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ABSTRACT

Eighty-one percent of Tennessee's public school principals responded to a survey of the physical conditions of their schools. Two sets of 12 criteria were developed, based on the responses, to distinguish adequate and substandard school plants. City systems had more adequate plants than county systems. Secondary and middle schools had more adequate plants than elementary schools. Categorized by size, organizational level, and type of system, medium-sized middle schools in city systems had the largest percentage of adequate plants. Using national enrollment standards, more than one-fourth of all Tennessee schools were too small to permit efficient operation, and one-third contained too many students. Recommendations included consolidation of some of the state's one-, two-, and three-teacher schools and subdivision of some of the largest schools. New construction to alleviate overcrowding and improved building maintenance were priority needs identified by principals. (Author/MLF)



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DESCRIPTION OF SCHOOL PLANT FACILITIES IN TENNESSEE

1973

Ъу

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Special thanks are extended to Paul Bostic, Superintendent of the Anderson County school system; and to the principals of Anderson County who participated in the field test, then supplied school plant information again when the revised questionnaire was distributed on a state-wide basis.

The author acknowledges with gratitude the help of Hubert Dunsmore, Supervisor of Applied Programming at the University of Tennessee Computing Center, who provided competent technical assistance in analyzing the data and presenting the summary in tabular and graphic form.

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Section 1

INTRODUCTION AND DESCRIPTION OF PROJECT

INTRODUCTION

A 1967 publication of the American Association of School Administrators entitled Schools for America contained this enthusiastic statement of the importance some would place on the quality of physical facilities for educating America's young people:

The school building at its best engenders a climate that brings out the best in people. In its totality—site, building mass, form, design, and overall relationships—it is pleasurable to the senses and exalts the mind and the spirit.

A well designed building can give pleasure, it can stimulate, it can relax. . . It should capture the spirits of young people and consciously seek to make favorable impressions on their lives. A truly fine school can become a symphony of delight (1, p. 35).

The Foreword of the National Inventory of School Facilities and Personnel which was conducted in 1962 began with this statement: "The effectiveness of the educational program and process depends upon the quality and adequacy of school personnel and facilities (7, p. iii)." At the time, few educators would have argued with the logic of this generalization and it remained virtually unchallenged until the appearance in 1966 of the so-called "Coleman Report."

James Coleman and others conducted a national survey of educational facilities, gathering such information as the average number of instructional rooms per building; the average number of improvised or make-shift instructional rooms per building; the percentage of students in school plants less than 20 years of age, 20 to 39 years of age, and 40 years of age or more; the average number of pupils per instructional room and per teacher; the average total enrollment at each school; the proportion of schools having an auditorium, cafeteria, gym, and other special rooms or laboratories, the quality of the library facilities.

Coleman concluded from his analysis of the data that it was socio-economic factors that accounted for most of the differences in pupil achievement. When these factors were statistically controlled only a fraction of the differences could be attributed to differences between schools (6).

Christopher Jencks and others (3) more recently completed an extensive study that convinced them that the long-term effect of schooling is so small in comparison with the effect of a student's entering characteristics and his experiences <u>outside</u> the school, that improvements in the quality of schools can make only minute changes in the cognitive inequality that exists between individuals and between races. In fact, eliminating qualitative directness between elementary schools would reduce the range of scores on standardized tests in sixth grade by less than 3 percent.

If the quality of educational facilities has so little effect on the progress of the individual, why devote any time to assessing the status of such facilities?

First, it has been argued that schooling itself has a minimal effect on an individual's progress, yet there is no serious plan at this point to abolish schools. If educational institutions are going to continue to function, we may as well study the facilities that house them in an attempt to make these facilities contribute as much as possible to the educational process.

Secondly, James Coleman pointed out that schools do differ in their relation to various racial and ethnic groups: the achievement of minority pupils depends more on the schools they attend than does the achievement of majority pupils (6, p. 22). Thus, improving the quality of the schools of

the disadvantaged could contribute more to increasing achievement than would improving the quality of middle-class schools.

Even Christopher Jencks has said that schools, with all their shortcomings, should be evaluated on the basis of whether students and teachers find them satisfying places to be. The school environment should be an enjoyable one.

Along the same lines, the test of good schools is, "Do we like them?" according to Educational Facilities Laboratories (16, p. 9).

Finally, and perhaps most importantly, the behavioral sciences provide ample research evidence that growth and learning are affected by the environment in which they take place. Children boil over with restlessness in a cold room, daydream in a hot room, and seek the light in a dark room (13, p. 175). Just as the child who is consistently hungry cannot properly focus his attention on his school work, the child who is too hot or too cold in his room, who is crowded with others in a space too small for his group, or who tries to read in a poorly lighted room also finds it hard to concentrate on learning. A school can hardly be a satisfying place to be if it does not satisfy one's basic physiological needs.

Innovative approaches in curriculum and programming could conceivably have more impact on children than do present approaches, yet physical facilities may need extensive modification to allow these approaches to be implemented. A survey of 700 school principals in large cities which was conducted by the National Association of Secondary School Principals in 1970 indicated that almost one-third of the principals felt substantially constrained during the past five years in designing new educational programs by limitations

in their physical facilities (16, p. 12).

Just how constrained do principals in Tennessee feel by limitations in their physical facilities? How well are the schools in Tennessee meeting the physiological needs of students? A few pertinent local surveys were found, but a check of State records and recent studies related to educational facilities indicated that there was no collection of data on a Statewide basis that would provide answers to these questions.

A number of master's and doctor's theses completed at the University of Tennessee have described certain school facilities (11) and the extent of their use (12), either in a particular community, or in a particular curriculum area (17). School surveys and evaluations conducted by the Bureau of Educational Research and Service (22) and the School Planning Laboratory at UT, and by other college of education or university divisions have included attempts to assess the adequacy of school plant facilities in a given community or school district. Some writers have attempted to outline specifications for school plant facilities in general (21), or in connection with a given curriculum area (10).

In 1973 no current Statewide inventory of school plant facilities could be located. This study was designed to fulfill that need. The survey should be useful in assessing present status of facilities and suggesting to what extent future construction and renovation projects are needed to assure that Tennessee's school children can obtain an education in adequate facilities. Tennessee's legislative representatives at the state and national levels should have the facts from a study of this sort. At the local level voters need current information on the status of facilities in order to fully appreciate the need for passage of school bond issues. The need for facts to convince voters



seemed especially critical in the 1970s since the voters rejected more than half the requested funds for school construction in 1969 and 1970. This was the first time on record that approvals had fallen below the 50 percent level. In 1965, for example, nearly 80 percent of the funds requested were approved (16, p. 9).

BACKGROUND OF THE STUDY

During the Fall Quarter of 1972 at the University of Tennessee, Knoxville a group of the writer's students in a research methods course elected as their term project the development of a proposal to survey school plant facilities in Tennessee. In initiating this project the students were supervised by Dr. Charles Peccolo, Director of the Bureau of Educational Research and Service. After extensive reading in the area of school facility planning, these students, with Dr. Peccolo's assistance, designed a questionnaire which they felt would provide a reasonably comprehensive profile of school facilities, and would be suitable for Statewide distribution.

Since one of the students taught in the Anderson County school system, permission was secured from the Anderson County Superintendent, Mr. Paul Bostic, to permit a field test of the instrument within his system. Copies of the questionnaire were given to all Anderson County principals. They were asked to complete the instrument and to comment on its contents.

The first questionnaire was more detailed than the revised copy that eventually was distributed Statewide. Feedback from the seventeen Anderson County principals who responded in the field test suggested that some of the detail needed to be eliminated. An item calling for description of materials

used to construct interior walls, floors, ceilings, windows, and doors proved troublesome due to a lack of standardization among principals of terms for certain building materials, and because a variety of materials might be used in different rooms within a given school. An item calling for number of rooms used for various purposes within the school was deleted because a given room might be used in several ways within the course of a day. It appeared that only an on-site interview or inspection tour could insure a valid response to items such as these.

Following the field test of the instrument the responsibility for this project shifted from the group of students to the staff of the Bureau of Educational Research and Service at the University of Tennessee, Knoxville.

PURPOSE

In the interest of obtaining an overall picture of school plant facilities in Tennessee the decision was made by project staff to give all public school principals in the State an opportunity to submit information on their schools. Thus the comprehensive questions that would have necessitated individual interviewing were sacrificed.

The final questionnaire contained a minimum of items in order to cut the time needed for responding and thus maximize the rate of return. It was designed to present a skeletal profile of a school plant: its age, the modernity of its physical facilities, the adequacy of its site size. Extent of overcrowding, if any, could be calculated using responses to items on present enrollment and 'maximum number of students for which the school plant is designed.' One item sought information on the presence of abandoned buildings



on the school site. Finally, principals were given an opportunity to amplify their responses with comments and to indicate whether they perceived maintenance of present facilities or construction of new ones as their greatest need at present.

SURVEY METHODOLOGY

The Survey Instrument

A four-page questionnaire entitled "Description of School Plant Facilities in Tennessee" was formulated for distribution to principals of all public schools in Tennessee. A copy of the questionnaire appears in Appendix A.

Page One of the instrument contained the following set of definitions which was used to standardize the meanings of terms used in the questionnaire:

<u>School Plant</u> - A site and buildings constituting the physical facilities used by a single school.

Original - That building being used now which was constructed and occupied earliest of all buildings currently in use.

Additions - Spaces added to the original building which are permanent in nature.

Temporary - Spaces added in the immediate proximity of the original building which can be moved to other sites.

Basement - Space which is below ground level (requiring window wells) on all sides.

A listing of all public schools was obtained from <u>DIRECTORY of Public</u>
Schools for 1972-1973 (20).

Prior to mailing the questionnaire to principals a letter was sent to the 147 school superintendents listed in the <u>DIRECTORY</u> to acquaint them with the nature of the project and to enlist their support and cooperation in facilitating the return of completed questionnaires from their districts. The letter to superintendents was mailed at the end of February 1973. During the first week of March explanatory cover letters (see Appendix A) and questionnaires were sent to each of the 1783 principals of public schools listed in the 1 <u>DIRECTORY</u>. Principals were asked to return completed forms to the Bureau of Educational Research and Service at the University of Tennessee by March 16, 1973.

During the last week of March follow-up letters were mailed to principals who had not yet responded, urging them to complete the survey instrument.

Three superintendents volunteered to supply information on all schools in their districts, but all other forms were completed by principals. Completed questionnaires were received from 1451 schools or 81.4 percent of the State's public schools. Replies were received from every school district in the State (the reply from one small city district was not usable, however).

School Classification System

For the purposes of this study Tennessee's public schools were classified in a number of ways.

- 1) Type of System
 - a. County
 - b. City, Town, or Special District

(NOTE: Information on system type was obtained from <u>DIRECTORY of Public Schools for 1972-1973</u> (20).)

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¹No printed listing of public schools could be considered totally accurate because clerical errors inevitably creep into so large a system, and because old schools had closed and new schools had opened since the <u>DIRECTORY</u> was published in February 1973. Feedback obtained in the course of mailings to principals caused three schools to be deleted from the <u>DIRECTORY</u> listing and one school to be added (i.e., three schools had closed and one had opened). Thus the results of this survey were based on the assumption that there were approximately 1783 public *chools in Tennessee at the time the study was conducted.

2) Organizational Level

- Elementary schools consisting primarily of grades K-6,
 e.g., grade spreads of K-6, K-8, K-9, 1-6, 3-4, 4-6, and
 special education schools for students of elementary age.
- b. Middle schools consisting primarily of grades 5-8, e.g., grade spreads of 5-8, 6-9, 7-8, 7-10, etc.
- Secondary schools consisting primarily of grades 9-12,
 e.g., grade spreads of 9-12, 10-12, 7-12, 9-11, 11-12, etc.
- d. Combined (and Unknown) schools consisting of grades K-12 or 1-12; and special schools with a grade spread characterized in the DIRECTORY as "unknown."

(NOTE: Information on grade spread at each school was obtained from the <u>DIRECTORY</u> (20).)

- 3) School Size (in terms of student enrollment on September 30, 1972)
 On the basis of responses to the first item on the questionnaire,
 "How many students were enrolled at your school as of September 30,
 1972?," three categories¹ of school size were designated:
 - a. Small enrollment below 350
 - b. Medium enrollment 350-699
 - Large enrollment 700 or above.
- 4) Grand Division of the State

A listing supplied by the State Department of Education (see

¹A frequency distribution based on a sample of early questionnaire returns indicated that use of these categories would probably come closest to dividing the total number of schools into three equivalent parts, while maintaining a reasonable definition for the 'small' school and the 'large' school. In the final sample 33.7 percent of the schools were classified as 'small,' 42.5 percent as 'medium' and 23.8 percent as 'large'.

