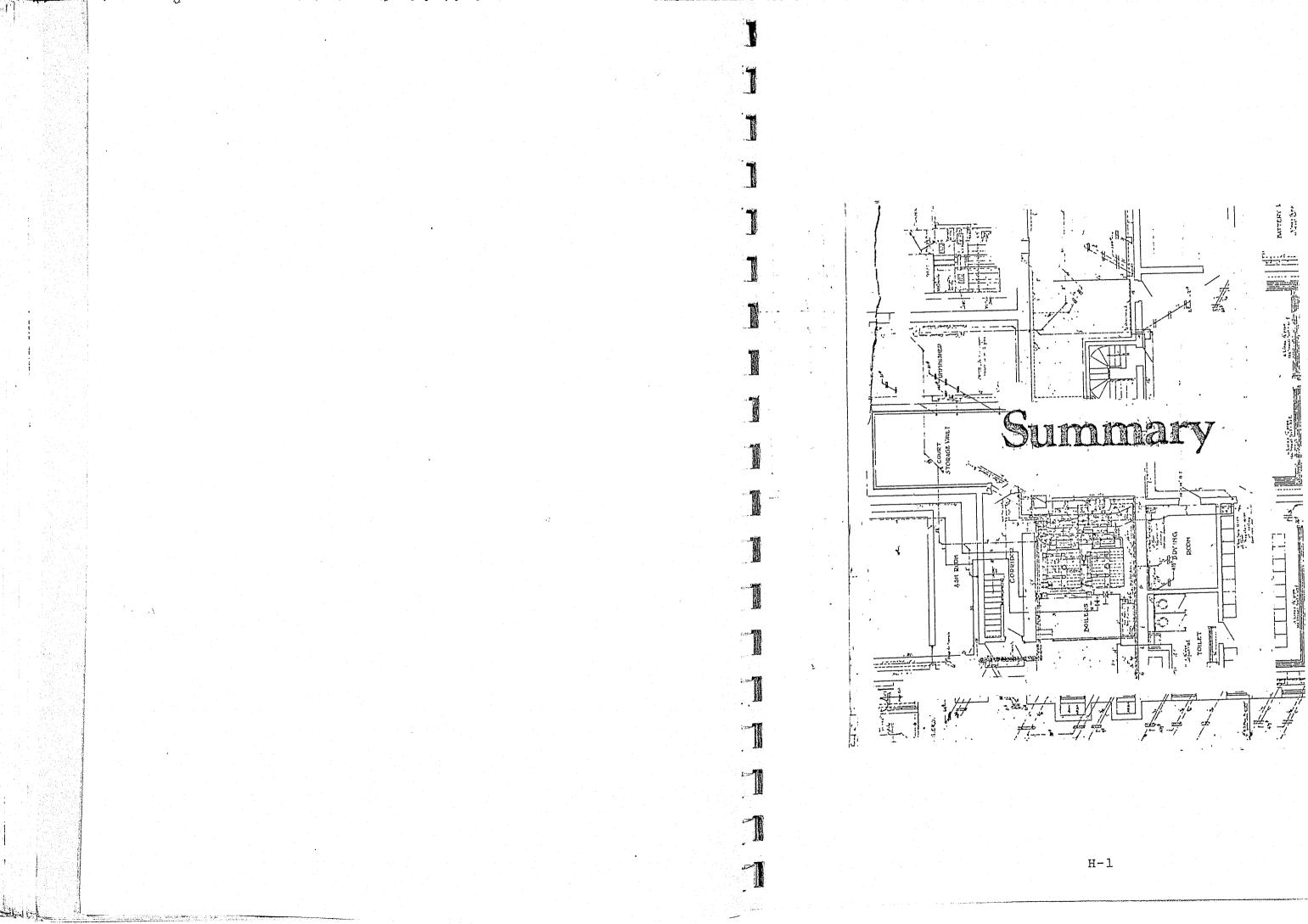
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The New Bedford District Court is in poor condition. The structure, building systems (heating, electrical and plumbing), and finish materials are in fair to good condition. However, many very important space deficiencies exist, making the court's present 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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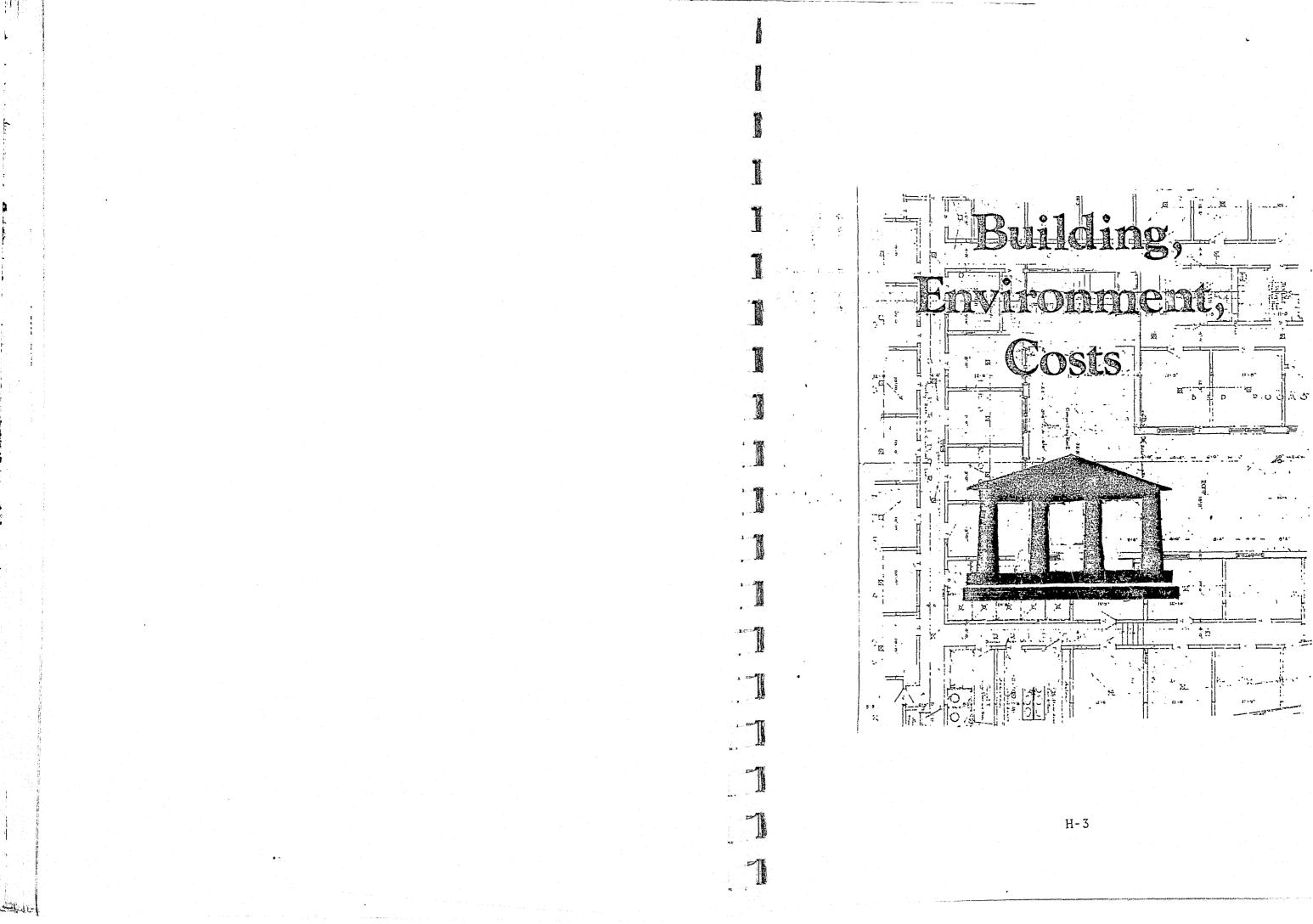
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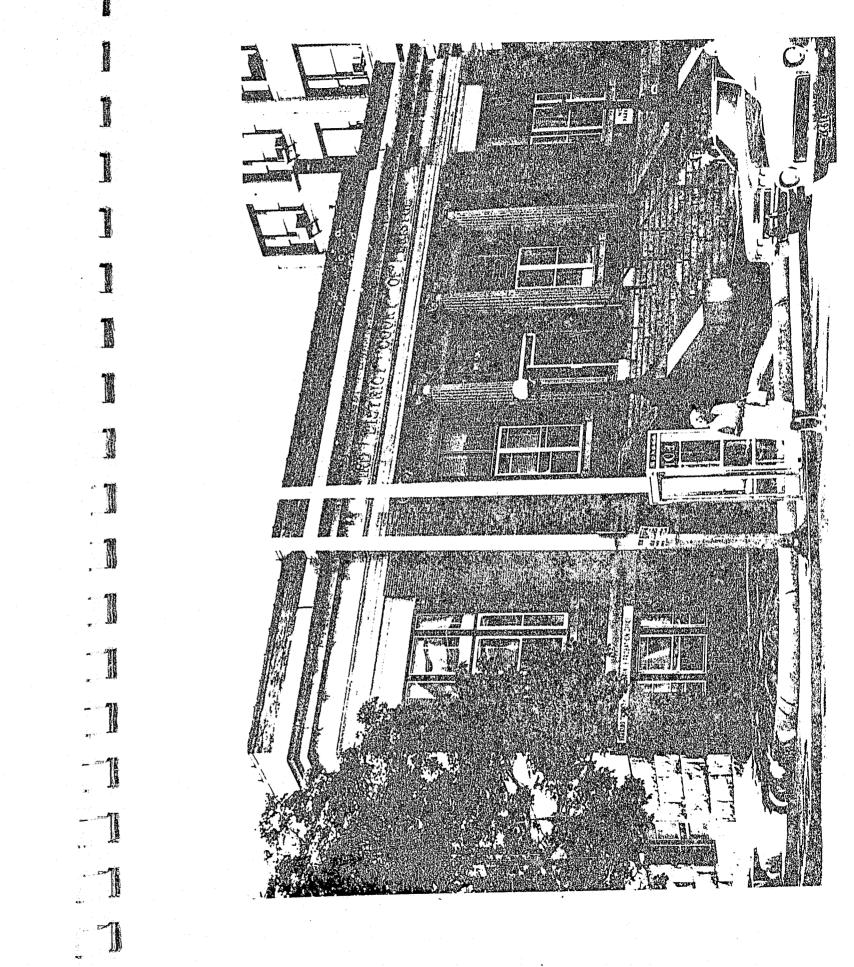
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Interview with Mr. Joe Lopes, Custodian, New Bedford District





### 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.

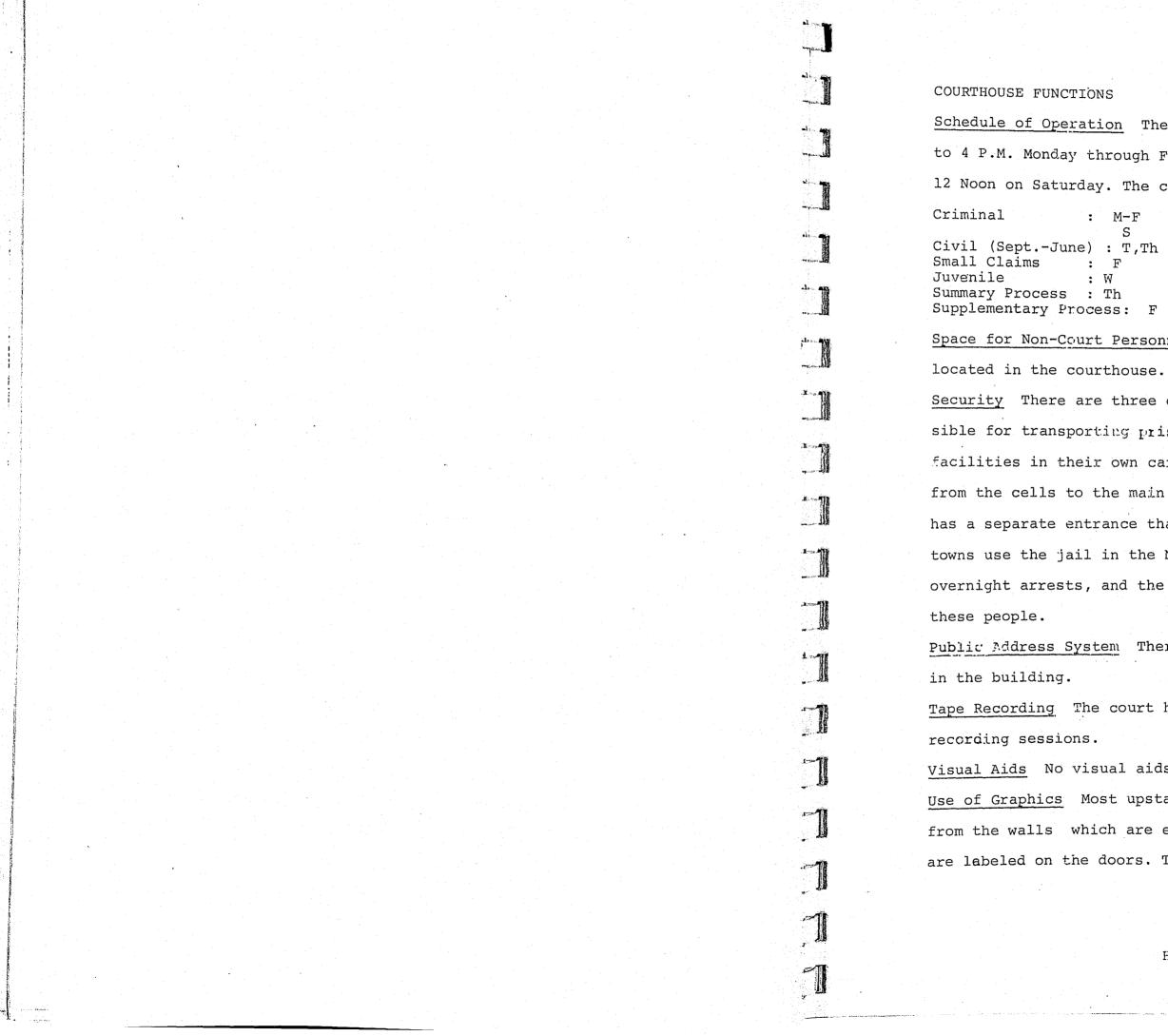
ing the courthouse are quite busy. public.