Appendix B) was used to determine whether schools were located in counties in

- a. West Tennessee
- b. Middle Tennessee
- c. East Tennessee

TREATMENT OF DATA

All questionnaire responses were keypunched, then processed using an IBM 360/65 computer. Responsibility for keypunching and programming was carried out by personnel at the University of Tennessee Computing Center.

Data were analyzed according to a classification scheme that included thirty-seven separate categories. These categories are defined and numbered in Figure 1.1.

LIMITATIONS OF THE SURVEY

The principal of every public school in Tennessee (as listed in <u>DIRECTORY</u> of <u>Public Schools for 1972-1973</u> (20)) was given an opportunity to submit data on his school plant for the purposes of this study. The rate of return, 87.4 percent, was considered excellent. But it must be kept in mind that data from 18.6 percent of the schools were not supplied. In all likelihood the addition of data from these schools would not have made an appreciable difference in the trends established, but the slight possibility of such differences cannot be ignored.

When dealing with such a large quantity of questionnaires it is nearly impossible to avoid finding some omissions among the response categories. As questionnaires were returned they were checked for completeness, and those found to contain omissions in three or more response categories were mailed



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Figure 1.1 Data Analysis Categories (Numbered 1-37)



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back to the respondents with a request for the missing data. More than 95 percent of the questionnaires that were mailed back to respondents were returned with the missing data supplied. Even this procedure did not result in the filling of all blanks, however. Consequently, in some response categories the descriptive statistics for the data summary had to be calculated on the basis of number of responses rather than on 1451 total questionnaires analyzed. Fortunately, the number of principals responding to any one item never fell below 1403, so statistics based on number of responses actually differed very little from those that might have been calculated on the basis of 1451 responses.

Early in the course of developing the survey methodology for this project the decision was made to attempt to gather data from all public schools in the State. Thus the comprehensive questions that might have been asked of a small sample, or in an interview at a school site, were sacrificed in favor of a smaller number of items that could be understood easily and answered relatively quickly. The result may disappoint those who had hoped for a complete and detailed picture of the condition of school plant facilities in Tennessee. What emerged was a skeletal profile of school plants: chiefly, their age, modernity of their physical facilities, extent of overcrowding (if any), and adequacy of site size. The statewide coverage did provide, however, the benefit of meaningful comparisons between profiles of schools of various system types, sizes, organizational levels, and regions (i.e., Grand Divisions) of the State.

Finally, there was the problem of accuracy of the responses that were received. In spite of all attempts to clarify questions in order to assure uniform interpretation, feedback from participants indicated that some items

still were ambiguous.

Some principals argued that school 'capacity' is not a constant figure, but can vary depending on the type of program being conducted. Certainly there is justification for this point of view, but the intent of the question was to standardize responses by calling for the maximum number of students for which the school plant was designed originally.

Apparently some respondents were unable to distinguish between 'central' and 'space' with regard to 'type of heating equipment.' Parenthetical phrases were added in the questionnaire to indicate that 'central' heating meant a 'system for an entire building,' while 'space' heaters referred to 'individual room units,' but there was still confusion because most 'central' systems have some sort of individual room units to disperse heated air from a central source.

The alternatives under 'type of cooling equipment' were designed to indicate that window units for individual rooms constituted a type of 'mechanical cooling system.' A few principals, however, checked the 'window units for individual rooms' alternative if the rooms in their schools had windows that could be opened to aid in cooling.

Finally, a few principals wrote in 'light bulbs' as 'principal type of lighting system in instructional areas,' thus indicating that they were probably not familiar with the term 'incandescent,' which was one of the alternatives.

ORGANIZATION OF REPORT

This report is divided into seven sections, including a bibliography and appendixes. Section 1 provides an introduction and description of the project. Sections 2, 3, and 4 present the data analyses. Section 2 provides information on all Tennessee schools, accompanied by a rationale for questionnaire items and for interpretation of the data obtained. Section 3 provides information on schools in twelve categories based on three Grand Divisions of the State and four organizational levels. Section 4 provides information on schools in twenty-four categories based on three school sizes, four organizational levels, and two system types.

Section 5 presents a summary and conclusions. The bibliography follows

Section 5. Appendix A contains the cover letter to principals and the

questionnaire used in this study. Appendix B consists of a listing of counties
in each Grand Division of the State.

Section 2

ANALYSIS OF SCHOOL PLANT DATA FOR ALL TENNESSEE SCHOOLS

Usable questionnaires were received from a total of 1451 schools. This represented a return of 81.4 percent since questionnaires were mailed to each of the 1783 principals of public schools listed in <u>DIRECTORY of Public Schools</u> for 1972-1973 (20). Hereafter the term 'all Tennessee schools' is used to refer to the 1451 public schools for which usable questionnaires were available.

In many of the response categories there were a few questionnaires that contained no information. Thus several of the tables that summarize the data include an entry labeled 'no response.' All percentages reported for actual questionnaire items were based on the figure that appears as the 'total' for each of the items. In most cases this is 1451, but in some categories the figure is less than 1451 due to lack of response.

In this section of the report all statistics pertain to the category
'all Tennessee schools.' Accompanying the statistics is a discussion of

(1) the questionnaire items used to collect the data from which the statistics
were derived and (2) the bases for interpretation of the statistics.

ENROLLMENT

Optimum School Size

The optimum size of a school is a matter that varies according to the educational program being provided and the policies of the given school district. The school should be large enough to take advantage of certain economies of operation, but not so large that students feel lost or overwhelmed.

At the elementary level the Council of Educational Facility Planners recommends a minimum enrollment of 300 pupils for educational efficiency and operational economy (8, p. 31). If the enrollment exceeds 500 educational disadvantages tend to offset any advantages offered by economy of operation. The criterion might be stated, "If the principal can't remember the names of all his students, the school is too big" (13, p.28).

Optimum school size at the secondary level is particularly hard to calculate because of the wide variety of subjects students may elect. However, a minimum of 300 students is generally recommended to take advantage of economies of operation. Educational opportunities and operational economies increase greatly as the secondary enrollment figure approaches 500, and slightly as the figure climbs to 800. But past the 1000-student mark educational disadvantages outweigh any further advantages of increased size (8, p. 32).

The Council of Educational Facility Planners did not include minimum and maximum enrollment figures for middle and combined schools in the 1969 Guide (8). However, from the guidelines stated above it might be inferred that neither type of school should enroll fewer than 300 students. Other sources have suggested that middle school enrollments should not exceed 700, while combined school enrollments should not exceed 1000.

Table 2.1 presents the optimum enrollment figures for each organizational level.



¹In Sections 2, 3, and 4 the organizational level 'combined (and unknown)' has been abbreviated as 'combined.'

Table 2.1 Optimum School Enrollment for Four Organizational Levels

Organizational Level	Optimum Size									
Elementary	300 - 500 students*									
Middle	300 - 700 students									
Secondary	300 - 1000 students *									
Combined	300 - 1000 students									

*Recommendations of Council of Educational Facility Planners (8, pp. 31-32)

Tables 2.2-2.6 present information on school size in Tennessee obtained from responses to the item in the questionnaire "Description of School Plant Facilities in Tennessee" which was stated, "How many students were enrolled at your school as of September 30, 1972?"

These figures reveal that, at least according to the Council of Educational Facility Planners, there were at the time of this study some schools in Tennessee that did not meet optimum enrollment standards. More than one-fourth (26.5 percent) of all Tennessee schools were too small, i.e., they had fewer than 300 students. Looking at these data by organizational level, 35.8 percent of the elementary schools were too small; 4.6 percent of the middle schools fell below the minimum standard; 4.3 percent of the secondary schools were too small; and 16.7 percent of the combined schools were underenrolled.

At the opposite end of the comtinuum, 34.7 percent of Tennessee's elementary schools had an enrollment that exceeded the maximum of 500 students set by the Council of Educational Facility Planners. At the other

Table 2.2 Number and Percentage of All Tennessee Schools Occurring in Various Enrollment Size Categories

Enrollment		Frequency	Percentage
1 - 100	•	87	6.0
101 - 299*		296	20.5
300 - 500		407	28.2
501 - 700		316	21.9
701 - 1000		202	14.0
1001 - 1500		111	7.7
1501 - 2000		22	1.5
2001 - 9999		2	0.1
	TOTAL	1443	100.0

*This interval was used to determine the number of schools enrolling <u>fewer than</u> 300 students, since the standard for minimum school size set by the Council of Educational Facility Planners (8, pp. 31-32) was stated in this manner.



Table 2.3 Number and Percentage of Elementary Schools in Tennessee Occurring in Various Enrollment Size Categories

Enrollment	Frequency	Percentage				
1 - 100	82	8.3				
101 - 299*	272	27.5				
300 - 500	291	29.5				
501 - 700	217	22.0				
701 - 1000	103	10.4				
1001 - 1500	22	2.2				
1501 - 2000	1	0.1				
2001 - 9999	0	0.0				
TOTAL	988	100.0				

^{*}This interval was used to determine the number of schools enrolling fewer than 300 students, since the standard for minimum school size set by the Council of Educational Facility Planners (8, pp. 31-32) was stated in this manner.

Table 2.4 Number and Percentage of Middle Schools in Tennessee Occurring in Various Enrollment Size Categories

Enrollment		Frequency	Percentage
1 - 100		0	0.0
101 - 299*		7	4.6
300 - 500		32	21.2
501 - 700		39	25.8
701 - 1000		45	29.8
1001 - 1500		26	17.2
1501 - 2000		2	1.3
2001 - 9999		0	0.0
	TOTAL	151	100.0

^{*}This interval was used to determine the number of schools enrolling <u>fewer than</u> 300 students, since the standard for minimum school size set by the Council of Educational Facility Planners (8, pp. 31-32) was stated in this manner.



Table 2.5 Number and Percentage of Secondary Schools in Tennessee Occurring in Various Enrollment Size Categories

Enrollment		Frequency	Percentage
1 - 100		2	0.9
101 - 299*		8	3.4
300 - 500		55	23.7
501 - 700		36	15.5
701 - 1000		49	21.1
1001 - 1500		62	26.7
1501 - 2000		18	7.8
2001 - 9999		2	0.9
	TOTAL	232	100.0

^{*}This interval was used to determine the number of schools enrolling <u>fewer than</u> 300 students, since the standard for minimum school size set by the Council of Educational Facility Planners (8, pp. 31-32) was stated in this manner.



Table 2.6 Number and Percentage of Combined Schools in Tennessee Occurring in Various Enrollment Size Categories

Enrollment		Frequency	Percentage
			
1 - 100		3	4.2
101 - 299*		9	12.5
300 - 500		29	40.3
501 - 700		24	33,3
701 - 1000		5	6.9
1001 - 1500		í	1.4
1501 - 2000		1	1.4
2001 - 9999		0	0.0
	TOTAL	72	100.0

*This interval was used to determine the number of schools enrolling <u>fewer than</u> 300 students, since the standard for minimum school size set by the Council of Educational Facility Planners (8, pp. 31-32) was stated in this manner.



levels, 48.3 percent of the middle schools exceeded the maximum of 700; 35.4 percent of the secondary schools exceeded the maximum of 1000; and 2.8 percent of the combined schools exceeded the 1000 mark.

Overcrowding

According to Candoli (4), crowded conditions in a school can have deleterious effects on programming. When facilities are too small to accommodate the number of students to be served, the desired educational program may have to be modified or even curtailed.

Schools are usually designed to serve some general number of states when operating at capacity. Comparing this capacity enrollment figure for each school in Tennessee with that school's enrollment as of September 30, 1972 should have given some indication of the extent of overcrowding, if any, at the school. If the enrollment/capacity ratio for a school plant exceeded 1, that plant was too small for the number of students being served. According to this criterion approximately 26.8 percent of all Tennessee schools were overcrowded (see Figure 2.1) in September 1972.

SIZE OF SITE

The school site should promote health, safety, and learning. It should be large enough to provide ample room for the school building plus space for outdoor play and play equipment, physical education activities and athletics, outdoor study of the environment, meeting places for students, and parking spaces for school personnel and visitors. The site should permit the kind of landscaping that will enhance the beauty of the school (8, p. 53).