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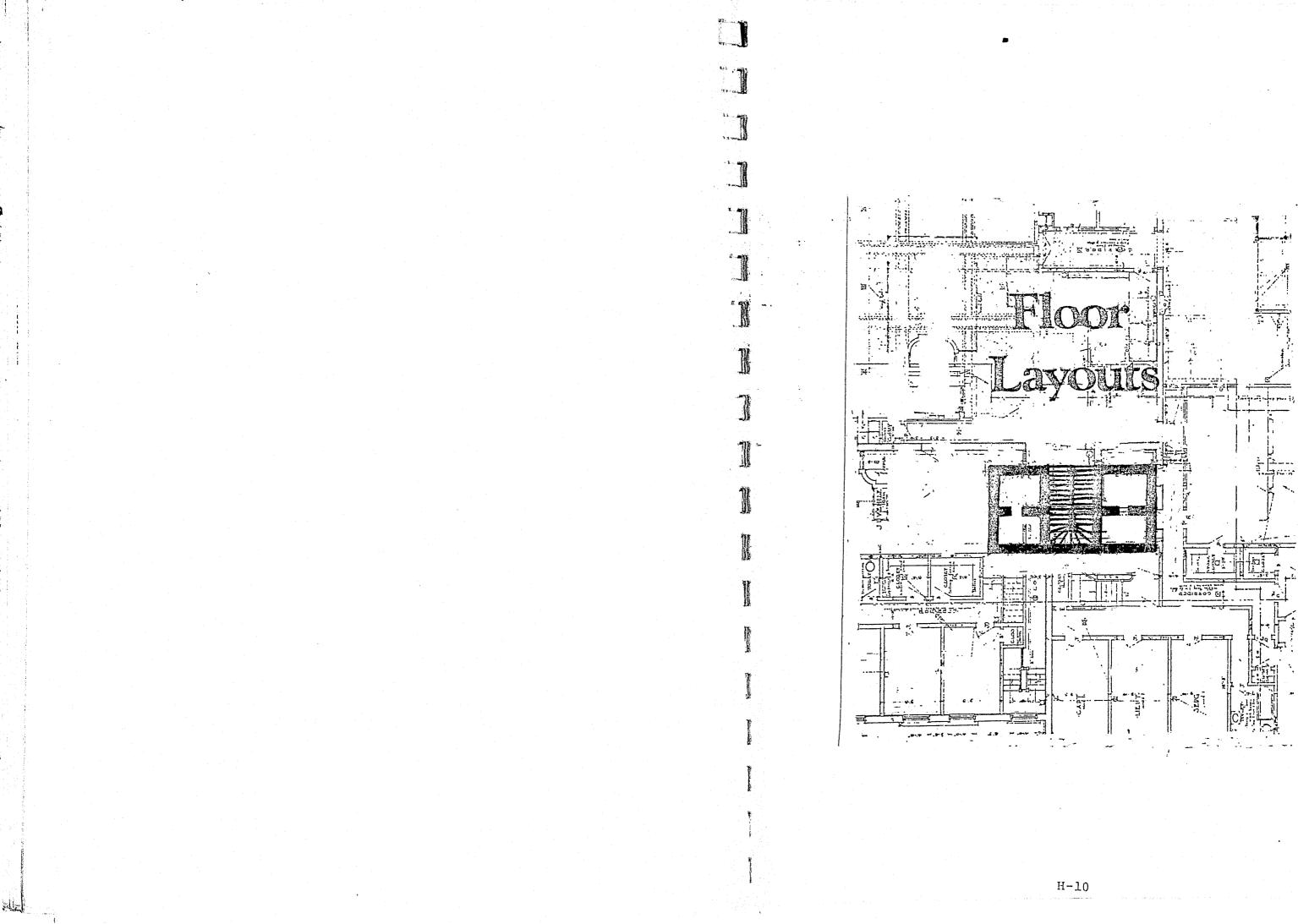
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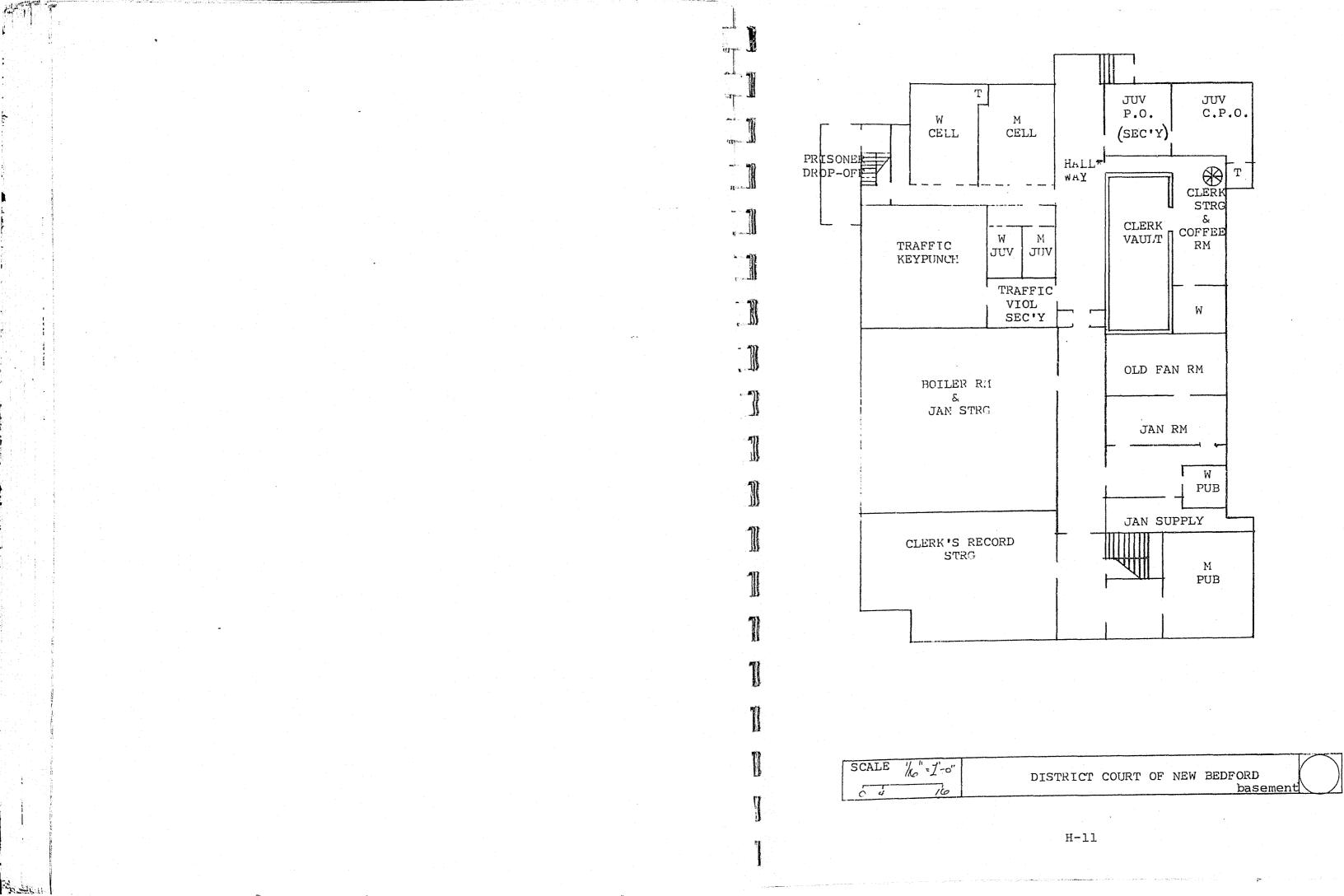
Registry of Deeds Building. The Adult Probation Department will take over the room now used by the Clinic, and this will alleviate some, but not all, space deficiencies in that department. ۰,

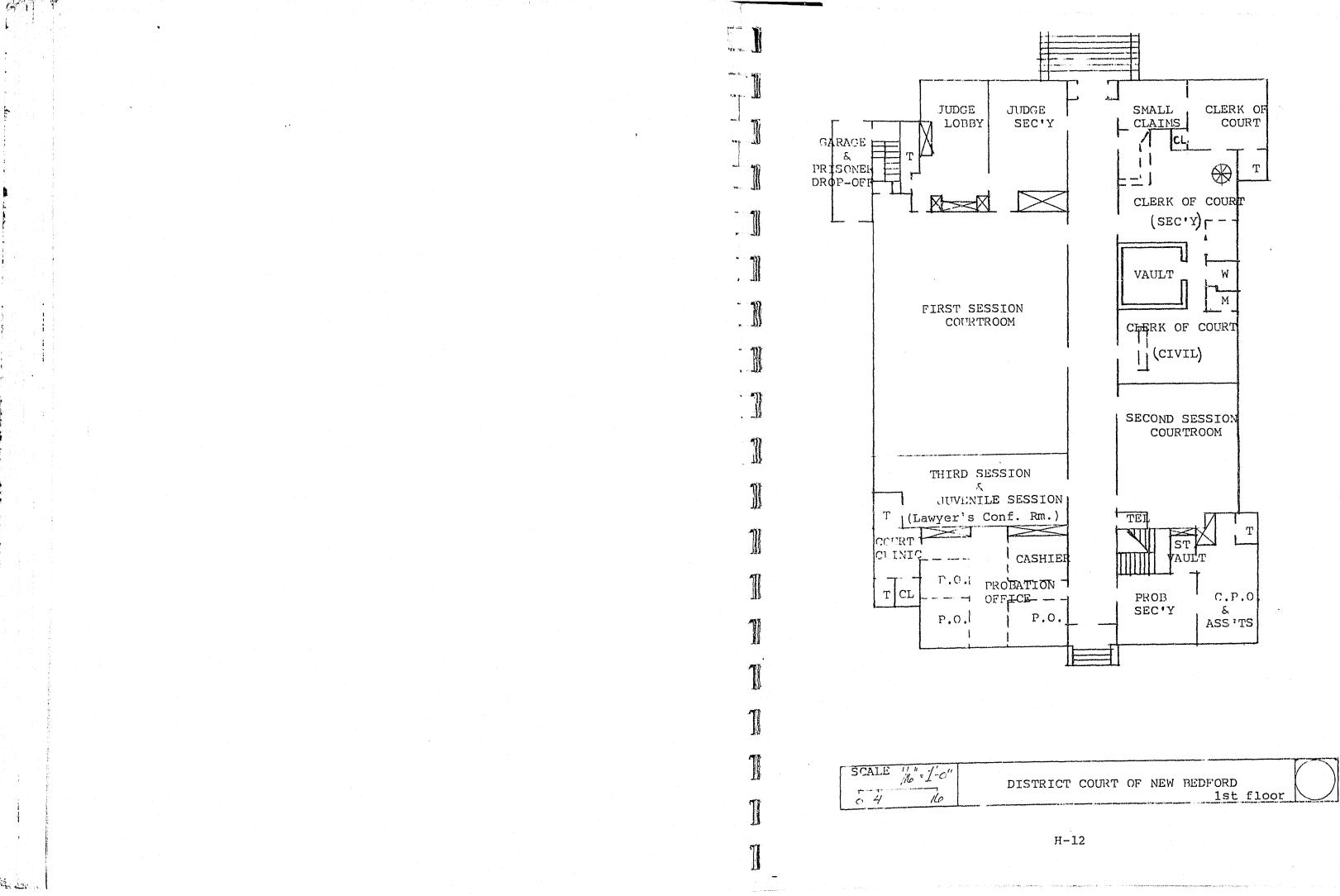
OPERATING AND MAINTENANCE COSTS The following information on costs was obtained from the Bureau of Accounting of the Commonwealth of Massachusetts. These are actual costs for the year 1972-73.

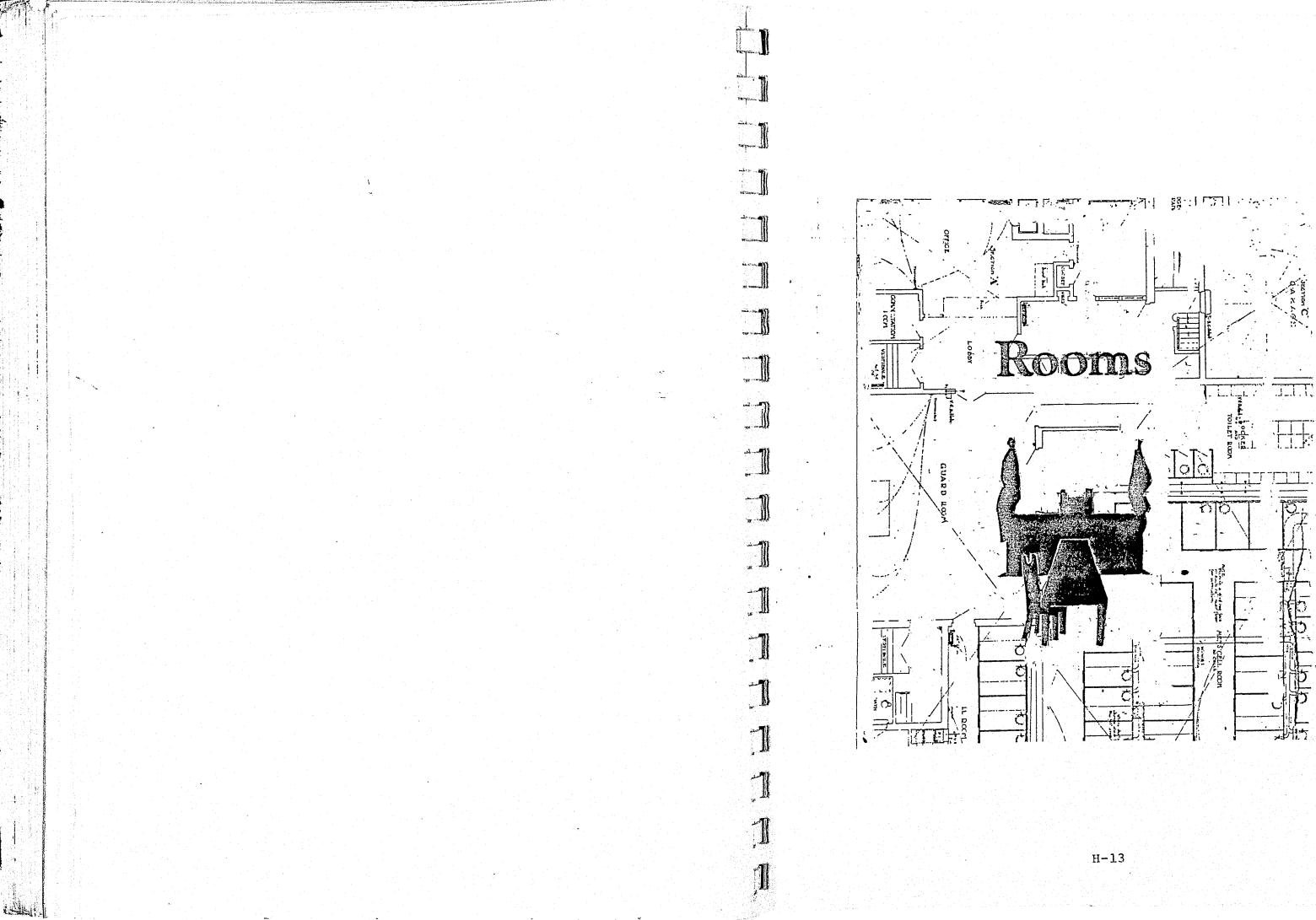
Light, Heat & Power General Maintenance & Repair Fuel Water

\$ 3,141.53 4,595.13 1,555.86 80.00









#### 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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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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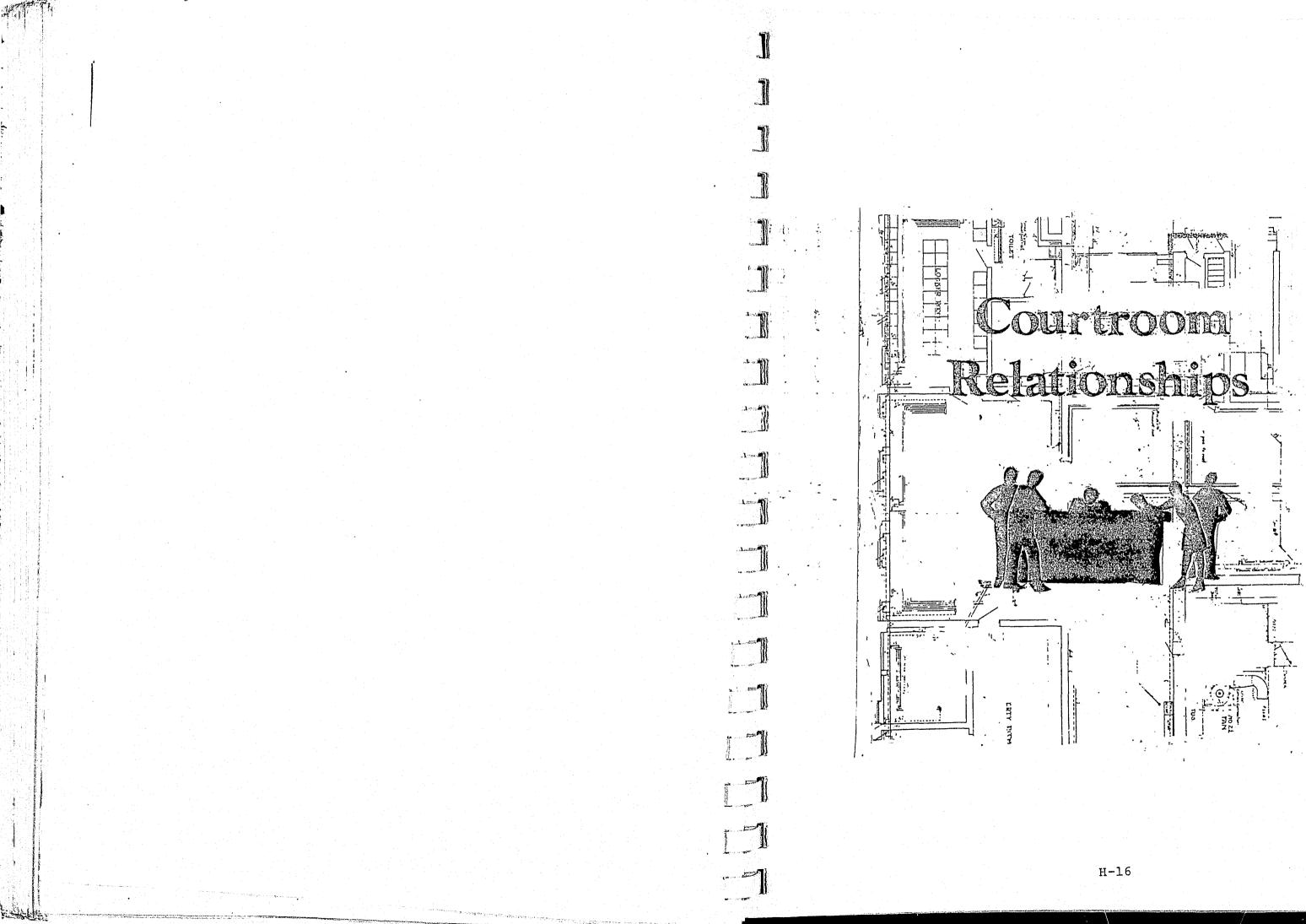
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	P.O.'s & Probation Cashier	660	PUB, PRV	17	pР	GOOD	4	10	С	GOOD	pР	GOOD	15'	UnN	F	GOOD	2W
	Court Clinic	100	PRV	3	pР	GOOD	3	10	С	GOOD	AT	GOOD	10'	UnN	F	GOOD	lW
	Juvenile session & 3rd Session	500	PUB	28 I	P/BC WP	FAIR	2	1	v	FAIR	АТ	GOOD	15'	UnN	F	POOR	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>		



			*•	
		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 <b>.</b>	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
	<b>T</b>	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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desk.

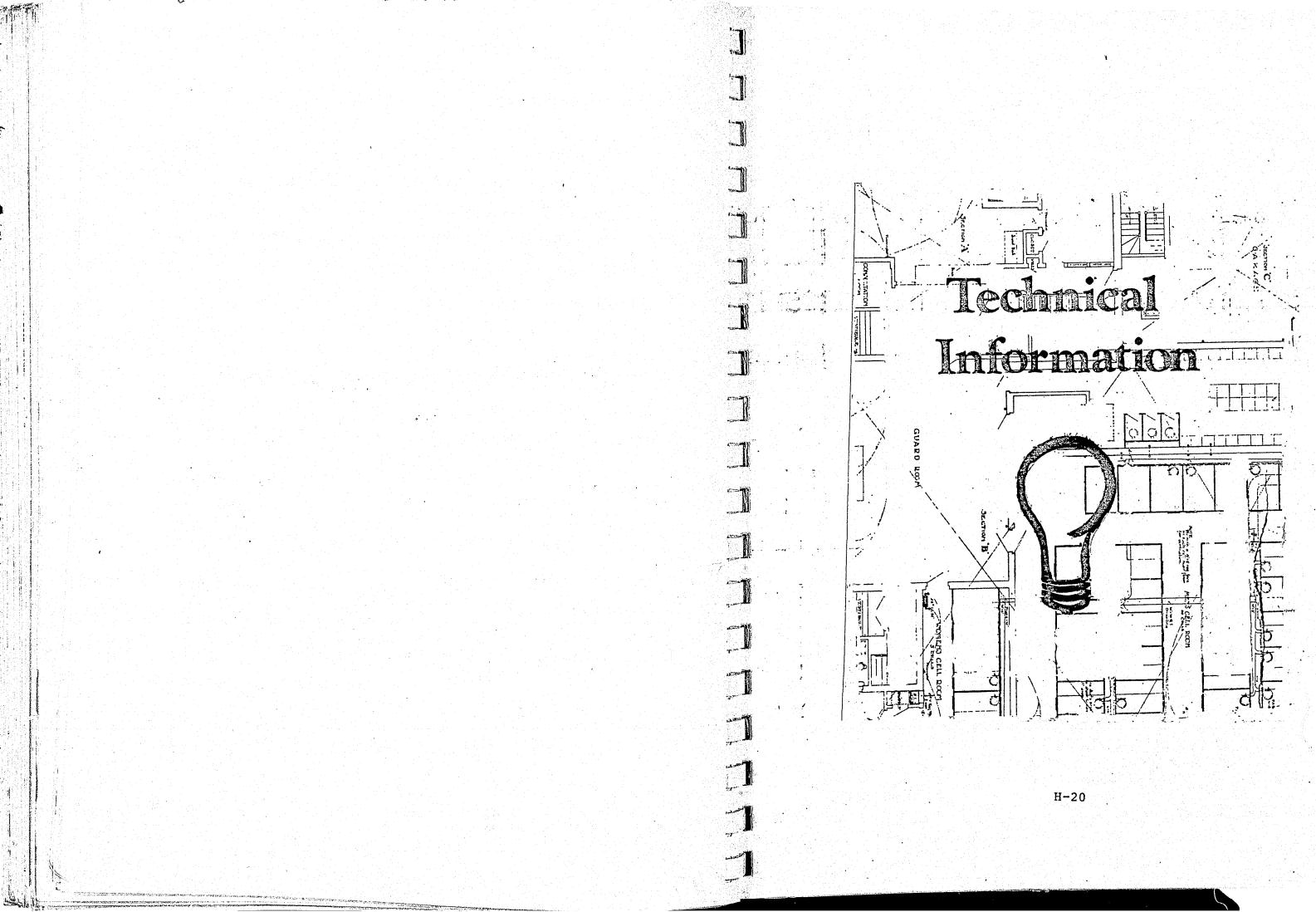
## THIRD SESSION

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	<b>.</b>	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.