FIGURE 2.1 NUMBER AND PERCENTAGE OF ALL TENNESSEE SCHOOLS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROL	LMENT/CAPACITY			'
a"	RATIO	NUMBER	PERCENTAGE	' i '
ABOVE	0.0- 0.5	61	4,3	##
ABCVE	0.5- 0.8	344	24.2	, *********
, ABOVE	0.8- 1.0	- 633	44.6	**********
-A8CVE	1.0- 1.5	356	25.1	*******
ABOVE	1.5- 2.0	22	1.6	 *
ABOVE	2.0-13.0	3	0.2	
,,,,,,,	TOTAL	1419*	100.0	
		-	ī	101 201 301 401 501 601 701 801 901 1001
) et a
ŠČHŌ	OLS THAT EXCEED	CAPACITY:	381	26.8

*1419 of 1451 respondents provided data on enrollment and capacity

As a minimum amount of space for accommodating these needs at various organizational levels the Council of Educational Facility Planners (8, p. 60) has recommended these site sizes:

- 1) Elementary 10 acres plus 1 acre for each 100 pupils*
- 2) Junior high (or middle) 20 acres plus 1 acre for each 100 pupils*
- 3) Senior high 30 acres plus 1 acre for each 100 pupils*

*For each 100 pupils of projected ultimate maximum enrollment.

The Council did not consider requirements for combined schools, but since combined schools include the senior high grades it seemed appropriate to use the senior high standard:

4) Combined - 30 acres plus 1 acre for each 100 pupils of projected ultimate maximum enrollment

Figure 2.2 provides a picture of school site size at all Tennessee schools: 82.1 percent of the schools were located on sites of less than 20 acres in 1973; 10.3 percent had sites of 20-30 acres; 7.6 percent had sites of 30 acres or more.

The median school site size for all Tennessee schools was 9 acres, i.e., half the schools had sites smaller than 9 acres and half had sites larger than 9 acres.

These statistics make it clear that according to national standards most school sites in Tennessee were much too small at the time these data were supplied. In calculating the exact number of inadequate sites the Council's specifications were altered slightly for the purposes of this study. Since many of Tennessee's schools were attempting in 1972-73 to serve a number of students that exceeded their 'projected ultimate

FIGURE 2.2 NUMBER AND PERCENTAGE OF ALL TENNESSEE SCHOOLS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES	NUMBER	PERCENTAGE	
O- LESS THAN 1	Q	0.0	
1- LESS THAN 5	295	21.0	**********
5- LESS THAN 20	429	30.6	
10- LESS THAN 20	428	30.5	**********
20- LESS THAN 30	144	10.3	- *****
30- LESS THAN 50	. 77	5.5	The state of the s
50- (LESS THAN 100	30	2.1	I ♥
MATOTAL	1403*	100.0	
•			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
•			

MEDIAN SCHOOL SITE SIZE IS 9 ACRES

*1403 of 1451 respondents provided data on school site size

maximum enrollment,' the decision was made to use present enrollment to calculate the number of additional acres beyond the base acreage figure which would be needed to provide adequate space for any given school at each organizational level. For example, an elementary school with a current enrollment of 300 needed a school site of 10 acres plus 300/100, or 13 acres, to be declared 'adequate' with regard to the site size criterion.

A school with students enrolled in grades 1-12 (a 'combined' school) and current enrollment of 500 needed 30 acres plus 500/100, or 35 acres.

Using the Council's basic figures and present enrollment to calculate additional acreage needed, it was found that only 16.3 percent of all Tennessee schools met the national school site size requirements (see Table 2.7). To be more specific:

- 1) 12.3 percent of Tennessee's <u>elementary</u> schools had a site as large as 10 acres plus 1 acre for each 100 students enrolled on September 30, 1972.
- 2) 1.6 percent of Tennessee's middle schools had a site as large as 20 acres plus 1 acre for each 100 students enrolled on September 30, 1972.
- 3) 2.3 percent of Tennessee's <u>secondary</u> schools had a site meeting the requirement of 30 acres plus 1 acre for each 100 students enrolled on September 30, 1972.
- 4) .1 percent of Tennessee's <u>combined</u> schools had a site meeting the requirement of 30 acres plus 1 acre for each 100 students enrolled on September 30, 1972.





Table 2.7 Number and Percentage of All Tennessee Schools Meeting Site Size Requirements at Each of Four Organizational Levels

Organizational Level		Number	Percentage
 Elementary		172	12.3
Middle		22	1.6
Secondary		32	2.3
Combined		2	<u>1</u>
•	TOTAL	228	16.3

AGE OF ORIGINAL, ADDITIONAL, AND TEMPORARY STRUCTURES

The age of a school building can be an important factor in assessing its adequacy. The process of projecting costs for maintenance and modernization of a school must utilize the age of existing facilities because the life cycle of a school is characterized by different requirements at various stages.

Basil Castaldi has summarized a section of the life cycle of a school which was taken from Benjamin Handler's Economic Planning for Better Schools (University of Michigan, 1960):

Phase I, the First 20 Years - Expenditures are made primarily for small improvements in heating, lighting, and plumbing and for changes necessitated by educational innovations such as team teaching, language labs, and the open space classroom concept.



Phase II, the Period of Mechanical Replacement; Occurs Between Ages

20-30 - Required annual maintenance becomes more extensive and expensive,
and the need for replacing worn-out mechanical equipment becomes more

frequent.

Phase III, the Period of Rapid Growth in General Maintenance; Lies

Between Ages 30 and 40 - A wide range of physical problems begins to

demand attention. *Most of the original mechanical equipment has been

replaced or needs overhauling. The roof and service systems may require

repair or replacement. The brickwork should be re-pointed, and

lighting fixtures may need to be improved.

Phase IV, the Climax; Occurs Between the Ages of 40 and 50 - This is the crucial period in the life of a school building. The process of deterioration accelerates and its effect is becoming increasingly noticeable. The character of the neighborhood may have changed from residential to industrial or commercial so that the school is no longer needed where it is located. Also, its educational inadequacies may have become so serious that it is no longer suited for a modern educational program. The choice must be made between abandoning the building and making it more functional via costly remodeling.

Phase V, the Period Beyond 50 Years of Age - Although schools now are being built to last longer, the majority of school buildings are retired

This information on the life cycle of a school prompted the writer to calculate the number of Tennessee public schools occurring in various

from service between 60 and 80 years of age (5, pp. 314-316).



phases. Of the 1413 schools providing information on the year of construction of the oldest structure in use, 573 or 40.6 percent of the 'original' structures were under 20 years of age; 503 or 35.6 percent were between 20 and 40 years of age; and 337 or 23.8 percent were 40 years of age or older.

The oldest school represented in the survey was built in 1848. This structure and 64 other original buildings plus 7 additions, which were reported to be 60 years of age and older, probably should be retired from service. See Table 2.8 for a more complete picture of the stages in the school life cycle which had been attained by Tennessee's school buildings at the time this survey was conducted.

A more detailed summary of the questionnaire responses pertaining to school age appears in Table 2.9.

Additions

The ability to remodel or add to an existing structure is a mixed blessing. The public more readily accepts renovation or expansion of existing schools than rebuilding. But additions may be hard to justify in terms of economy, pupil convenience, and need for additional capacity in the present school location. An addition that makes good sense in the short-range view may prove to be a serious mistake in a long-range building program. Thus careful study is essential when expansion of existing facilities is being considered.

Castaldi has offered the following guidelines for making decisions regarding school additions. Adding to an existing school is financially



TABLE 2.8 NUMBER AND PERCENTAGE OF ALL TENNESSEE SCHOOL BUILDINGS OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	ÓR	IGINAL **		**100A		ADD2*	k	ADD3**		TEMP1**		TEMP2**		TEHP3**	r
60 OR OVER	65	4.6	5	0.6	1	0.2	. 1	0,4	0	0.0	0	0.0	0	0.0	
40- LESS THAN 60	272	19.2	41	5.2	13	2.4	0	0.0	1	0.4	0	0.0	0	0.0	
20- LESS THAN 40	503	35.6	272	34.3	108	19.7	33	14.1	7	2.8	4	3.4	1	1.3	
LESS THAN 20	573	40.6	476	59.9	426	77.7	200		242	96.8	114	96.6	75	98.7	,
TOTAL	14 <u>1</u> 3*	100.0	794	100.0	548	100.0	234	100.0	250	100.0	118	100.0	76	100.0	

TABLE 2.9 NUMBER AND PERCENTAGE OF PUBLIC SCHOOL BUILDINGS IN TENNESSEE CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	ŎŔ:	IGINAL **	ŧ	AON1**		ADD2**		ADD3**		TEMP1**		TEMP2 **		TEMP3**
AFTER 1840 - 1870	4	0.3	0	0.0	0	0.0	. 0	0.0	0	0.0	0	0.0	0	0.0
ARTER 1870 - 1880	4	0.3	0	0.0	0	0.0	. 0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1880 - 1890	5	0.4	0	0.0	Ó	0.0	Ò	0.0	Ō	0.0	Ō	0.0	0	0.0
AFTER 1890 - 1900	10	0.7	3	0.4	0	0.0	0	0.0	0	0.0	Q	0.0	0	0.0
AFTER 1900 - 1910	31	2.2	1	0.1	1	0.2	1	0.4	Ō	0.0	0	0. Ó	. 0	.0.0
AFTER 1910' - 1920	70	5.0	9	1.1	2	0.4	0	0.0	1	0.4	0	0.0	0	0.0
AFTER 1920 - 1930	173	12.2	29	3.7	8	1.5	Q	0.0	0	0.0	Ō	0.0	0	0.0
AFTER 1930 - 1940	193	13.7	53	6.7,	21	3.8	4	1.7	2	0.8	0	0.0	Ō	0.0
AFTER 1940 - 1950	229	16.2	130	16.4	52	9.5	12	5.1	1	0.4	2	1.7	1	1.3
AFTER 1950 - 1960	381	27.0	316	39.8	202	36.9	57	24.4	20	8 <u>.</u> 0	6	5.1	2	2.6
AFTER 1960 - 1970	255	18.0	227	28.6	225	41.1	136	58.1	145	58.0	64	54.2	34	44.7
AFTER 1970 - 1973	58,	4.1	26	3.3	37	6.8	24	10.3	87	. 32.4	46	39.0	. 39	51.3
TOTAL	1413**	100.0	794	100.0	548	100.0	234	100.0	250	100.0	118	100.0	76	100.0

	ORIGINAL	ADD1	ADD2	ADD3	TEMP1	TEMP2	TEMP3
OLDEST STRUCTURE	1848	1898	1910	1909	1917	1945	1949
MEAN YEAR OF CONSTRUCTION	1946	1954	1958	1962	1967	1968	1969
MOCAL YEAR OF CONSTRUCTION	1950	1954	1965	1964	1971	1971	1972

*1413 of 1451 respondents provided data on age of 'original' building



^{**}Since the majority of schools in Tennessee had additions and many had temporary structures, the questionnaire
"Description of School Plant Facilities in Tennessee" provided space for respondents to answer all items pertaining
to 'buildings' in one or more of the seven starred categories above.

or educationally questionable if:

- The school under consideration is no longer needed in its present location.
- The building has structural defects that cannot be corrected at a reasonable cost.
- 3. The school is educationally obsolete and cannot be modernized at a reasonable cost.
- 4. The building is unsafe or unhealthful and cannot be made safe and sound at a reasonable cost.
- 5. The site is inadequate and cannot be expanded or improved at a reasonable cost.
- 6. The addition would not be part of <u>both</u> a short- and long-range building program.
- 7. The cost of adding to the school is unreasonable in relation to the probable useful life of the existing building (5, p. 62).

With such stringent requirements for justifying additions to existing schools, it is, perhaps, remarkable that so many of the public schools in Tennessee have utilized additions. A total of 913 schools, or 62.9 percent of the schools represented in this survey, had at least one addition:

30.3 percent had one addition; 19.5 percent had two additions; and 13.1 percent had at least three additions.

Space was not provided on the questionnaire for information on more than three additions. A number of principals, however, indicated that they had more than three. The number of schools reported as having four



or more additions was 172. This must be considered a minimum figure, however, since it represents information volunteered rather than requested in the questionnaire. Of this number

- 120 schools had four additions.
- 29 schools had five additions.
- 17 schools had six additions.
- 5 schools had seven additions.
- 1 school had nine additions.

Temporary Structures

Most educational facility planners do not even discuss temporary structures. In a school plant survey conducted in Monroe County, Florida (9) the investigators characterized portable temporary units as facilities providing "valuable flexibility in growing counties." But, as with any temporary addition, portable units are not to be considered as an integral part of the school plant where they may be located at any given time, and they are not assigned any desirable pupil capacity. The inference to be drawn is that temporary structures should be replaced by permanent ones as soon as possible.