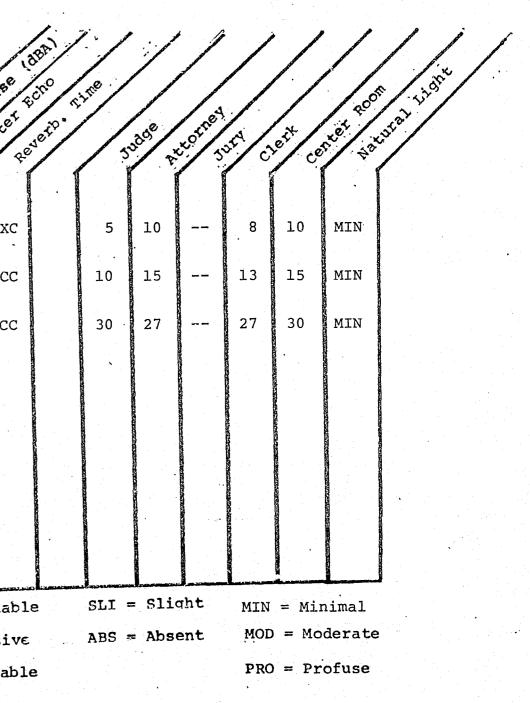
This section contains a table of acoustical and lighting measurements on selected rooms in the courthouse. When further explanation is needed, additional comments will follow the table.

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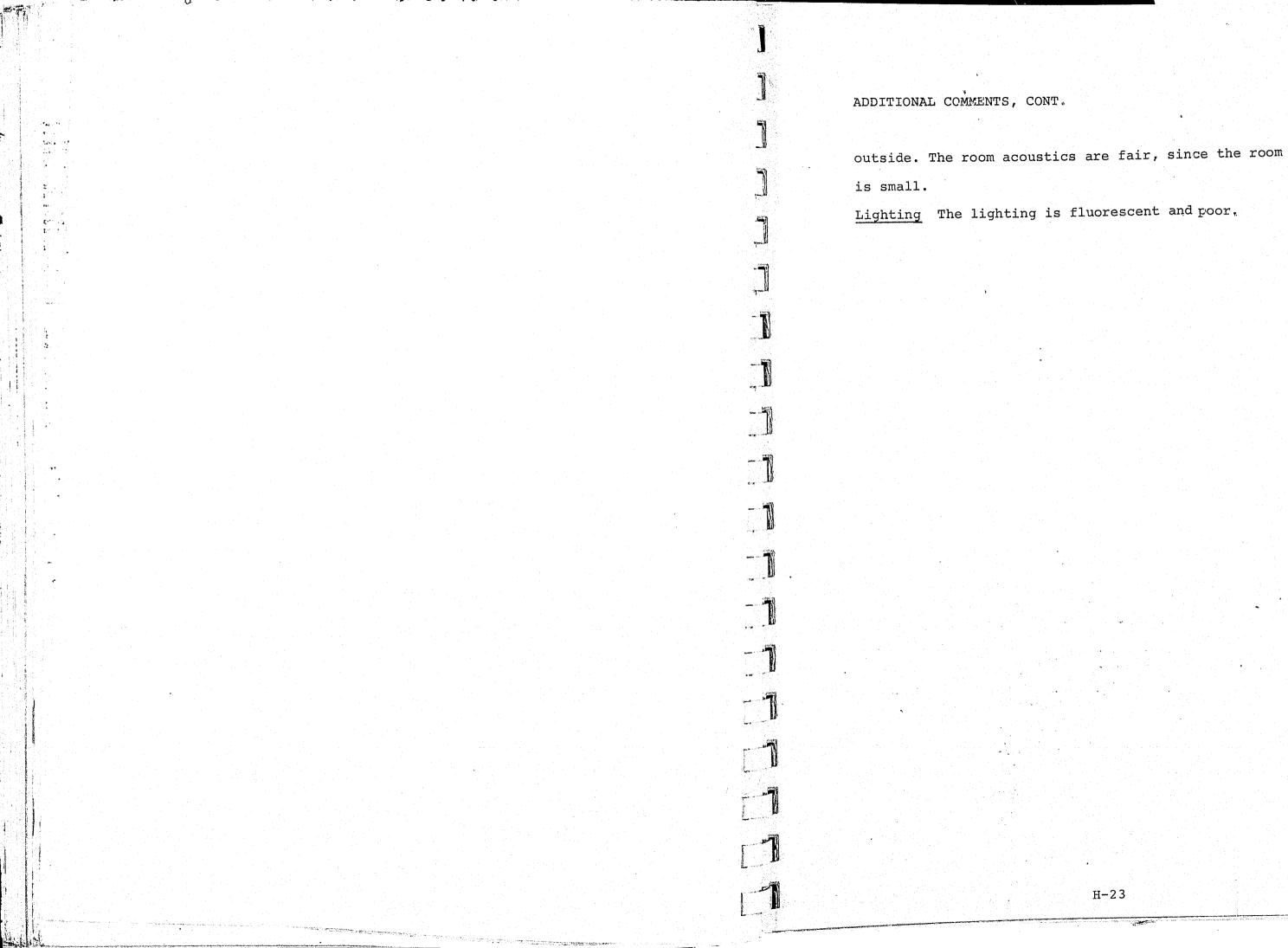
Acoustics The room acoustics are poor. The reverberation echo is excessive, so that voices are often garbled, and hard to understand. In addition, the background noise is much too high, and is due primarily to the window air conditioning units and conversations in the hallway

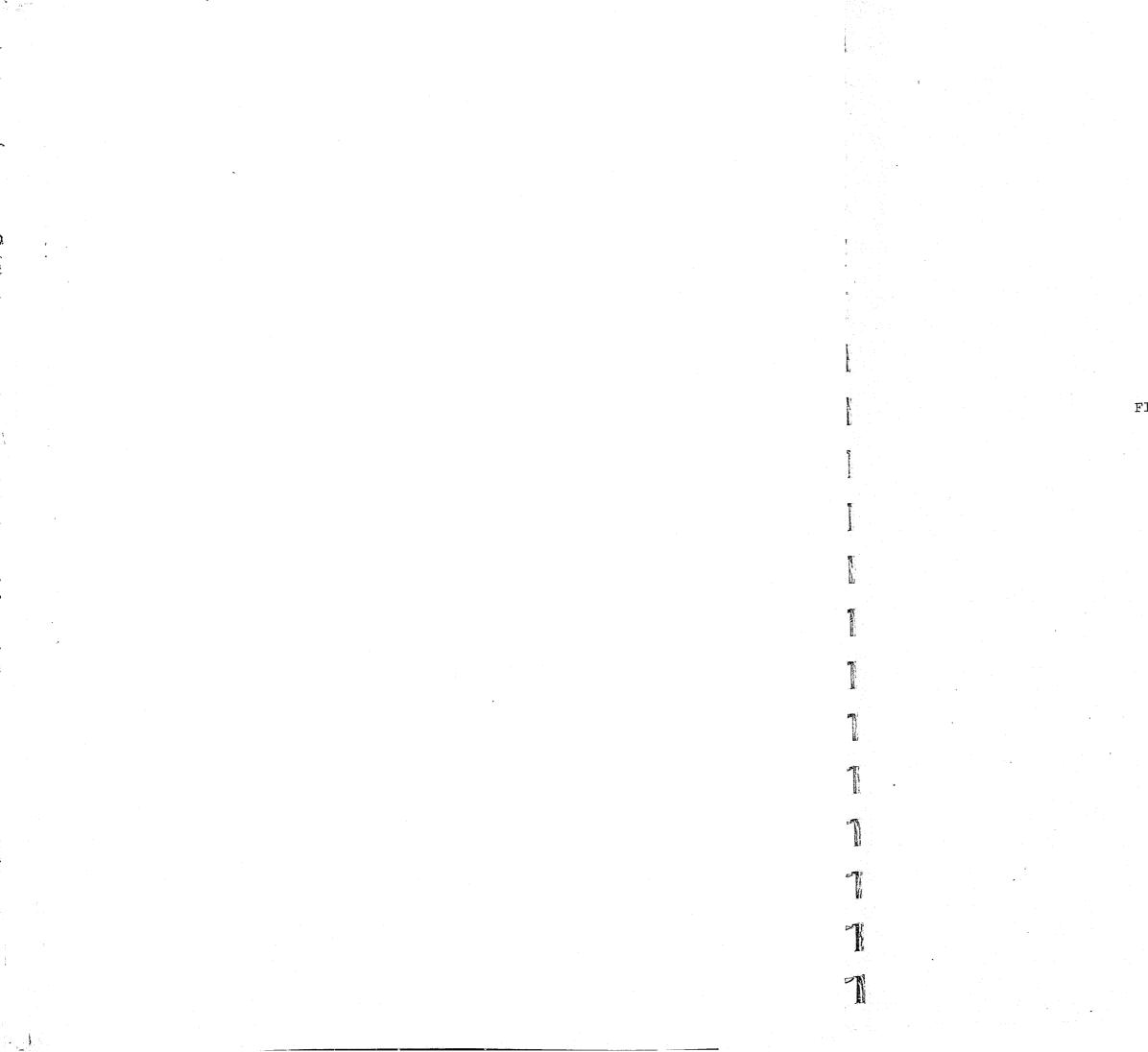
Lighting The lighting levels are extremely poor in this room. The light is provided by seven incandescent bulbs in ceiling fixtures. There is very little natural light.

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

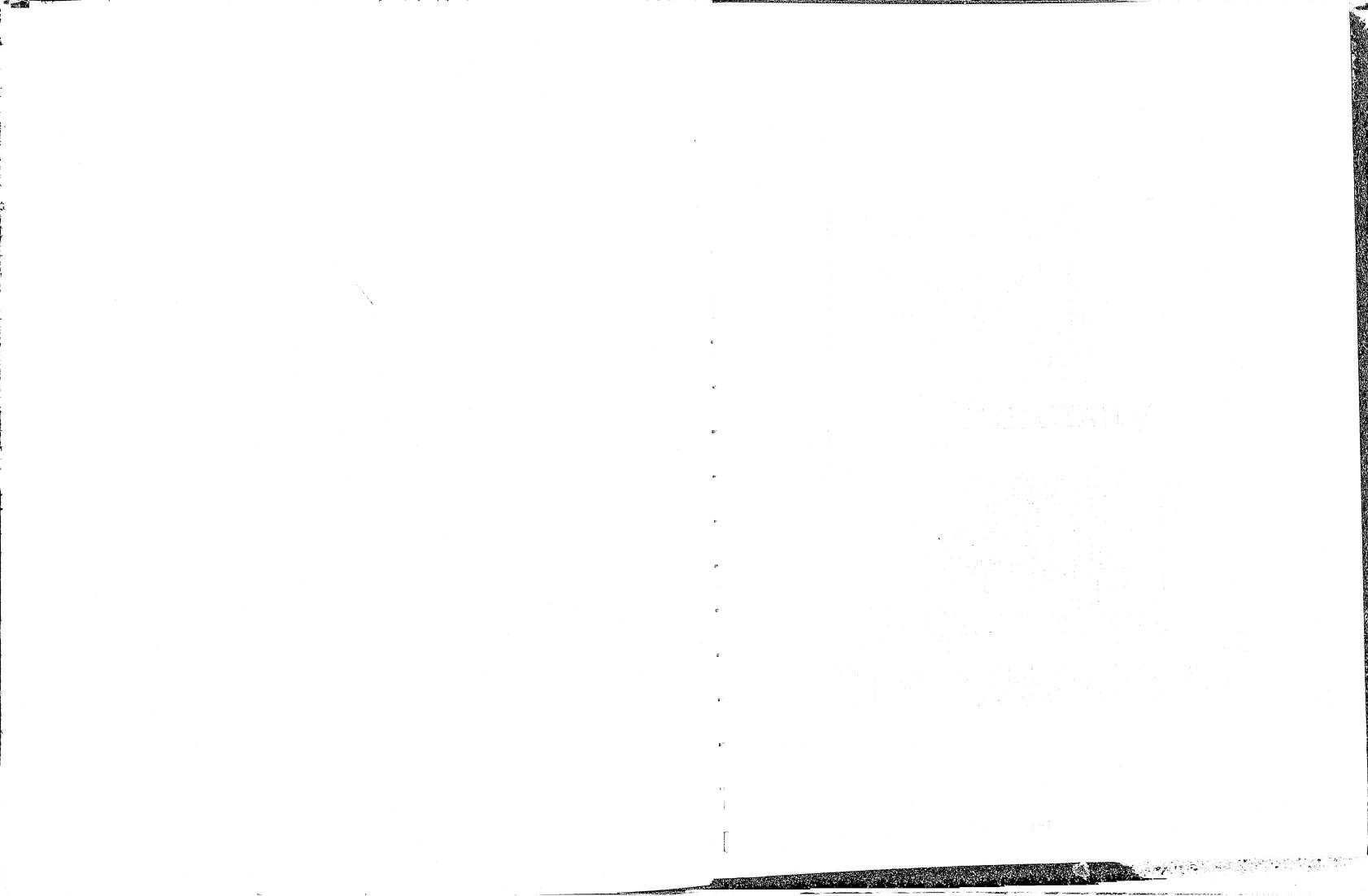


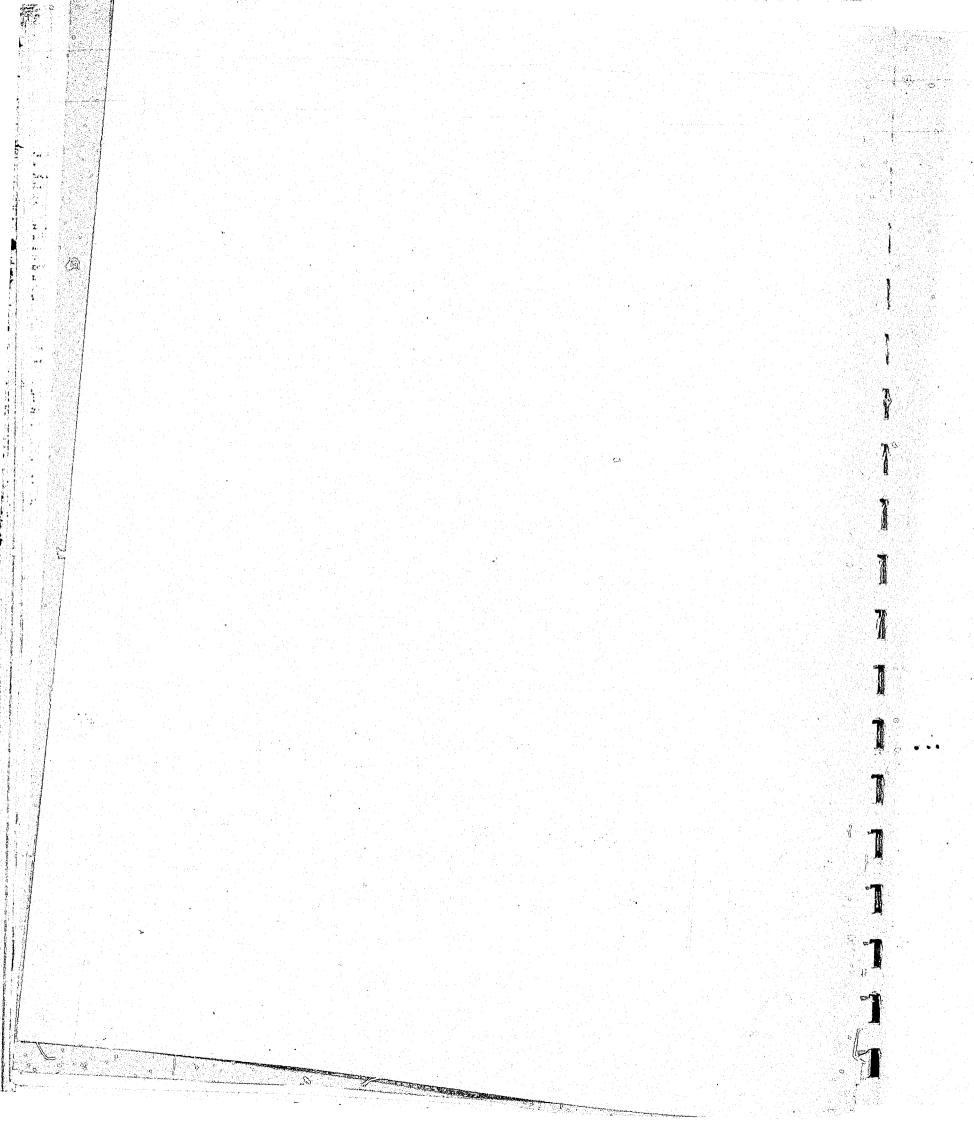


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FIRST DISTRICT COURT OF BRISTOL (TAUNTON)

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a Alexandre de la companya de la compa				UMMARY
			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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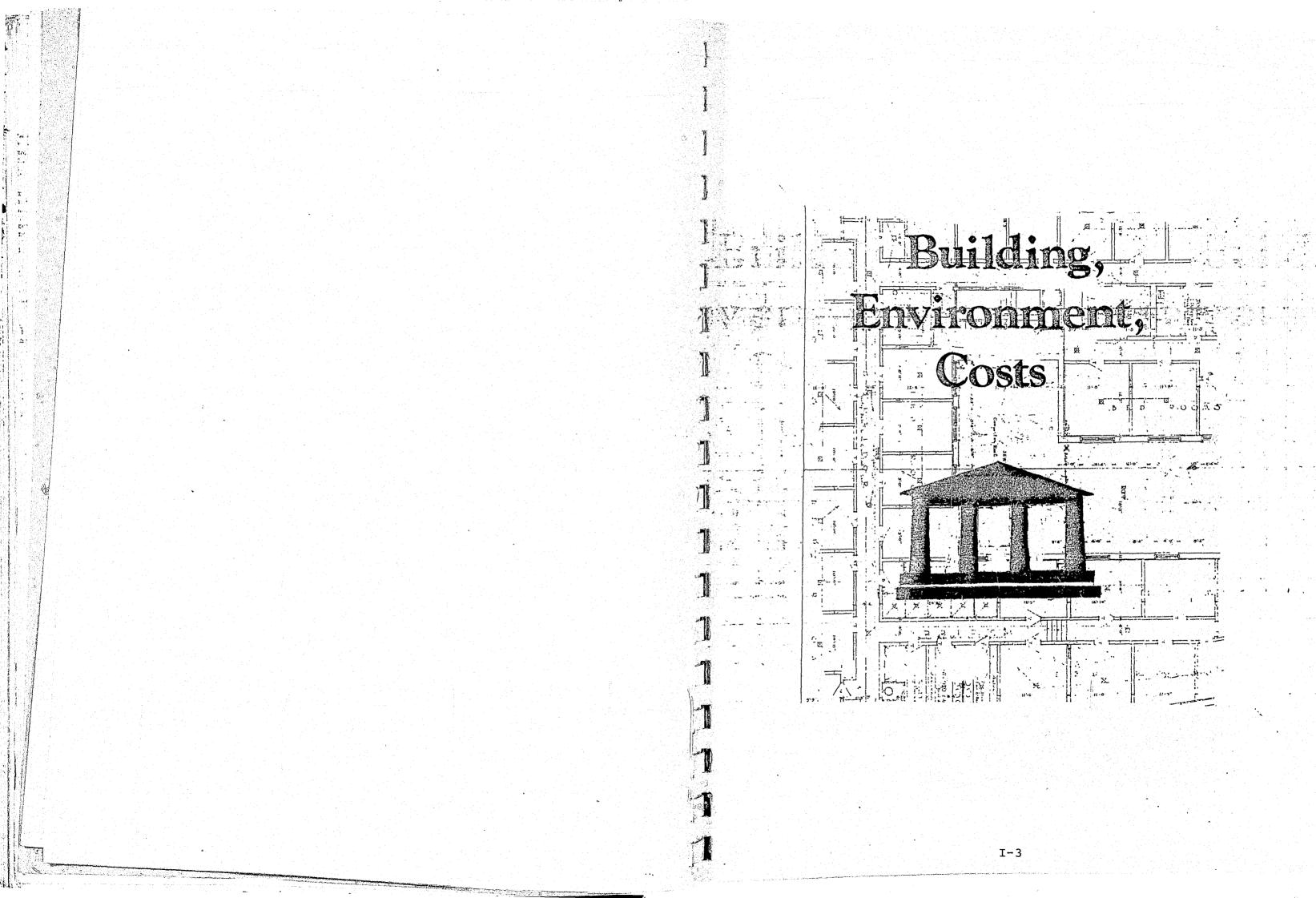
The Taunton District Court, which was built in the early 1800's and partially renovated in 1961, is in fair condition.

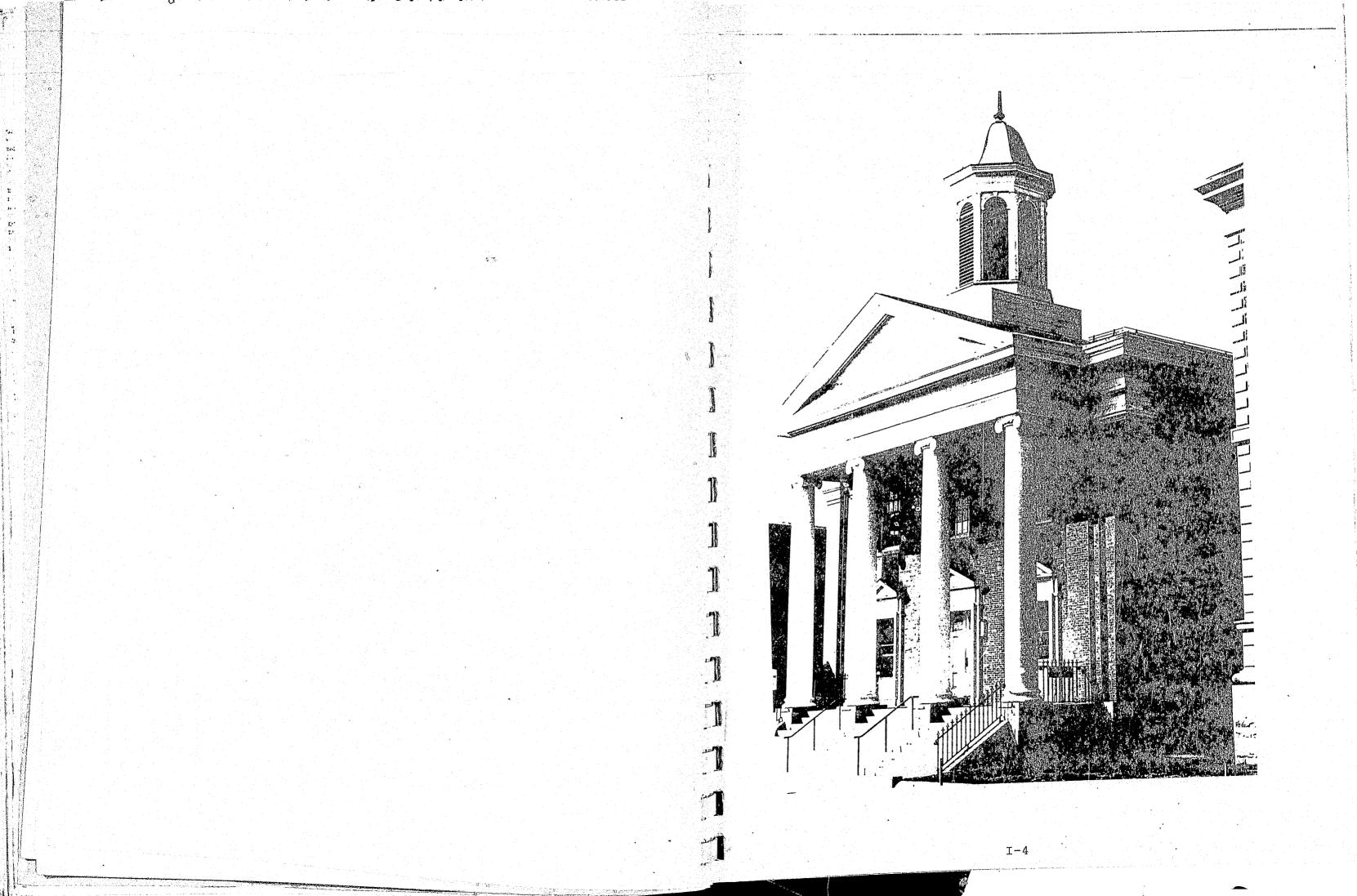
The structure and building systems (heating, plumbing, l electrical) are in good condition and are adequate. The room finishes are in good repair. The color tones are slightly drab.