Of the schools represented in this survey 21.2 percent had at least one temporary structure: 14 percent had one temporary structure, 4.9 percent had two, and 2.3 percent had at least three temporary structures.

Again some principals wrote in the number of temporary structures, if more than three, even though this information was not requested. Seven schools were reported to have more than three temporary structures.



Of this number

- 1 school had four temporary structures.
- 3 schools had five temporary structures.
- 1 school had ten temporary structures.
- 1 school had twelve temporary structures.
- 1 school had thirteen temporary structures.

BASEMENTS USED FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

When needed instructional areas are not present in a school plant, substandard spaces in basements, attics, or storerooms may be pressed into service. Although there are some notable exceptions, basements generally do not provide a suitable instructional environment (8, p. 31).

Table 2.10 summarizes the situation with regard to use of basements in Tennessee's public schools.

Table 2.10 Number and Percentage of Public School Buildings in Tennessee Utilizing Basements for Instruction or Other Programs Involving Students

	Original	Add1	Add2	Add3	Temp1	Temp2	Temp3
Number	271	73	53	23	5	2	2
Percentage	18.7	9.2	9.7	9.8	2.0	1.7	2.6

At the time of this survey the basement of some part of the school plant was being used for instruction or other programs involving students by 338 or 23.3 percent of all the schools in Tennessee. Roughly 20 percent



of all 'original' buildings had a basement in which student programs were carried out. Just under 10 percent of all additions, and approximately 2 percent of all temporary structures had a basement so utilized.

HEIGHT OF BUILDING

The height of a school building, i.e., how many stories it contains, has important implications for the safety rating of a school plant. Resistance to fire must be a key concern in deciding how many stories a school building should contain. In its 1958 <u>Guide</u> the National Council on Schoolhouse Construction published a set of general specifications for the construction of adequately fire-resistive structures of various heights.

One-story buildings are relatively safe, and may be constructed of any type of suitable materials as long as adequate exit facilities are made available, and "hot spots" like furnace rooms are sufficiently isolated.

Two-story buildings may not be considered safe from fire unless the builder uses fire-resistive materials for exterior walls, corridors and stairs.

Adequate exit facilities must also be provided. Buildings of three or more stories should be fire-resistive throughout except that wood may be used for cloor coverings and trim (14, p. 155).

One of Tennessee's minimum standards for the construction of school buildings has been stated,

All buildings of frame construction shall be only one story high. All two-story buildings shall have at least fire-resistant corridors and fire-resistant stairways with non-skid treads, and all buildings of three or more stories shall be of fire-resistant materials except doors, windows, floor covering, and roofing (19, p. 59).



When the size of the site for a school does not prohibit construction of a one-story structure of sufficient size, most facility planners recommend the one-story plan. Multi-story buildings seldom save a school system money because (1) so much extra space is needed for stairways and (2) the more rigidly fireproof construction demanded by most building codes is more costly than construction materials for a one-story building (13, p. 130).

The decided preference for one-story public school buildings in Tennessee can be seen in Table 2.11.

Tennessee has required that no building of frame construction shall exceed a height of one story. Principals providing information on 'number of stories' and 'exterior construction of building' in the questionnaire "Description of School Plant Facilities in Tennessee" indicated that there were ten structures of more than one story built exclusively of wood: four 'original' buildings, five additions, and one temporary structure.

In characterizing the ability of buildings constructed prior to 1920 to resist fire, the Council of Educational Facility Planners has stated "Fire-resistive ratings may be questionable and far below today's standards" (8, p. 153). This same group has pointed out that multi-story buildings must be constructed primarily of fire-resistive materials in order to provide acceptable pupil protection against fire hazards. Thus the fire resistance of buildings of more than one story constructed prior to 1920 is clearly open to serious question. In 1973 at least 115 of Tennessee's public school buildings were in this category: 104 original buildings and 11 additions.



TABLE 2.11 NUMBER AND PERCENTAGE OF PUBLIC SCHOOL BUILDINGS IN TENNESSEE HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES	OR	IGINAL		ADDL		ADD2		ADD3		TEMP1		TEMPZ			TEMP3
1 STORY	934	64.4	550	69.3	400	73.0	179	76.5	239	95.6	111	94.1	,	74	97.4
2 STORSES	399	27.5	214	27.0	119	21.7	48	20.5	10	4.0	7 .	5.9		1	1.3
3 STORIES	116	8.0	30	3.8	29	5.3	7	3.0	1	0.4	0	0.0		1	1.3
4 STORIES	2	0.1	0	0.0	0	0.0	Q	0.0	0	0.0	0	0.0		0	0.0
TOTAL	1451	100.0	794	100.0	548	100.0	234	100.0	250	100.0	118	100.0		76	100.0



EXTERIOR CONSTRUCTION MATERIALS

The choice of building materials for the exterior of a school is influenced by many factors, including the climate of the area in which the school is to be located, availability of various building materials in the area, aesthetics, and costs. Fire resistance is a primary consideration. The most fire resistive building materials are reinforced concrete, concrete block, brick and stone (2, p. 18). Wood frame, of course, is the most combustible building material.

A publication of the American Institute of Architects (15) contained the following statement on building materials:

In any structural system, basic materials used are concrete, steel, and wood. Concrete has the advantage of being, in itself, fire resistant and, because it is a plastic material, it is easily adapted to unusual shapes. Its disadvantage is characteristic heavy weight. Consideration should be given to this material both as cast-in-place and as precast units. Steel is readily fabricated from structural shapes, lightweight bars and sheets into structural members that will meet almost any condition. In itself, it is not a fire-resisting material. It does produce construction that is light in appearance. Wood is the simplest material to handle in a great many respects and is perhaps the easiest to fabricate. Use of high-grade, waterproof glues with laminated construction and use of modern metal connectors to increase strength of joints has given wood construction new possibilities. Of course, it has the disadvantage of being a combustible material (p. 51).

The publication Schoolhouse presented a chart on exterior wall construction (13, pp. 182-184). A brief description and illustration of each type of wall construction was given, along with information on its fire-rating, insulating quality, maintenance characteristics, load bearing properties, and installation and maintenance costs.

The item on 'exterior construction of building' in the questionnaire
"Description of School Plant Facilities in Tennessee' presented the following



list of building materials:

brick

metal

concrete

wood

stone

other

Respondents were asked to 'check all that apply' for each 'original' building, addition, and temporary structure. The responses obtained produced a large number of combinations of building materials. By far the most popular building material for schools in Tennessee, however, was brick. Thus the only combinations of materials that contained enough entries to warrant individual mention were those that included brick.

Table 2.12 presents information on the types of building materials used for public school exteriors in Tenne

HEATING, COOLING, AND LIGHTING SYSTEMS

The element of comfort must be considered when planning educational facilities because psychologists and educators agree that human comfort is conducive to efficient learning (5, p. 207). Temperature and humidity control and appropriate lighting are important ingredients in a comfortable school environment.

Heating Equipment

As a minimum standard for its school buildings the State of Tennessee has required that

Open flame space heaters shall not be used in classrooms. When gas heaters are used in classrooms, such heaters shall be provided with air for combustion taken from the outside of the classroom. Gas heaters shall be of a vented type connected to an effective chimney or gas vent which shall extend above the eaves or parapet wall at least 18 inches (19, p. 68).



TABLE 2.12 NUMBER AND PERCENTAGE OF PUBLIC SCHOOL BUILDINGS IN TENNESSEE USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

3.43	OR	GINAL		ADD1	•	ADD2		ADD3		TEMP1		TEMP2		TEMP3
BRICK	1080	74.4	623	78.5	437	79.7	180	76.9	23	9.2	9	7.6	4	5.3
WOOD .	32	2.2	9	1.1	7	1.3	2	0.9	58	23.2	27	22.9	16	21.1
METAL	3	0.2	5	0,6	9	1.6	5	2.1	122	48.8	6 <u>2</u>	52.5	38	50,0
STCNE	16	1.1	3	0.4	2	0.4	0	0.0	0	0.0	0	0.0	0	0.0
CONCRETE	32	2.2	25	3.1	11	·2•0	10	4,3	2	0.8	Q	0.0	0	0.0
· OTHER	6	0.4	8	1.0	6	1.1	4	1.7	8	3.2	. 3	2.5	4	5.3
BRICK, WOOD	25	1.7	9	1.1	1	0.2	0	0.0	ļ	0.4	Û	0.0	0	0.0
BRICK, METAL	28	1.9	10	1.3	5	0.9	3	1.3	ļ	0.4	0	0.0	0	0,0
BRICK, STONE	12	0.8	5	0.6	4	0.7	0	0.0	0	0.0	0	0.0	0	0.0
BRICK, CONCRETE	83	5.7	35	4.4	20	3.6	10	4.3	3	1.2	1	0.8	1	1.3
BRICK. OTHER	8	0.6	, 3	0.4	1	0.2	1	0.4	0	0.0	0	0.0	0	0.0
BRICK, WOOD, METAL	5	0.3	5	0.6	1	0.2	1	0.4	.0	0.0	Ō	0.0	0	0.0
BRICK, WOOD, CONCRETE	12	0 • B	6	0.8	5	0.9	Ì	0.4	Ō	0.0	0	0.0	0	0.0
BRICK, METAL, CONCRETE	48	3.3	. 16	2.0	7	1.3	1	0.4	j	0.4	1	0.8	0	0.0
BRICK, STONE, CONCRETE	6	0.4	2	0.3	1	0.2	1	0.4	Ō	0.0	Ŏ,	0.0	0	0.0
BRICK, WOOD, METAL, CONCRETE	11	0 • B	5	0.6	3	0.5	Ž	0.9	0	0.0	0	0.0	0	0.0
ALL OTHER COMBINATIONS	37	2.5	9	1.1	5	0.9	2	0.9	17	6.8	6	5.1	4	5.3
NO RESPONSE	7	0.5	16	2.0	23	4.2	11	4.7	14	5.6	9	7.6	, 9	11.8
TOTAL	1451	100.0	794	100.0	548	100.0	234	100.0	250	100.0	118	100.0	76	100.0

A strong argument in favor of a central eating system as opposed to individual space units has been presented by the Council of Educational Facility Planners:

Sudden fluctuations of heating or cooling in room air temperature. . . should not be more than $\pm 1^{\circ}F$., and preferably less. This requirement is highly important since it is physiologically distracting and uncomfortable to require the temperature regulation system of the body to constantly adjust back and forth through sudden temperature changes. . .

Further temperature impingements can occur if there are cold or hot areas in the room. These areas will affect students as they change task locations. Room air temperatures should not vary more than ±1°F. vertically or horizontally up to the five foot level and to within one foot of exterior walls (8, p. 118).

Space heaters for individual rooms simply could not meet such specifications for an optimal thermal environment.

The questionnaire "Description of School Plant Facilities in Tennessee" contained an item dealing with heating equipment which provided the following alternatives: central (system for entire building) space (individual room units).

Respondents were asked to check the type of system found in the 'original' building, all additions, and all temporary structures. Some principals checked both 'central' and 'space'. This could have meant that some space heaters were being used to supplement a central system. Unfortunately, it also coul' have meant that the principals misunderstood the intended distinction between the two types of systems.

Table 2.13 summarizes responses of the principals to the item concerning type of heating equipment.