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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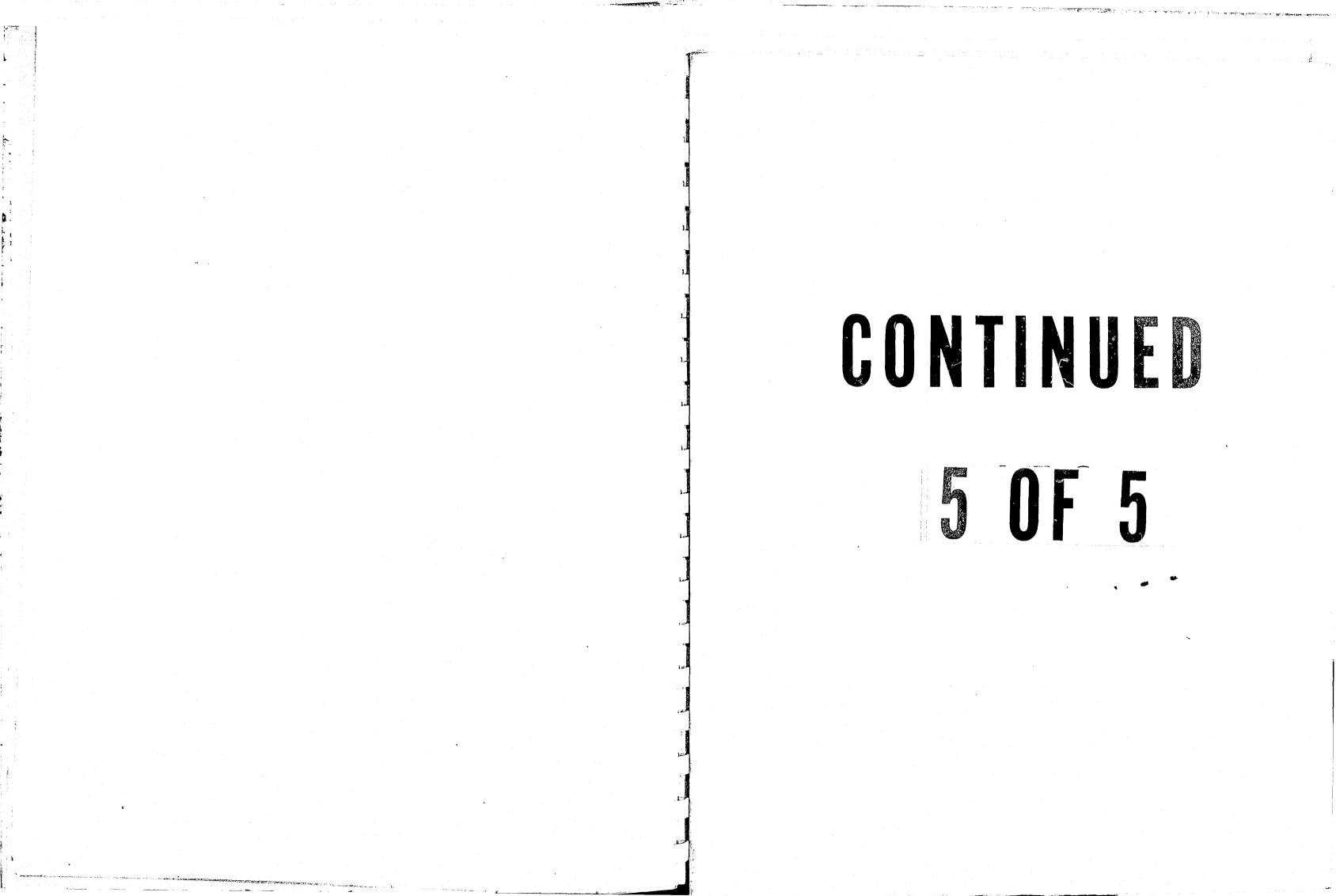
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Fire Protection and Detection There are three fire extinguishers in the building, one on each floor. Pull alarms are in the hallways on each floor. The emergency exit signs are prominently placed and lit. , Storage The Clerk uses part of the basement 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

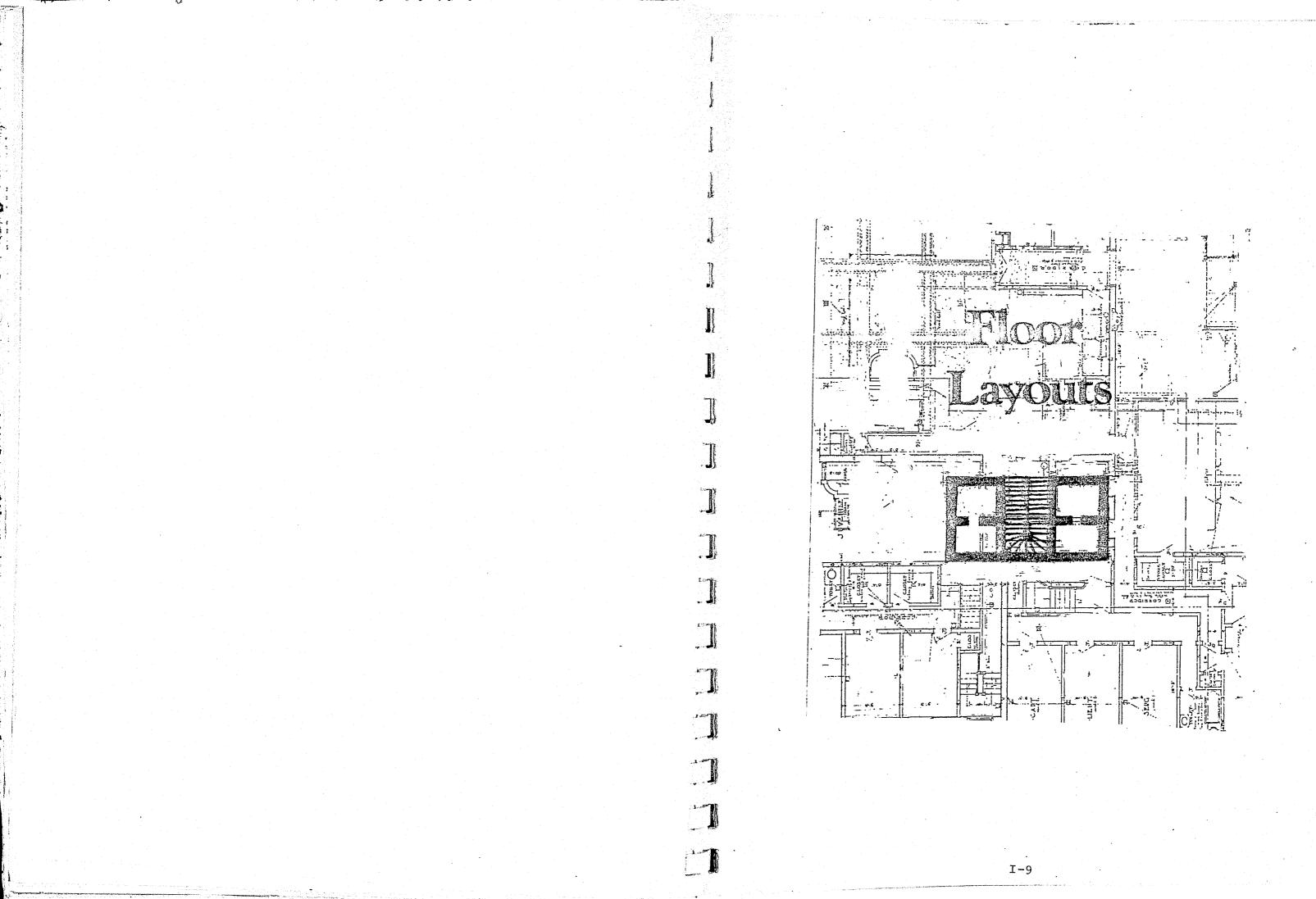
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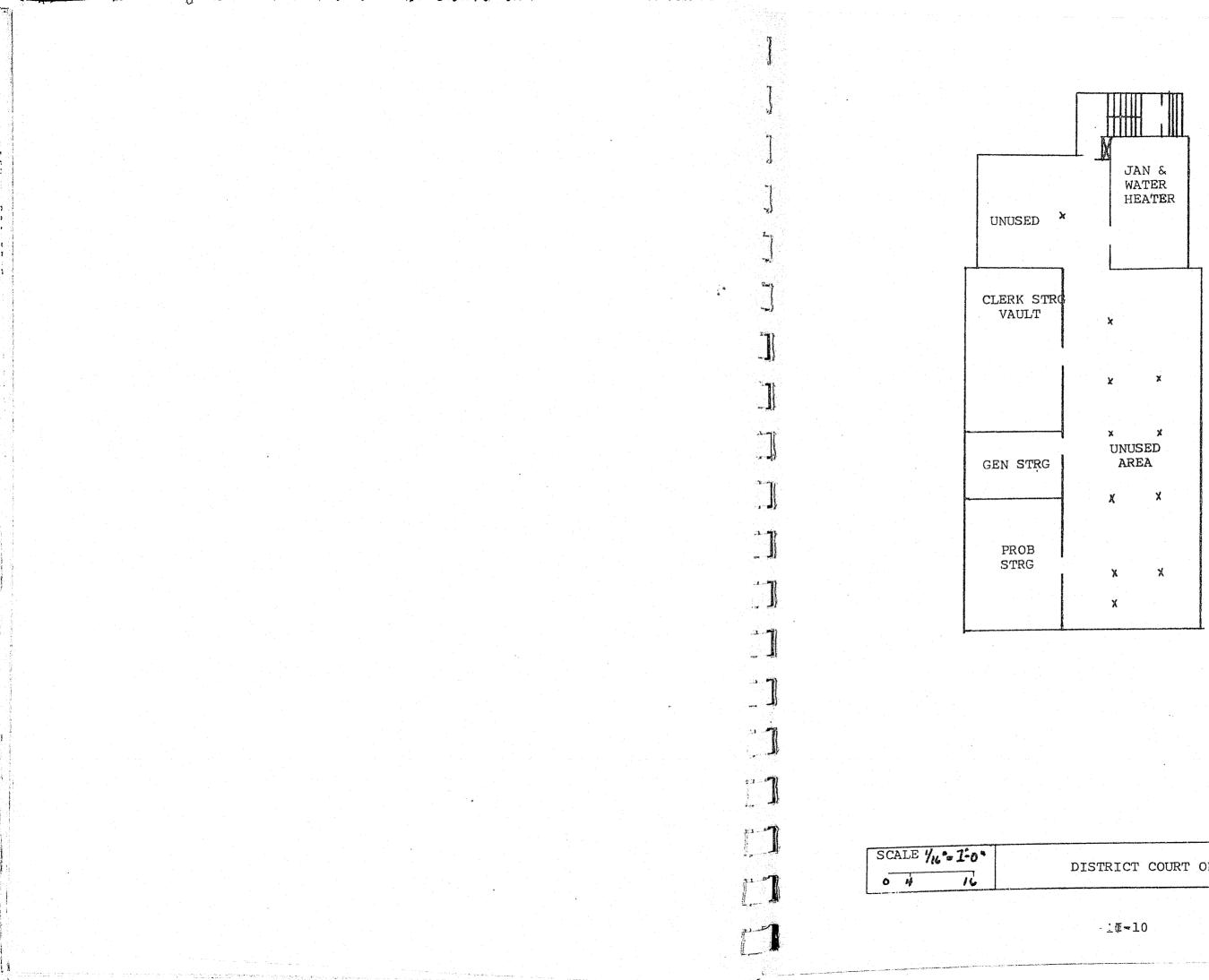
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\$ 1,665.02