Space heaters were being used as the sole source of heat in 9

percent of the State's 'original' buildings. But as structures were

added to Tennessee's school plants, the use of space heaters evidently



TABLE 2.13 NU	MBER AND	PERCENTAGE	E OF F	PUBLIC :	SCHOOL BU	ILDINGS	IN TENN	ESSEE U	SING CEN	TRAL AN	D/OR SPA	CE HEAT	ING EQUI	PMENT
	O	RIGINAL		ACD1		ADC2		ADD3		TEMPI		TEMPZ		TEMP3
JUST CENTRAL	1229	84.7	634	79.8	429	78.3	171	73.1	81	32.4	37	31.4	20	26.3
JUST SPACE	131	9.0	84	10.6	64	11.7	36	15,4	137	54.8	65	55.1	42	55.3
CENTRAL & SPACE	69	= -	32	4.0	17	3.1	6	2.6	8	3.2	4	3.4	2	2.6
NO RESPONSE	22	1.5	44	5,5	38	6.9	21	9.0	24	9.6	12	10.2	12	15.8
TOTAL	1451	100.0	794	100.0	548	100.0	234	100.0	250	100.0	118	100.0	76	100.0
TABLE 2.14 NU	WAER AND	PERCENTAGE	E OF 1	PUBLIC !	SCHOOL BU	IILDINGS	IN TENN	ESSEE H	AVING SP	ECIFIED	TYPES O	F COOLII	NG EQUIP	MENT
THE PERSON NAMED IN			= = - ·	**==-	ı									
	0.	RIGINAL		ACDI		ADDZ		ADD3		TEMP1		TEMP2		TEMP3
JUST CENTRAL	215	14.8	83	10.5	63	11.5	36	15.4	96	38.4	44	37.3	30	39.5
TINU WOQNIW TZUL	313	21.6	136	17.1	91	14.8	32	13.7	55	22.0	26	22.0	20	26.3
CENTRAL & WINDOW	10	0.7	6	0.8	' 0	0.0	1	0.4	1	0.4	1	0.8	0	0.0
NO MECHANICAL	913	62.9	569	71.7	404	73.7	165	70.5	. 98	39.2	47	39.8	26	34.2
TOTAL	1451	100.0	794	100,0	548	100.0	234	100.0	250	100.0	118	100.0	76	100.0
WINDOW WITH	COOLING													
	٥	P IGINAL		ADD1		ADD2		` ADD3		TEMPI		TEMP2		TENP3
ALL ROOMS	138		73	51.4	35	43.2	16	48.5	33	58.9	20	74.1	12	60.0
SELECTED ROOMS	148		48	33.8	30	37.0	11	33.3	7	12.5	3	11.1	4	20.0
NO RESPUNSE	37		21	14.8	16	19.8	6	18.2	16	28.6	4	14.8	4	20.0
TOTAL	323		142	100.0	81	100.0	33	100.0	56	100.0	27	100.0	20	100.0
TABLE 2.15 NUI	MBER AND ING SPEC	PERCENTAGE IFIED TYPES	E 0F 1	PUBLIC !	SCHOOL BU G IN INST	ILDINGS RUCTIONA	IN TENN L AREAS	ESSEE					•	
				1551		inna		EANA		TEMPI		TEMP2		TEMP3
***************		RIGINAL	929	ACOL	133	AD02	56	ADD3 23.9	20	8.0	7	5.9	3	3.9
INCANDESCENT	476	•	247	31.1	133 374	24.3 68.2	160	68.4	216	86.4	99	83.9	62	81.6
FLUCRESCENT	882	60.8	495	62.3	10	1.8	100	0.9	1	0.4	0	0.0	Ž	0.0
BOTH	37	2.5	17 15	2.1 1.9	13	. 2.4	1	0.4	1	0.4	Õ	0.0	ĭ	1.3
CTHER	60 7	4.1 0.5	51	2.6	20	3,6	15	6.4	12	4.8	12	10.2	10	13,2
NO RESPONSE Total	1451		794	100.0	548	100.0	234	100.0	250	100.0	118	100.0	76	100.0
IVIAL	1451	¥ AA # A	177	*****	214	2 ? *	#= 1		****				-	-



increased. Roughly 12 percent of the additions and 55 percent of the temporary structures were using space heaters alone.

Cooling Systems

Children become restless in a classroom that is too cold because they feel the need to move around in order to generate body heat. In a room that is too hot, children tend to daydream and become drowsy.

According to the Council of Educational Facility Planners,

. . .for an optimum environment with maximum learning efficiency in an occupied classroom it is recommended that an air temperature of $72^{\circ}F$. be maintained. . .

The upper limit of air temperature is 79°F. which is the temperature beyond which sweat gland activity increases abnormally. Excessive perspiring is a great cause of student discomfort.

The relative humidity of a schoolroom should not be permitted to go below 25 percent nor above 60 percent. Air saturated with moisture (100 percent humidity) interferes with body temperature regulation. (Perspiration cannot evaporate and produce a cooling effect unless the air can absorb the moisture) (8, p. 118).

Optimum temperature and humidity control can be provided only by some type of mechanical cooling system.

To strengthen the case for air conditioning the following argument was presented in Schoolhouse:

Many business firms actually figure they save money by investing in air conditioning equipment—their employees do better work if they are comfortable. In the same way, efficiency in learning may be the pay-off for cooling schools. Advocates also insist that air conditioned schools will make the twelve—month school feasible, and point out that the twelve—month session could yield the equivalent of a 25 per cent increase in classroom space. . . Further, since an adequate school ventilation system is usually required by codes anyway, and a system of ducts adequate for forced warm air needs very little enlargement to become adequate for complete air conditioning, air conditioning may actually cost less in school buildings than in many other building types (13, p. 186).



Window air conditioning units of sufficient capacity for the areas in which they are used can provide an acceptable degree of temperature and humidity control. But for efficiency and economy, central air conditioning is preferable. Castaldi has pointed out

As a rule, heating, cooling, and ventilating are conceived as a single system rather than three isolated and independent systems. Each of these three types of mechanical equipment could operate quite satisfactorily as an independent unit from the standpoint of engineering design, but it would not be economical for it to do so, since many parts of an integrated system can be designed for dual or triple use (5, p. 215)

The questionnaire designed for the present study included an item on 'type of cooling equipment' primarily for the purpose of ascertaining how many Tennessee schools were equipped to provide a comfortable environment for students on a twelve-month basis. The alternatives presented with this item included: Central air conditioning system

Window units for individual rooms

No mechanical cooling system.

Respons s were included for 'original' buildings, all additions, and all temporary structures.

Since many schools equip only administrative offices with window air conditioners when these are purchased, space was provided in the questionnaire for principals checking 'window units' to indicate whether such units were used to cool 'all rooms' or 'only selected rooms'.

Table 2.14 presents a summary of the situation in Tennessee schools with regard to types of cooling systems.

At the time this study was conducted less than 40 percent of the State's 'original' buildings and less than 30 percent of all additions



were equipped with some type of mechanical cooling system. Less than

15 percent of these permanent structures had central air conditioning

systems, and 41 percent of structures with window cooling units had

these units only in selected rooms (usually administrative offices rather
than classrooms).

Temporary structures were more likely to be air conditioned than were original buildings or additions: approximately 62 percent had mechanical cooling systems of some type. This state of affairs was probably due to the State requirement that in all 'portable or relocatable buildings', "Mechanical ventilation shall be provided. (Buildings shall be heated and cooled.)" (19, p. 69). Of course many of the 'temporary' structures in the State were 'portable or relocatable'.

Lighting

Creating an appropriate visual environment in a school involves much more than just selecting lamps for lighting units. But since the amount of light produced per kilowatt of power is almost 50 percent greater for fluorescent lamps than for incandescent (5, p. 199), the long-range economy of fluorescents has led facility planners to recommend them for modern school plants. The initial cost of fluorescent fixtures is higher than that for incandescent lighting, but according to Castaldi, a study conducted by a school district near Boston revealed that within seven years the savings in the cost of power compensated for the initial cost and maintenance of fluorescent fixtures.



A publication of Educational Facilities Laboratories contained the statements,

Though incandescent bulbs cast a friendlier light, the schools have opted for the fluorescents because they are more efficient and contribute less unwanted heat gain (16, p. 97).

A mix of fluorescents and incandescents makes for pleasant tone (p. 96).

And finally,

. . .the newer fluorescent tubes have a more desirable warm spectrum range. Thus, the schools now can have fluorescents that combine warm effect and efficiency (p. 97).

An item on 'principal type of lighting in instructional areas' was included in the questionnaire employed in this study. In order to determine the number of schools using the more efficient, more economical fluorescent lamps, the alternatives for this item included

fluorescent

other.

incandescent Once again the item was to be answered not only for the 'original' building but also for all additions and temporary structures.

Table 2.15 displays the response data obtained for the item on lighting in instructional areas.

In 1973 approximately two-thirds of all 'original' public school buildings and additions in Tennessee were equipped with fluorescent lamps as the principal source of lighting for instructional areas. A larger percentage, 85 percent, of the temporary structures in the State utilized fluorescent lighting. This probably was due to the fact that



many of the temporary structures were 'portable or relocatable' buildings, and the State has required that all such structures have fluorescent lighting (19, p. 69).

SOURCES OF WATER SUPPLY

Complete, adequate, well-arranged, and properly maintained sanitary facilities are essential for the health, comfort, and convenience of school occupants. Since the formation of good health habits may be considered a desirable objective of education, schools should provide the appropriate physical facilities that put theory to practice (14, p. 182).

A school plant must have access to an adequate source of water that is both safe and palatable. Where wells are used a minimum supply of 25 gallons of water per day is required to meet the normal needs of each student (5, p. 212). In addition there should be adequate facilities for storing sufficient quantities of water for other needs such as fire fighting and use in laboratories or home economics programs.

A school's drinking water supply must be free from harmful bacteria and nitrogenous or undesirable mineral content as determined by state or local health authorities.

Certainly water supplied from a well could meet all the standards mentioned above. But water supplied by a municipal system, or 'water utility' (the term used in the present study), would generally be considered more dependable, both in terms of quantity and of quality.

An interest in ascertaining the sources of water supply for Tennessee schools led to the addition of a questionnaire item stated, "How does the



school obtain its water?" Alternative responses included

13 Å.

The summary of responses to this item which appears in Figure 2.3 indicates that while most Tennessee schools obtained water from a water utility, more than 13 percent still used a more primitive source in 1973.

PRINCIPALS' PERCEPTIONS OF NEEDS

In order to give principals an opportunity to express their own perceptions of the status of their school plant facilities, an item was included in the questionnaire which asked,

In order to carry out an adequate instructional program for your students, what do you see as the most crucial area of need for your school?

OR 2 Maintenance and repair, of present facilities

Construction of new facilities.

Figure 2.4 provides a summary of the responses to this item.

More than half the principals (52.7 percent) considered maintenance the most crucial need; 36.9 percent favored new construction. Approximately 8 percent of the principals were satisfied with their school plant (indicating no needs at present); but 2.3 percent stated that both maintenance and construction were needed.

Earling to the State of the Control of the Control

The back of the last page of the questionnaire was suggested as the space for adding comments on maintenance and construction needs.

Approximately one-third of the principals took time to provide some



FIGURE 2.3 NUMBER AND PERCENTAGE OF ALL TENNESSEE SCHOOLS USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE	•
WATER UTILITY	1258	86.7	*************************
PUMP ON PROPERTY	182	12.5	- (*******
OTHER (WELLS, ETC.)	11	0.8	
NO RESPONSE	. 0	0.0	
TOTAL	1451	100.0	10X 20X 30X 40X 50X 60X 70X 80X 90X 100X

FIGURE 2.4 NUMBER AND PERCENTAGE OF TENNESSEE PUBLIC SCHOOL PRINCIPALS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCE CONSTRUCTION BOTH	764	52.7	*****************
	535	36.9	************
	34	2.3] *
NEITHER (INCLUDING NO RESPONSE)	118	8.1	 ****
TOTAL	1451	100.0	李·李·李·李·李·苏·李·苏·泰·苏·苏·苏·苏·苏·斯·克·斯·斯·斯·斯·斯·斯·斯·斯·斯·斯·斯·斯·斯
IVIAL		-	107 207 307 407 507 607 707 807 907 1007



personal observations. The discussion below gives some indication of the needs expressed by those principals.

Maintenance Needs

Principals expressed a number of needs in connection with maintenance, repair, and remodeling of present facilities. These needs are summarized below, listed in order of importance as indicated by frequency of response.

- 1) More funds for custodial assistance
 - a) More custodians needed to keep existing facilities clean and in good repair
 - b) Present custodians must be better trained and better paid so they will continue to work at a school
- 2) Air conditioning system
- 3) Updated heating system (installation of central heating system suggested)
- 4) Exterior painting
- 5) Improved lighting
- 6) Roof repair
- 7) Removal of walls to create more open spaces within present building
- 8) Repair of windows
- 9) New plumbing, and expansion and renovation of restroom facilities
- 10) Improved wiring system
- 11) Remodeling to improve allocation of space in present facilities and provide room for (in order of importance as indicated by frequency of response)



- a) larger library
- b) larger cafeteria
- c) storage space for teachers
- d) classrooms for art, music, and other special courses
- e) kindergarten
- f) instructional media center

- g) areas for specialists to work (speech therapists, psychologists, nurses, etc.)
- h) Title I and ESEA programs
- i) teacher conference rooms
- j) office space
- k) improved space for middle school
- 12) Improved flooring (carpeting, tile suggested to cover old wood floors)
- 13) Paving of outdoor play and parking areas
- 14) New sewage treatment facilities

The following items were mentioned more than once, but could not be ranked in order of importance:

Repair of doors

Addition of acoustical tile in various areas

Improvement of school grounds

With regard to school plant maintenance, in 1973 Tennessee law required that

All schools shall have an adequate building maintenance program including attention to the maintenance of floors, painted walls, chalkboards, glass, panic hardware, heating system, lighting system, plumbing system and other integral parts of the school plant (19, p. 54).

The large number of detailed criticisms of school plant maintenance received from principals indicated that at some 100 schools throughout the State an 'adequate building maintenance program' was not in effect at the time of the study.

75

Construction Needs

Principals expressing the need for construction of new facilities based their assessments on one or more of these factors (listed in order of importance as indicated by frequency of response):

- Present facilities overcrowded (some schools using split sessions and/or multiple temporary units)
- 2) Enrollment in the areas served by the school expected to rise precipitously in the near future
- 3) Maintenance of the old facility too costly to continue
- 4) Old facilities clearly inadequate for carrying out current educational programs

Administrators of overcrowded schools characterized some of their hardships:

- 1) Using up to thirteen portable units to house classes
- 2) Operating split sessions
- 3) Classes being held on gymnasium stage and in other unsuitable locations
- 4) Busing several hundred students to a school several miles away due to insufficient space at their own school

Principals utilizing buildings 40 years of age and older described some of their problems:

- 1) Outdated heating system; poor ventilation, no mechanical cooling system
- 2) Multi-story buildings not meeting fire resistance standards
- 3) Outdated, inadequate wiring
- 4) Outdated, poorly designed rooms (size and arrangement inadequate for today's programs)
- 5) Hard-to-operate wooden windows.



A building of poor quality will be expensive to insure and to maintain, and the useful life of the building will be decreased. If it does not adequately accommodate the instructional program the cost of instruction will be increased, and the quality of the educational program will be diminished (15, p. 29).

Several principals indicated that even relatively new buildings had been constructed so poorly that the educational program was jeopardized by the continual need for major repairs.

Some principals specified the types of facilities they needed most if new construction were to take place. Listed in order of importance by frequency of response, these were:

- 1) Indoor play area or gymnasium
- 2) Library
- Space for vocational courses
- 4) Cafeteria
- 5) Facilities for music and art classes
- 6) Kindergarten
- Storage space
- 8) Larger school grounds
- 9) Facilities for handicapped students

The gymnasium and the library headed the list of most-needed facilities in the State. In 1973 Tennessee law required that

Every school shall be provided with an area for physical education consisting of a well drained, smooth, playground, and one of the following:

a) A play room with a minimum of 35 square feet per pupil taking physical education during the peak load (1800 square feet minimum; or



- b) A gymnasium with a minimum floor space of 35 square feet per pupil taking physical education during the peak load (2400 square feet minimum); or
- c) A hard surface outside area with a minimum of 35 square feet per pupil taking physical education during the peak load (19, pp. 62-63).

And with regard to libraries,

In all schools embracing grades 1-8 or any combination of these grades having 15 teachers or more, a library shall be provided to seat the largest class, plus 15 pupils. This space shall be computed on the basis of 25 square feet per pupil. Additional space shall be provided for storage of magazines, audio-visual equipment and materials; and a workroom with running water, shelves, and cabinets. In all schools embracing any combination of grades 7-12, the library area(s) shall be provided large enough to house 15 per cent of the enrollment. This space shall be computed on the basis of at least 25 square feet per pupil to be accommodated. Additional space shall be provided for conference rooms; storage space for magazines, audiovisual materials and equipment; listening and viewing areas; and a workroom supplied with running water, shelves, and cabinets. Each of these rooms shall contain at least 120 square feet. The conference room and workroom shall be separated from the library with a vision strip to facilitate supervision (19, p. 62).

Several principals stated that their facilities could not measure up to these minimum standards.

Other Responses

Some schools in Tennessee had fewer than 300 students, several had fewer than 100. In 1973 there were still one-, two-, and three-teacher schools in the State. Some of the principals of these small schools expressed the hope that their schools might soon be consolidated with others so that broader educational opportunities could be made available for their students.

On the positive side, some principals reported that steps had been taken to alleviate some of the worst situations involving school plants.

Several small schools reportedly were scheduled to be consolidated in the near future. Dozens of new buildings were to be completed in 1975 and 1976.



Plans were underway to subdivide a few of the schools that were attempting to serve students in grades 1-8 or 1-12 so that elementary, middle, and secondary grades each could be housed and administered independently.

Finally, scores of principals wrote that their facilities were satisfactory to excellent, and that their buildings were adequately maintained.

ABANDONED BUILDINGS

An interest in the number of abandoned buildings throughout the State led to the inclusion of the last questionnaire item:

If there is an abandoned building on your site, or if you are using a soon-to-be-abandoned building to house temporarily some of your instructional programs, please use the back of this sheet to note that fact.

Only eight principals reported the presence of such buildings on their school sites. Two principals described the abandoned buildings on their sites as 'agriculture buildings'. In two cases high school grades were separated from grades 1-8 and moved to new locations leaving, in one case, a single vacant building; and in the other instance, four abandoned structures. One school was renting a nearby abandoned store for band classes. Three other principals simply indicated the presence of an abandoned building on their sites.



PLANT PROFILES

In the interest of reducing the mass of data obtained in the questionnaire "Description of School Plant Facilities in Tennessee" to a more readily comprehensible form, two plant profiles -- 'adequate' and 'substandard' -- were These profiles were developed for all Tennessee schools, and for each of the thirty-six other categories that were used in this study (see Figure 1.1). They contained twelve criteria against which each school plant could be compared; the twelfth criterion provided a summary of the preceding eleven, i.e., seven of eleven of the preceding standards for an 'adequate' plant had to be met for the plant as a whole to be considered 'adequate'. A school plant was considered 'substandard' if it met seven of the eleven initial criteria for 'substandard' plants. Using the seven of eleven criterion for 'adequate' plants and for 'substandard' plants meant some of the 1451 school plants represented in the survey were not included in either category. This group may be considered to consist of schools ranging from relatively satisfactory to relatively unsatisfactory, but not clearly adequate or clearly substandard, according to the criteria established for this study.

'Adequate' Plants

A more detailed rationale for most of the criteria for the profile of the 'adequate school plant' has been given previously in Section 2. A listing of the twelve criteria appears below accompanied by a brief statement of rationale for each.



Criteria for an Adequate School Plant

	Criterion	Rationale
1)	Enrollment/capacity ratio is =1	The quality of the educational program is jeopardized when a school becomes overcrowded.
2)	Meets national size standards for organizational level	Minimum and maximum school enrollment figures at each organizational level have been established. Schools with enrollments in the specified ranges provide maximum educational opportunities and operate most efficiently and economically.
3)	Meets national site size standards	National standards for site size at each organizational level have been established. These minimum standards must be met or exceeded for adequacy in this category.
4)	Original building 30 years of age or less	Past the age of 30 a wide range of physical problems begins to beset a school plant, and the adequacy of the original design for conduct of current educational programs may be called into question.
5)	No temporary structures	Temporary structures are assigned no desirable pupil capacity and cannot be considered an integral part of the school plant. They should be replaced as soon as possible
6)	No basement used for instruction or other programs involving students	Basements generally do not provide a suitable environ- ment for instruction.
7).	No original, addition, or temporary structure built of wood exclusively	All-wood construction is most susceptible to damage by fire.
8)	Central heating in original building 1	Central heating systems are highly preferable to space heaters; if the original building has a central heating system, it may be assumed that attached additions do also.
9)	Central air condition- ing, or window units for all rooms, in orig- inal building or any addition	The presence of some type of mechanical cooling system in some part of the facility would help to qualify a given school for 12-month operation.

10) Some fluorescent lighting in instructional areas of original and all additions l

Fluorescent lamps are more efficient and more economical over a period of years than incandescent lamps. Newer buildings almost always utilize some fluorescents (may be in combination with incandescents), and the presence of some fluorescent lighting in older buildings usually indicates that some improvements in the lighting system have been made in recent year.

1Temporary structures are not considered in items 8, 9, and 10.



Criteria for an Adequate School Plant (continued)

•	●		
Criterion	Rationale		
11) Water supplied by water utility	Quality and quantity of water supply are generally more dependable when the source is a utility.		
12) Meets seven of eleven of above criteria	Since is it quite conceivable that not all authorities would be able to agree on all of the eleven standards listed above, and since an 'adequate' school plant can be visualized which does not meet all the standards, an 'adequate school plant' was defined as one which met seven of the eleven standards.		

'Substandard' Plants

A set of criteria for the profile of a 'substandard school plant', most of which turn out to be the reverse of criteria for the 'adequate school plant' was delineated. A plant had to meet seven of the eleven initial criteria in order to be classified as substandard according to the twelfth criterion.

The twelve criteria for a substandard school plant are listed and explained below.

Criteria for a Substandard School Plant

	Criterion	Rationale
1)	Enrollment/capacity ratio is >1	The quality of the educational program is jeopardized when a school becomes overcrowded.
2)	Does not meet national size standards for organizational level	Schools that are too small or too large, according to national standards, do not provide maximum educational opportunities for students, and may not be operating efficiently or ecomposities.



Criteria for a Substandard School Plant (continued)

3)	Does not meet national site size standards	Schools with grounds of insufficient size, according to national standards, probably do not provide adequate recreational or environmental study opportunities for students.
4)	Original building over 30 years of age	Past the age of 30 a wide range of physical problems begins to beset a school plant, and the adequacy of the original design for conduct of current educational programs may be called into question.
5)	Using temporary structures	Temporary structures are assigned no desirable pupil capacity and cannot be considered an integral part of the school plant. They should be replaced as soon as possible.
6)	Basement of some structure use for instruction or other programs involving students	Basements generally do not provide a suitable environment for instruction.
7)	Some structure built of wood exclusively	All-wood construction is most susceptible to damage by fire.
8)	Space heaters in original buil/lng ¹	Space heaters cannot provide an optimum thermal environment during the winter months.
9)	No mechanical cooling system in original building or any addition ¹	A school with no mechanical cooling system would not provide a comfortable setting for 12-month operation.
10)	No fluorescent lighting in instructional areas of original or additions 1	In the long run incandescent lamps are more expensive to operate than fluorescent lamps. Older schools that have no fluorescent lighting probably have outdated lighting systems.
11)		Quality and quantity of water supply are generally more dependable when the source is a utility.

 1 Temporary structures are not considered in items 8, 9, and 10.



Criteria for a Substandard School Plant (continued)

Criterion Rationale 12)Meets seven of eleven of above criteria of above criteria be considered substandard. Thus the 'substandard school plant' was defined as a plant that met seven of the eleven criteria specified above.

Table 2.16 presents the adequate and substandard plant profile data for all Tennessee schools. For convenience 'adequate' and 'substandard' ratings were combined in a single table even though a school not rated 'adequate' on Criterion 9, 10, or 12 was not necessarily 'substandard'. (Thus summing 'adequate' and 'substandard' ratings for Criterion 10, or 12 may not equal 100 percent.)



TABLE 2.16

PLANT PROFILES

ALL TENNESSEE SCHOOLS

	CRITERION	A Number	DEQUATE PERCENTAGE	SUB: Number	STANDARO Percentage
I.	ENROLLMENT/CAPACITY RATIO <= 1	1038	13.2	381	26.8
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	560	38.8	883	61.2
3,	MEETS NATIONAL SITE SIZE STANDARDS	226	16.2	1172	83.8
4,	ORIGINAL BUILDING 30 YRS OLD OR LESS	93	63.2	520	36.8
5.	NC TEMPORARY STRUCTURES	1144	78.8	307	21.2
6.	NO BASEMENT USED FOR INSTRUCTION	1113	76.7	338	23.3
7.	NO BUILDING OF WOOD EXCLUSIVELY	1344	92.6	107	7.4
8.	CENTRAL HEATING IN ORIGINAL BUILDING	1298	89.5	153	10.5
9.	CENTRAL AIR OR ALL WINDOW UNITS	343	23.6	784	54.0
10.	COMPLETE FLUORESCENT LIGHTING	825	56.9	369	25.4
11.	USE OF WATER UTILITY	1258	86.7	. 193	13.3
12.	MEETS 7 OF 11 OF ABOVE CRITERIA	863	59.5	59	4.1



SECTION 3

SCHOOL PLANT DATA FOR TENNESSEE SCHOOLS CATEGORIZED BY GRAND DIVISION OF STATE AND BY ORGANIZATIONAL LEVEL

THE DATA CATEGORIES

Section 2 of this report included a presentation of school plant data pertaining to the category 'all Tennessee schools'. A detailed discussion of questionnaire items and the bases for interpreting responses to these items accompanied this presentation. The reader is urged to refer often to Section 2 for guidance in interpreting material in Section 3 since this section consists primarily of Summary Tables and Data Displays (see explanations below) in twelve separate school categories. Figure 3.1 illustrates how these categories were constructed, using four organizational levels and three Grand Divisions of the State. The figure also contains information on the number of usable questionnaires received in each category.