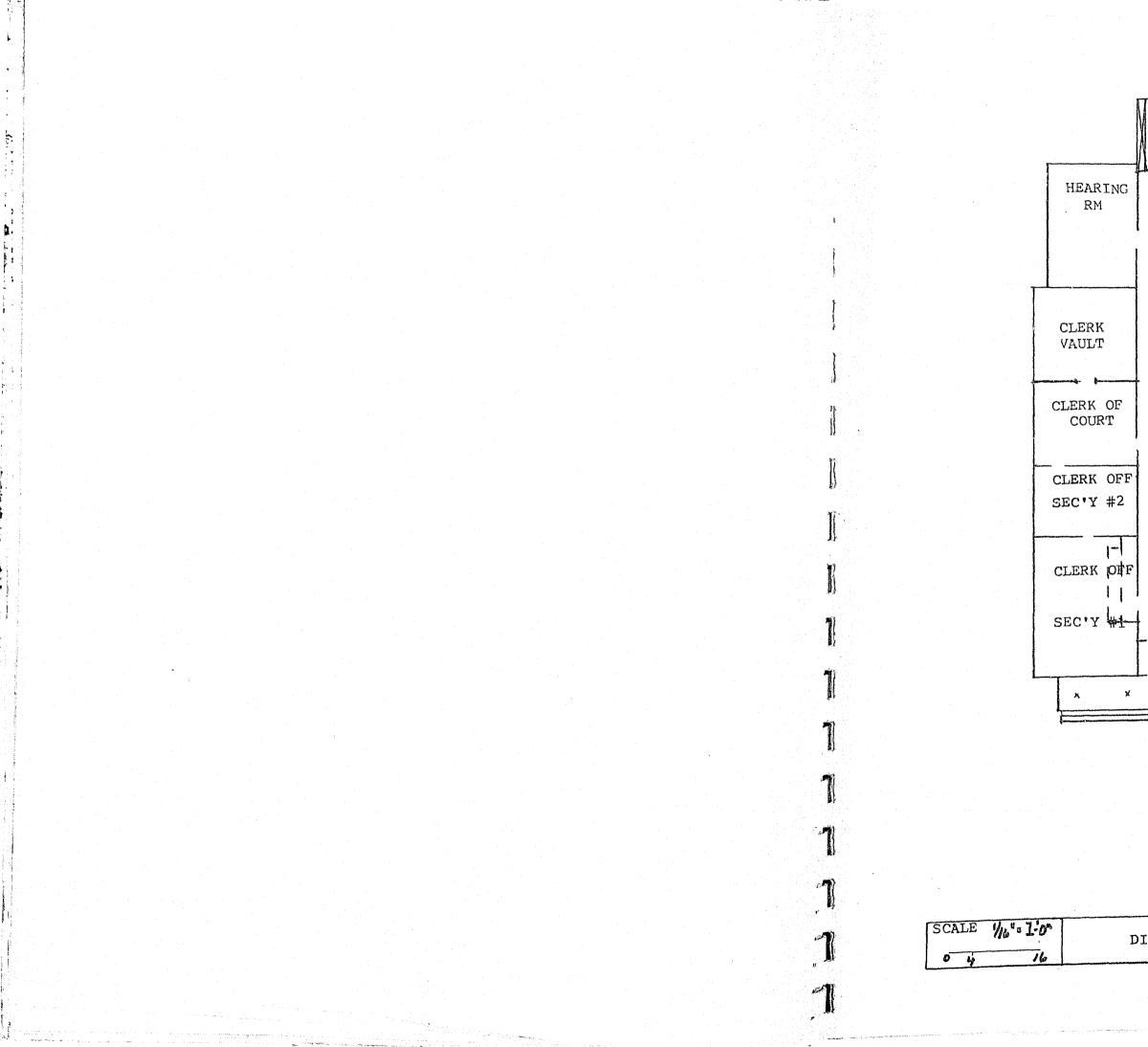
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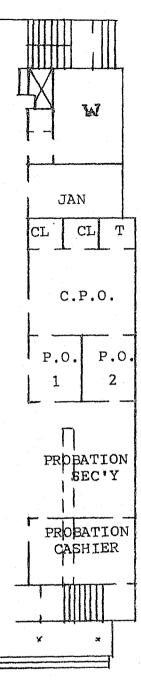
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Y DISTRICT COURT OF TAUNION basement 📐

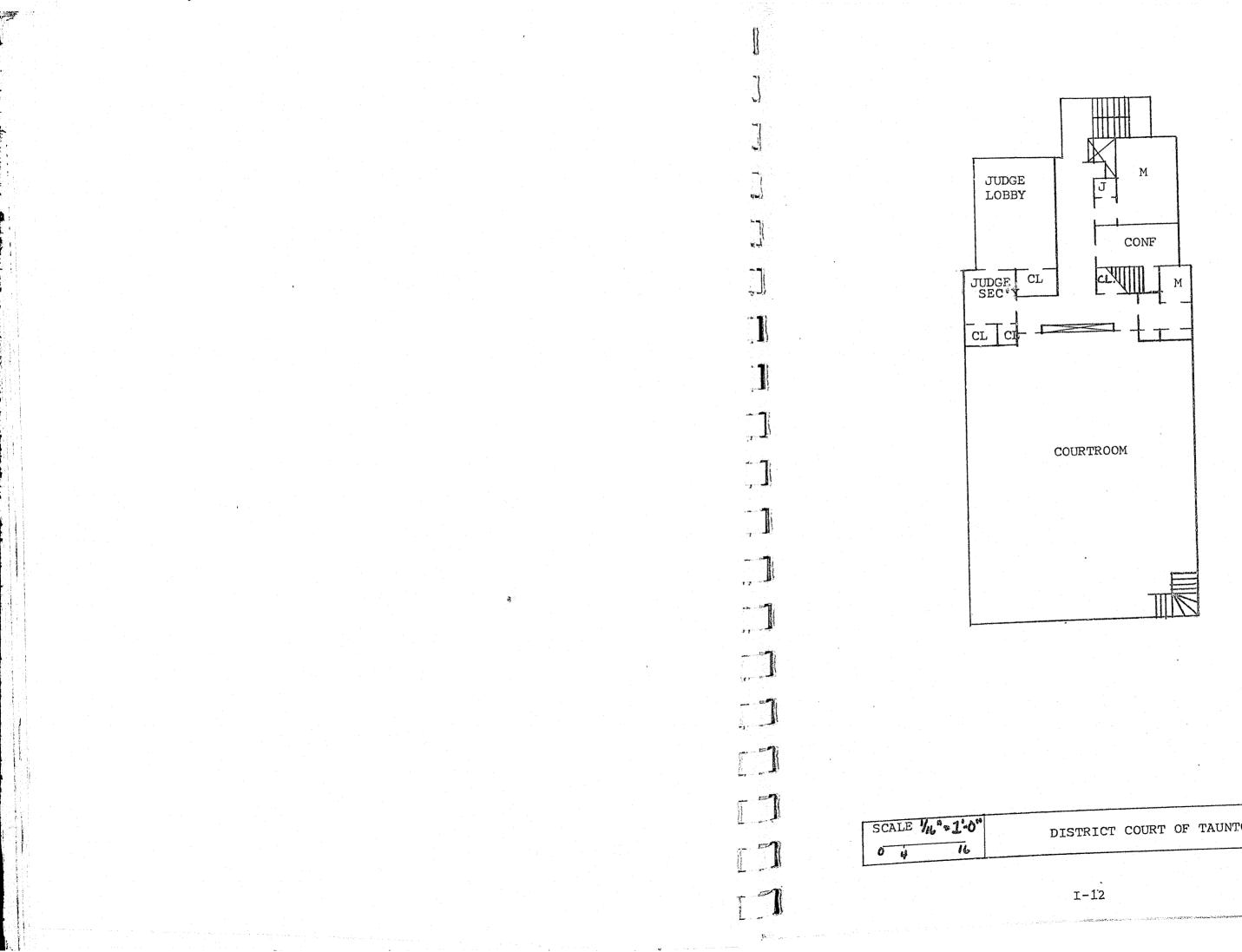




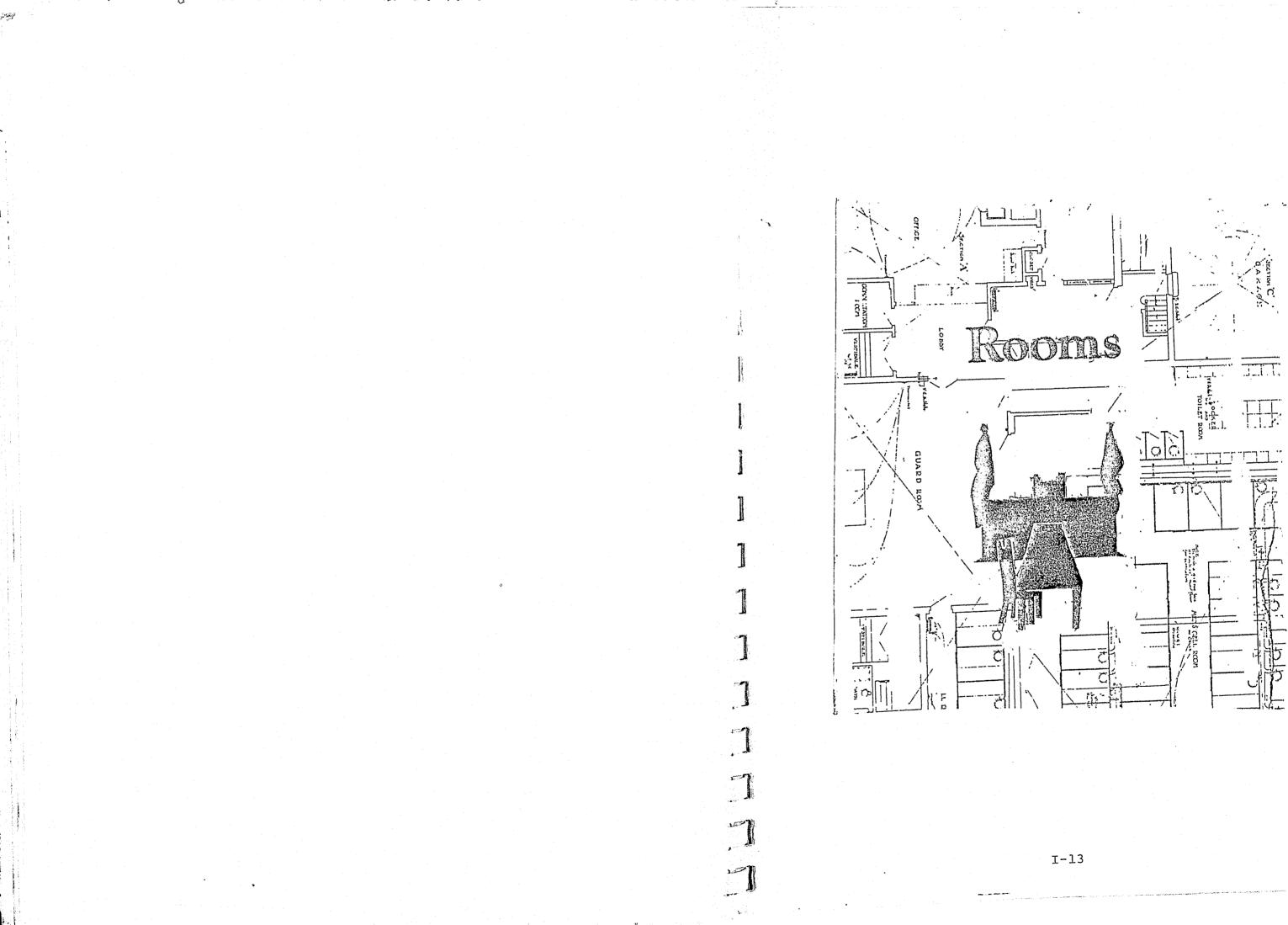
DISTRICT COURT OF TAUNTON 1st floor

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				En.
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

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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	
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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	$\frac{\text{Bright and Cheerful}}{5} \frac{\text{Drab and Austare}}{2}$
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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.
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<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
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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	<ul> <li>(n)W Indicates multiple window units, (e.g., 3 window units would be entered as (3)W.</li> </ul>
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Refer to technical information section for further explanation	