Figure 3.1 Number of Survey Respondents in Each of Twelve School Categories ORGANIZATIONAL

LEVEL		GRAND DIVISION O	F STATE	
	West Tennessee	Middle Tennessee	East Tennessee	Total
Elementary	231	311	453	995
Middle	39	52	61	152
Secondary	59	77	96	232
Combined	28	25	19	72
	357	465	629	1451

East Tennessee may appear to be over-represented in the survey sample. In fact, there was an almost perfect correspondence between the percentage of schools actually located in each Grand Division of the State and the percentage of schools from each region represented in the survey. More precisely,



43.1 percent of Tennessee's public schools in 1973 were located in East Tennessee; 32.1 percent were in Middle Tennessee; and 24.8 percent were in West Tennessee. In this survey 43.2 percent of the responses were from East Tennessee schools, 32 percent came from Middle Tennessee schools, and 24.8 percent were from West Tennessee schools. (See Appendix B for a listing of counties in each Grand Division.)

The survey sample also represented the State adequately with respect to school organizational level. In 1973 approximately 70.5 percent of Tennessee's public schools were elementary schools, 10.3 percent were middle schools, 14.8 percent were secondary schools, and 4.4 percent were combined schools. In the survey sample 68.5 percent of the schools were elementary schools, 10.5 percent were middle schools, 16 percent were secondary schools, and 5 percent were combined schools.

DATA DISPLAYS DEFINED

Section 3 contains twelve Data Displays: one for each combination of three Grand Divisions of the State and four organizational levels. Each Data Display consists of statistical summaries for each questionnaire item, and plant profiles which indicate how many and what percentage of the schools in the category were judged 'adequate' or 'substandard' on the basis of twelve specified criteria. For convenience 'adequate' and 'substandard' ratings were combined in a single table even though a school not rated 'adequate' on Criterion 9, 10, or 12 was not necessarily 'substandard'. (Thus summing 'adequate' and 'substandard' ratings for Criterion 9, 10, or 12 may not equal 100 percent.)

The form and order of presentation of figures and tables in the Data

Displays of Section 3 are almost identical to the form and order utilized in
the Section 2 presentation.



SUMMARY TABLES DEFINED

In order to provide some frame of reference for interpreting the plant profile statistics included in the Data Display for each school category, the Data Displays are <u>preceded</u> in this section by a set of Summary Tables. These tables summarize statistics on each plant profile criterion across all twelve school categories. Below each table is a set of reference points for the criterion:

- 1) School category having the highest percentage of 'adequate' plants
- 2) School category having the highest percentage of 'substandard' plants
- 3) Percentage of all Tennessee schools having 'adequate' ratings
- 4) Percentage of all Tennessee schools having 'substandard' ratings.

Summary tables 3.12, 3.13, and 3.14 permit broader comparisons than the other tables in Section 3. These tables contain information on Criterion 12, the standard which summarizes all other criteria for 'adequate' and 'substandard' school plants.

Summary Table 3.12

Summary Table 3.12 contains the information required for a general statement about the adequacy of Tennessee's public school plants categorized by Grand Division of the State and organizational level. According to ratings on Criterion 12, middle schools in West Tennessee included the highest percentage (76.9) of 'adequate' school plants in 1973. The highest percentage (7.1) of 'substandard' plants was found among combined schools in West Tennessee.

Summary Table 3.13

Summary Table 3.13 reveals that the largest percentage (67.8) of 'adequate' school plants in the State was to be found in West Tennessee. In



Middle Tennessee 59.2 percent of the plants were found to be 'adequate'; in

East Tennessee just 55 percent of the plants were termed 'adequate' according

to the standards established for this study. Likewise, the largest percentage

(5.7) of 'substandard' school plants was found to be located in East Tennessee.

Middle Tennessee was second with 3.4 percent, and West Tennessee had the

smallest percentage of substandard plants: 2.0.

Summary Table 3.14

In Summary Table 3.14 plants are compared across organizational levels. Secondary schools fared best, with 71.6 percent classified as 'adequate'. Following closely were middle schools with 71.1 percent. Just 56.3 percent of the school plants at the elementary level were judged 'adequate', but still fewer combined schools (41.7 percent) achieved the 'adequate' rating. For the 'substandard' ratings the order was as follows: combined schools had the highest percentage (5.6), elementary schools were next (4.5), middle schools had 4.0 percent, and secondary schools had the smallest percentage (1.7) of 'substandard' plants.

USING DATA DISPLAYS AND SUMMARY TABLES

Knowing two facts about a school, i.e., whether it is in West, Middle, or East Tennessee (Appendix B lists the counties in each region) and whether it is an elementary, middle, secondary, or combined school (precise definitions of organizational levels are given in Section 1 under "School Classification System"), one can locate the appropriate Data Display for that combination of identifiers (e.g., 'elementary school in West Tennessee') and obtain the following information:

1) Number and percentage of schools in the category using specified proportions of school plant capacity



- 2) Number and percentage of schools that exceed capacity
- Number and percentage of schools having sites of specified sizes (in acres)
 - 4) Median school site size
 - 5) Number and percentage of schools meeting site size requirements
- 6) Number and percentage of buildings occurring at specified stages of the school life cycle
- 7) Number and percentage of school buildings constructed or added in specified decades, 1840-1973
 - 8) Year of construction of oldest structure
 - 9) Mean year of construction
- 10) Number and percentage of schools having specified numbers of additional and temporary structures
- 11) Number and percentage of schools occurring in specified school enrollment categories
- 12) Number and percentage of buildings using basements for instruction or other programs involving students
- 13) Number and percentage of schools using the basement of some structure for instruction
- 14) Number and percentage of buildings having specified numbers of stories (excluding basement)
- 15) Number and percentage of buildings of two or more stories built before 1920
 - 16) Number and percentage of all wood structures of more than one story
- 17) Number and percentage of buildings using selected exterior construction materials
- 18) Number and percentage of buildings using specified types of heating, cooling, and lighting equipment



- 19) Number and percentage of schools using specified sources of water supply
 - 20) Number and percentage of principals expressing specified facility needs
- 21) Plant profiles: number and percentage of schools having 'adequate' or 'substandard' plants according to specified criteria

(To locate the page number of the Data Display for a given school category, the reader should consult the Table of Contents.)

For comparative data on the 'adequate' and 'substandard' plant profiles the reader is urged to refer to the Summary Tables immediately preceding the Data Displays. Here are identified for each of the plant profile criteria:

(1) the highest percentage of 'adequate' plants, and (2) the highest percentage of 'substandard' plants among the twelve specified categories; and

(3) the percentage of 'adequate' and (4) 'substandard' plants for all

Tennessee schools (an average).

The number of respondents in the category is printed just below the title of each of the twelve Data Displays. All percentages in a given Data Display were calculated on the basis of this number of respondents unless a smaller figure appears as 'Total' for an item. The smaller figures were used to calculate percentages for items on which the response rate was less than 100 percent.

A few of the summary statements appearing below the tables contain a percentage figure that differs slightly from the ercentage that is obtained by summing figures in the related table. This discrepancy is due to the rounding of decimal figures in the table.



PREPARATION AND POSITIONING OF DATA DIS. AYS

In the interests of accuracy and economy, all Data Displays were prepared by an IBM 360/65 computer. Pages produced by the computer were reduced in size for placement on an 8 1/2" x 11" sheld. Both Summary Tables and Data Displays were positioned lengthwise on the page to facilitate referral from one to the other.



SUMMARY TABLES



Summary Table 3.1 Percentage of Tennessee Schools in Each of Twelve Categories Rated 'Adequate' or 'Substandard' According to Criterion 1 (Enrollment/Capacity ratio less than or equal to 1)

			Ra	ing	
rand Division	Organizational Level		Adequate	Substandard	
West	Elementary	(231)*	80.6%	19.4%	
	Middle	(39)	84.2	15.8	
	Secondary	(59)	65.5	34.5	
	Combined	(28)	65.4	34.6	
Middle	Elementary	(311)	72.0	28.0	
+	Middle	(52)	59.6	40.4	
	Secondary	(77)	53.2	46.8	
	Combined	(25)	66.7	33.3	
East	Elementary	(453)	77.5	22.5	
	Middle	(61)	67.2	32.8	
	Secondary	(96)	71.9	28.1	
	Combined	(19)	61.1	38.9	

^{*}Number in parentheses = total number of schools in this category represented in the survey.

Criterion 1 Reference Points

- (1) Highest Percentage of Adequate Plants: 84.2 (Middle Schools in West Tennessee)
- (2) Highest Percentage of Substandard Plants: 46.8 (Secondary Schools in Middle Tennessee)
- (3) Percentage of Adequate Plants for All Tennessee Schools: 73.2
- (4) Percentage of Substandard Plants for All Tennessee Schools: 26.8



Summary Table 3.2 Percentage of Tennessee Schools in Each of Twelve Categories Rated 'Adequate' or 'Substandard' According to Criterion 2 (Meets National School Size Standards)

			Ra	ting
Grand Division	Organizational Level		Adequate	Substandard
West	Elementary	(231)*	27.8%	72.2%
	Middle	(39)	38.5	61.5
	Secondary	(59)	49.2	50.8
	Combined	(28)	75.0	25.0
Middle	Elementary	(311)	30.3	69.7
	Middle	(52)	44.2	55.8
	Secondary	(77)	64.9	35.1
	Combined	(25)	80.0	20.0
East	Elementary	(453)	29.7	70.3
	Middle	(61)	55.0	45.0
	Secondary	(96)	63.5	36.5
	Combined	(19)	89.5	10.5

Criterion 2 Reference Points

- (1) Highest Percentage of Adequate Plants: 89.5 (Combined Schools in East Tennessee)
- (2) Highest Percentage of Substandard Plants: 72.2 (Elementary Schools in West Tennessee)
- (3) Percentage of Adequate Plants for All Tennessee Schools: 38.8
- (4) Percentage of Substandard Plants for All Tennessee Schools: 61.2



Summary Table 3.3 Percentage of Tennessee Schools in Each of Twelve Categories Rated 'Adequate' or 'Substandard' According to Criterion 3 (Meets National Site Size Standards)

	•		Ra	ting
Grand Division	Organizational Level		Adequate	Substandard
West	Elementary	(231)*	21.2%	78.8%
	Middle	(39)	10.8	89.2
	Secondary	(59)	10.7	89.3
	Combined	(28)	0.0	100.0
Middle	Elementary	(311)	16.6	83.4
·-	Middle	(52)	21.2	78.8
	Secondary	(77)	17.1	82.9
	Combined	(25)	8.0	92.0
East	Elementary	(453)	16.9	83.1
	Middle	(61)	11.9	88.1
	Secondary	(96)	13.8	86.2
	Combined	(19)	0.0	100.0

^{*}Number in parentheses = total number of schools in this category represented in the survey.

Criterion 3 Reference Points

- (1) Highest Percentage of Adequate Plants: 21.2 (Elementary Schools in West Tennessee and Middle Schools in Middle Tennessee)
- (2) Highest Percentage of Substandard Plants: 100 (Combined Schools in West Tennessee and Combined Schools in East Tennessee)
- (3) Percentage of Adequate Plants for All Tennessee Schools: 16.2
- (4) Percentage of Substandard Plants for All Tennessee Schools: 83.8



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Summary Table 3.4 Percentage of Tennessee Schools in Each of Twelve Categories Rated 'Adequate' or 'Substandard' According to Criterion 4 (Original Building thirty years old or less)

		The second of th	Ra	ting
rand D. zision	Organizational Level		Adequate	Substandard
West	Elementary	(231)*	72.3%	27.7%
	Middle	(39)	74.4	25.6
	Secondary	(59)	67.2	32.8
	Combined	(28)	22.2	77.8
Middle	Elementary	(311)	67.4	32.6
	Middle	(52)	63.5	36.5
	Secondary	(77)	75.0	25.0
	Combined	(25)	33.3	66.7
East	Elementary	(453)	55.4	44.6
	Middle	(61)	57.6	42.4
	Secondary	(96)	77.4	22.6
	Combined	(19)	27.8	72.2

^{*}Number in parentheses = total number of schools in this category represented in the survey.