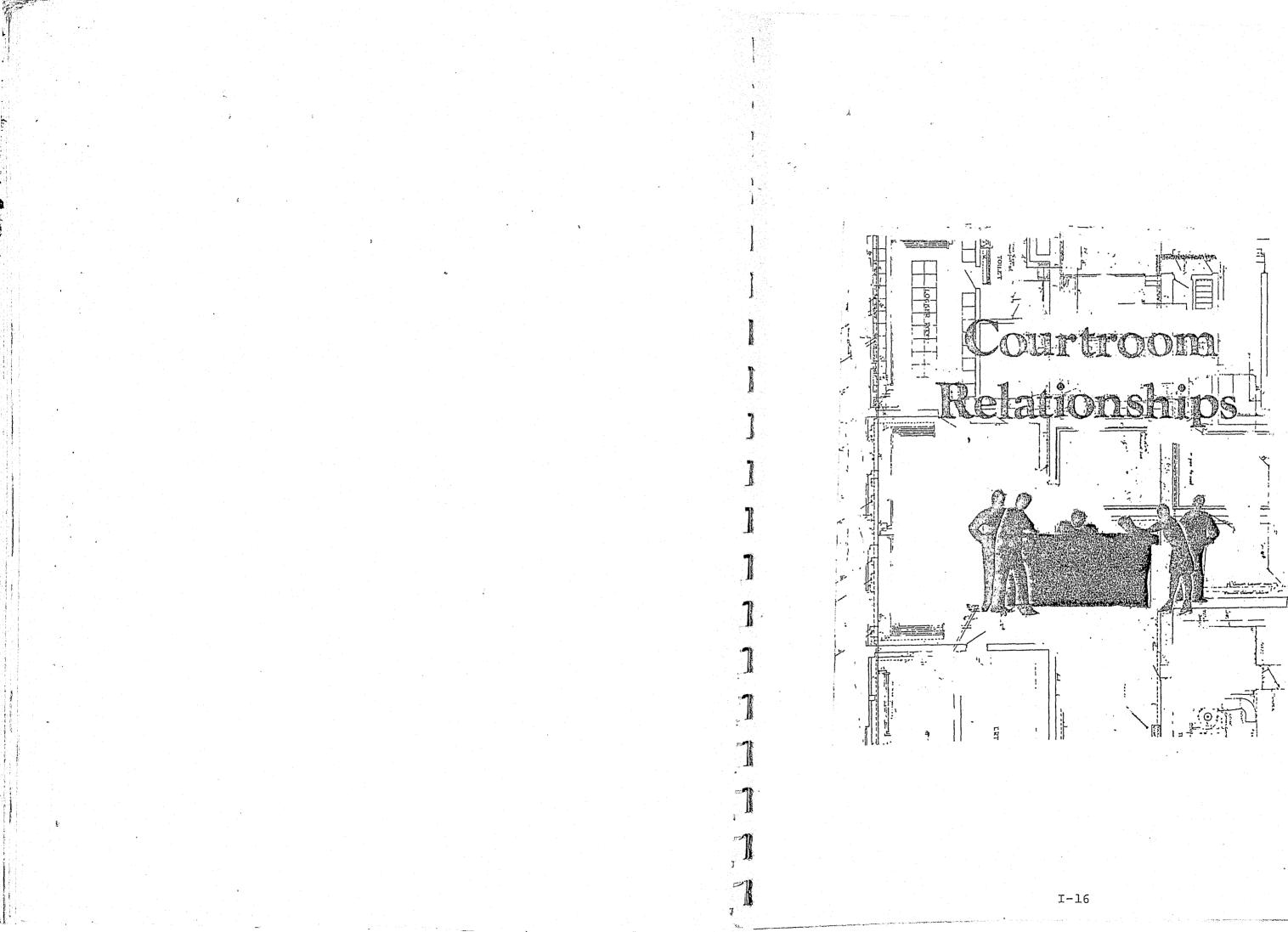
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I-15	Courtroom	2290	PUB	200	WP/ PR	GOOD	3	201	/0/0	KGOOD	рP	GOOD	17'	UnN	I	FAIR	N
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Witnesses	Yes		
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blackboard?	yes		
ned for visual	Yes	•	
3	Yes		
ortable?	No	· · ·	
public area?	No		• • • • • • • • • • • •

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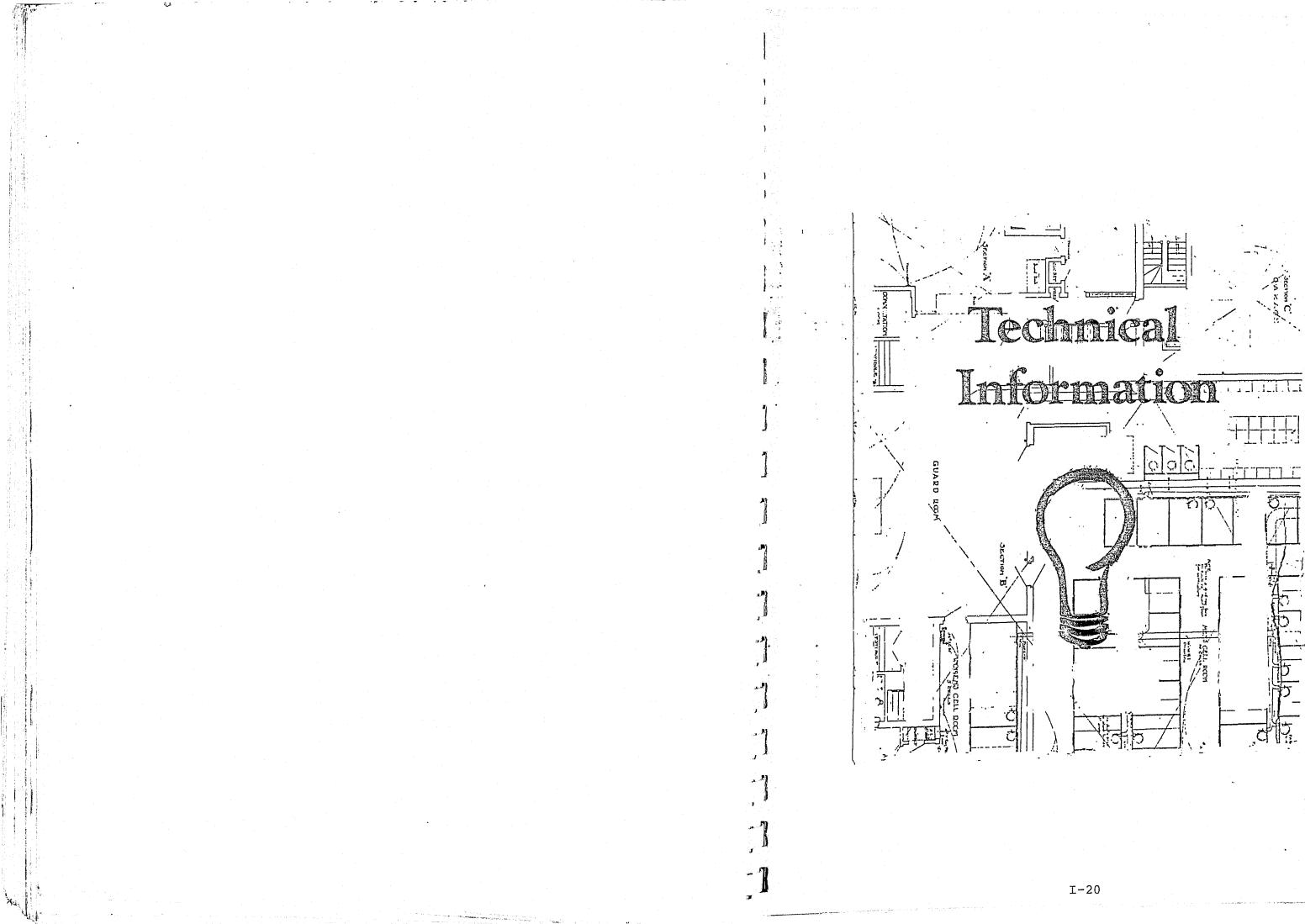
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## ADDITIONAL COMMENTS

## COURTROOM

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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	, <b>]</b>			

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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.

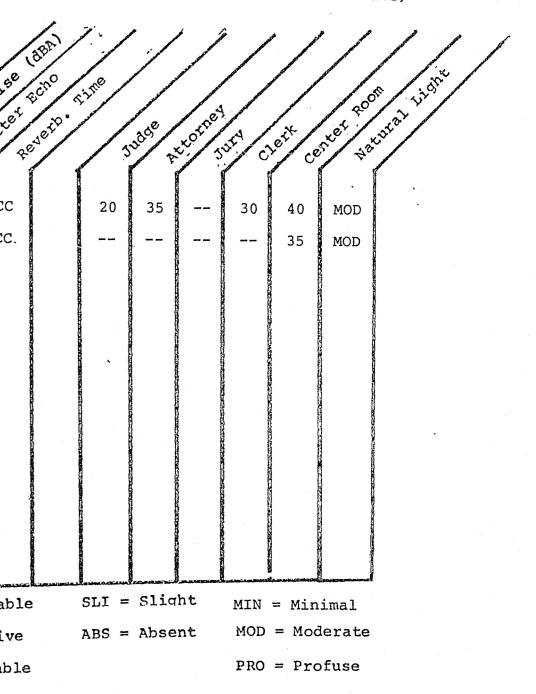
ACOUSTICS

ACC = Acceptable

EXC = Excessive

NOT = Noticeable

LIGHTING LEVELS (ft. candles)



# ADDITIONAL COMMENTS

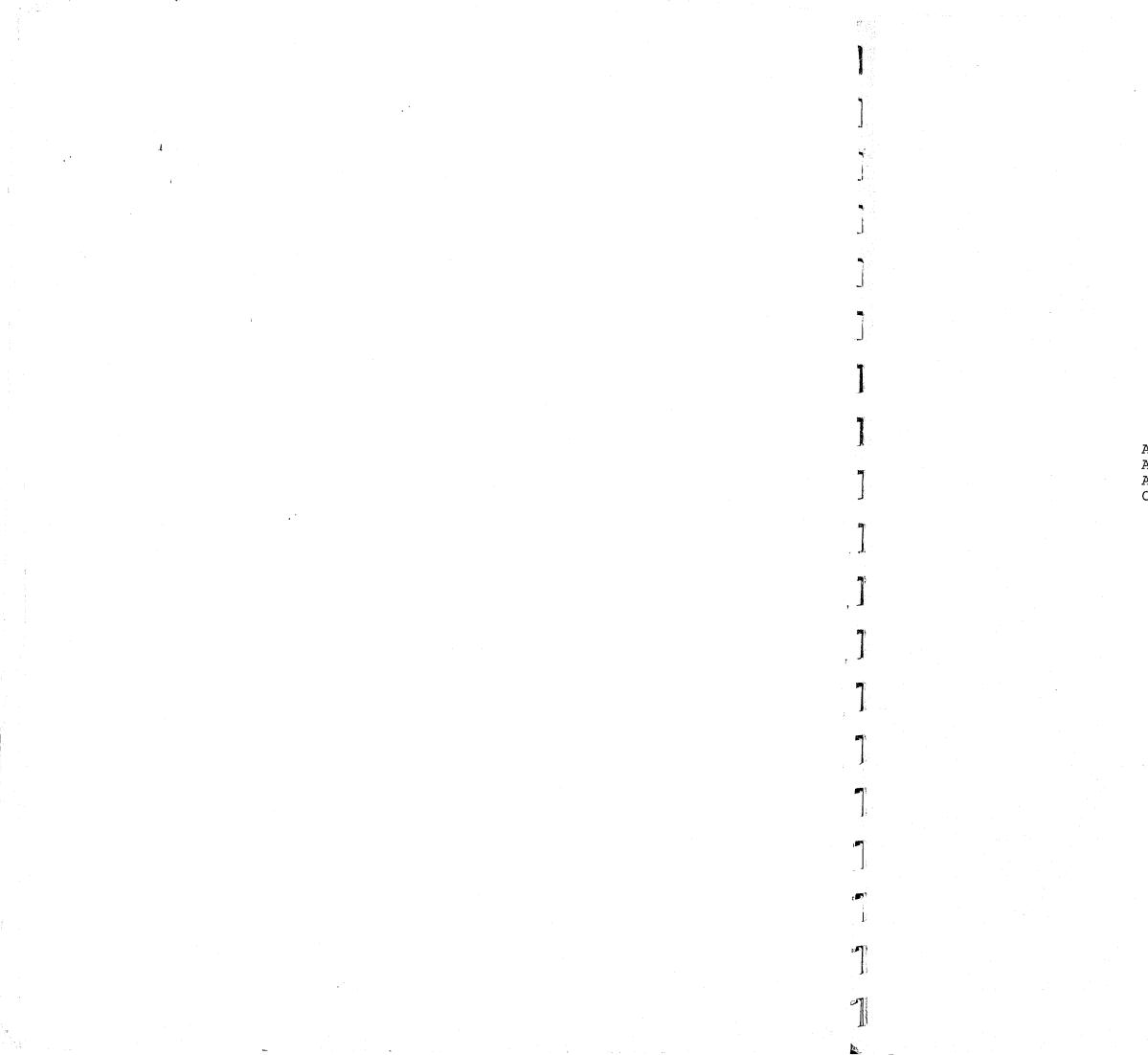
## COURTROOM

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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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.

and informative.)

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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## COLOR

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.

(Lighting strictly from a building standpoint; the actual design and construction of lighting systems and how they relate to the built environment.)

Halse, Albert O., The Use of Color in Interiors, New York:

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## COURT ARCHITECTURE

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.)

Vanderryn, Sim, An Analysis of Courtroom Design Criteria, Berkeley: University of California College of Environmental Design, 1967.

(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.)