Criterion 4 Reference Points

- (1) Highest Percentage of Adequate Plants: 77.4 (Secondary Schools in East Tennessee)
- (2) Highest Percentage of Substandard Plants: 77.8 (Combined Schools in West Tennessee)
- (3) Percentage of Adequate Plants for All Tennessee Schools: 63.2
- (4) Percentage of Substandard Plants for All Tennessee Schools: 36.8

Summary Table 3.5 Percentage of Tennessee Schools in Each of Twelve Categories Rated 'Adequate' or 'Substandard' According to Criterion 5 (No Temporary Structures)

			Rating		
rand Division	Organizational Level		Adequate	Substandard	
West	Elementary	(231)*	77.9%	22.1%	
	Middle	(39)	84.6	15.4	
	Secondary	(59)	83.1	16.9	
	Combined	(28)	71.4	28.6	
Middle	Elementary	(311)	77.5	22.5	
*******	Middle	(52)	73.1	26.9	
	Secondary	(77)	76.6	23.4	
	Combined	(25)	84.0	16.0	
East	Elementary	(453)	80.6	19.4	
	Middle	(61)	82.0	18.0	
	Secondary	(96)	79.2	20.8	
	Combined	(19)	63.2	36.8	

Criterion 5 Reference Points

- (1) Highest Percentage of Adequate Plants: 84.6 (Middle Schools in West Tennessee)
- (2) Highest Percentage of Substandard Plants: 36.8 (Combined Schools in East Tennessee)
- (3) Percentage of Adequate Plants for All Tennessee Schools: 78.8
- (4) Percentage of Substandard Plants for All Tennessee Schools: 21.2



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Summary Table 3.6 Percentage of Tennessee Schools in Each of Twelve Categories Rated 'Adequate' or 'Substandard' According to Criterion 6 (No Basement used for Instruction)

			Ra	ting
Grand Division	Organizational Level		Adequate	Substandard
West	Elementary	(231)*	82.7%	17.3%
	Middle	(39)	66.7	33.3
	Secondary	(59)	71.2	28.8
	Combined	(28)	64.3	35.7
Middle	Elementary	(311)	78.8	21,2
	Middle	(52)	67.3	32.7
	Secondary	(77)	70.1	29.9
	Combined	(25)	48.0	52.0
East	Elementary	(453)	77.5	22.5
	Middle	(61)	73,8	26.2
	Secondary	(96)	81.3	18.8
	Combined	(19)	84.2	15.8

^{*}Number in parentheses = total number of schools in this category represented in the survey.

Criterion 6 Reference Points

- (1) Highest Percentage of Adequate Plants: 84.2 (Combined Schools in East Tennessee)
- (2) Highest Percentage of Substandard Plants: 52 (Combined Schools in Middle Tennessee)
- (3) Percentage of Adequate Plants for All Tennessee Schools: 76.7
- (4) Percentage of Substandard Plants for All Tennessee Schools: 23.3



Summary Table 3.7 Percentage of Tennessee Schools in Each of Twelve Categories Rated 'Adequate' or 'Substandard' According to Criterion 7 (No Building of Wood Exclusively)

			Ra	ting
Grand Division	ion Organizational Level		Adequate	Substandard
West	Elementary	(231)*	94.8%	5.2%
· · · · · · ·	Middle	(39)	97.4	2.6
	Secondary	(59)	100.0	0.0
	Combined	(28)	92.9	7.1
Middle	Elementary	(311)	93.9	6.1
	Middle	(52)	98.1	1.9
	Secondary	(77)	94.8	5.2
	Combined	(25)	100.0	0.0
East	Elementary	(453)	88.7	11.3
	Middle	(61)	91.8	8.2
	Secondary	(96)	91.7	8.3
	Combined	(19)	78.9	21.1

Criterion 7 Reference Points

- (1) Highest Percentage of Adequate Plants: 100 (Secondary Schools in West Tennessee and Combined Schools in Middle Tennessee)
- (2) Highest Percentage of Substandard Plants: 21.1 (Combined Schools in East Tennessee)
- (3) Percentage of Adequate Plants for All Tennessee Schools: 92.6
- (4) Percentage of Substandard Plants for All Tennessee Schools: 7.4

Summary Table 3.8 Percentage of Tennessee Schools in Each of Twelve Categories Rated 'Adequate' or 'Substandard' According to Criterion 8 (Central Heating in Original Building)

·			Rating		
Grand Division	Organizationa	l Level	Adequate	Substandard	
West	Elementary	(231)*	86.1%	13.9%	
	Middle	(39)	92.3	7.7	
	Secondary	(59)	91.5	8.5	
	Combined	(28)	89.3	10.7	
Middle	Elementary	(311)	87.1	12.9	
Se tomas Ser Ser Col. Ser	Middle	(52)	96.2	3.8	
	Secondary	(77)	94.8	5.2	
i e	Combined	(25)	76.0	24.0	
East	Elementary	(453)	90.3	9.7	
	Middle	(61)	91.8	8.2	
	Secondary	(96)	92.7	7.3	
ŧ	Combined	(19)	89.5	10.5	

Criterion 8 Reference Points

- (1) Highest Percentage of Adequate Plants: 96.2 (Middle Schools in Middle Tennessee)
- (2) Highest Percentage of Substandard Plants: 24 (Combined Schools in Middle Tennessee)
- (3) Percentage of Adequate Plants for All Tennessee Schools: 89.5
- (4) Percentage of Substandard Plants for All Tennessee Schools: 10.5



Summary Table 3.9 Percentage of Tennessee Schools in Each of Twelve Categories Rated 'Adequate' or 'Substandard' According to Criterion 9 (Central Air or all Window Units)

			Ra	ting	
and Division	Organizationa	l Level	Adequate	Substandard	
West	Elementary	(231)*	28.6%	44.2%	
	Middle	(39)	46.2	35.9	
	Secondary	(59)	37.3	27.1	
	Combined	(28)	28.6	32.1	
Middle	Elementary	(311)	18.0	58.2	
	Middle	(52)	48.1	42.3	
	Secondary	(77)	31.2	39.0	
•	Combined	(25)	8.0	68.0	
East	Elementary	(453)	15.9	68.4	
	Middle	(61)	27.9	57.4	
	Secondary	(96)	33.3	35.4	
	Combined	(19)	5.3	73.7	

Criterion 9 Reference Points

- (1) Highest Percentage of Adequate Plants: 48.1 (Middle Schools in Middle Tennessee)
- (2) Highest Percentage of Substandard Plants: 73.7 (Combined Schools in East Tennessee)
- (3) Percentage of Adequate Plants for All Tennessee Schools: 23.6
- (4) Percentage of Substandard Plants for All Tennessee Schools: 54.0

Summary Table 3.10 Percentage of Tennessee Schools in Each of Twelve Categories Rated 'Adequate' or 'Substandard' According to Criterion 10 (Complete Fluorescent Lighting)

	*		Ra	ting
Grand Division	Organizationa	l Level	Adequate	Substandard
West	Elementary	(231)*	66.2%	18,6%
	Middle	(39)	79.5	12.8
	Secondary	(59)	76.3	13.6
	Combined	(28)	32.1	25.0
Middle	Elementary	(311)	51.4	31.2
	Middle	(52)	76.9	13.5
	Secondary	(77)	70.1	15.6
	Combined	(25)	32.0	28.0
East	Elementary	(453)	48.8	33.1
	Middle	(61)	63.9	14.8
	Secondary	(96)	60.4	16.7
	Combined	(19)	36.8	42.1

^{*}Number in parentheses = total number of schools in this category represented in the survey.

Criterion 10 Reference Points

- (1) Highest Percentage of Adequate Plants: 79.5 (Middle Schools in West Tennessee)
- (2) Highest Percentage of Substandard Plants: 42.1 (Combined Schools in East Tennessee)
- (3) Percentage of Adequate Plants for All Tennessee Schools: 56.9
- (4) Percentage of Substandard Plants for All Tennessee Schools: 25.4

Summary Table 3.11 Percentage of Tennessee Schools in Each of Twelve Categories Rated 'Adequate' or 'Substandard' According to Criterion 11 (Use of Water Utility)

			Rat	ing	
and Division	Organizationa	1 Level	Adequate	Substandard	
West	Elementary	(231)*	89.2%	10.8%	
	Middle	(39)	100.0	0.0	
	Secondary	(59)	98.3	1.7	
i	Combined	(28)	85.7	14.3	
Middle	Elementary	(311)	86.2	13.8	
	Middle	(52)	100.0	0.0	
	Secondary	(77)	94.8	5.2	
	Combined	(25)	80.0	20.0	
East	Elementary	(453)	78.1	21.9	
	Middle	(61)	100.0	0.0	
	Secondary	(96)	95.8	4.2	
	Combined	(19)	57.9	42.1	

^{*}Number in parentheses = total number of schools in this category represented in the survey.

Criterion 11 Reference Points

- (1) Highest Percentage of Adequate Plants: 100% (Middle Schools in West Tennessee,
 Middle Schools in Middle Tennessee,
 Middle Schools in East Tennessee)
- (2) Highest Percentage of Substandard Plants: 42.1 (Combined Schools in East Tennessee)
- (3) Percentage of Adequate Plants for All Tennessee Schools: 86.7
- (4) Percentage of Substandard Plants for All Tennessee Schools: 13.3

Summary Table 3.12 Percentage of Tennessee Schools in Each of Twelve Categories Rated 'Adequate' or 'Substandard' According to Criterion 12 (Meets 7 of 11 of Above Criteria)

			Ra	ting
rand Division	Organizationa	l Level	Adequate	Substandard
West	Elementary	(231)*	68.8%	1.7%
	Middle	(39)	76.9	2.6
	Secondary	(59)	69.5	0.0
	Combined	(28)	42.9	7.1
Middle	Elementary	(311)	56.3	3.5
	Middle	(52)	67.3	3.8
	Secondary	(77)	68.8	2,6
	Combined	(25)	48.0	4.0
East	Elementary	(453)	49.7	6.6
	Middle	(61)	70.5	4.9
	Secondary	(96)	75.0	2.1
	Combined	(19)	31.6	5.3

Criterion 12 Reference Points

- (1) Highest Percentage of Adequate Plants: 76.9 (Middle Schools in West Tennessee)
- (2) Highest Percentage of Substandard Plants: 7.1 (Combined Schools in West Tennessee)
- (3) Percentage of Adequate Plants for All Tennessee Schools: 59.5
- (4) Percentage of Substandard Plants for All Tennessee Schools: 4.1

Summary Table 3.13 Number and Percentage of Schools in West, Middle and East Tennessee Rated 'Adequate' or 'Substandard' According to Criterion 12 (Meets 7 of 11 of Above Criteria)

	West 1	l'ennessee	, Middle	Tennessee	East Tennessee			
	Adequate	Substandard	Adequate	Substandard	Adequate	Substandard		
Number	242	7	275	16	346	36		
Percentage	67.8%	2.0%	59.2%	3.4%	55.0%	5.7%		

Summary Table 3.14 Number and Percentage of Elementary, Middle, Secondary and Combined Schools in Tennessee Rated 'Adequate' or 'Substandard' According to Criterion 12 (Meets 7 of 11 of Above Criteria)

	Elem	entary	Mi	ddle	Seco	ndary	Combined		
	Adequate	Substandard	Adequate	Substandard	Adequate	Substandard	Adequate	Substandard	
Number	559	45	108	6	166	4	30	4	
Percentag	ge 56.3%	4.5%	71.1%	4.0%	71.6%	1.7%	41.7%	5.6%	

DATA DISPLAYS

CATA DISPLAY 3.1

ELEMENTARY SCHOOLS IN WEST TENNESSEE

231 RESPONDENTS

NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN WEST TENNESSEE USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ABOVE ABOVE ABOVE ABOVE ABOVE ABOVE	RENT/CAPACITY RATIO 0.0- 0.5 0.5- 0.8 0.8- 1.0 1.0- 1.5 1.5- 2.0 2.0-13.0 TOTAL	NUMBER 11 75 93 41 1 222	PERCENTAGE 5.0 33.8 41.9 18.5 0.5 0.5	** *************** ********* ********
SCHOO	OLS THAT EXCEED	CAPACITY:	43	19.44

NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN WEST TENNESSEE HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES O- LESS THAN 1 1- LESS THAN 5 5- LESS THAN 10 10- LESS THAN 20 20- LESS THAN 30 30- LESS THAN 50 50- LESS THAN 100 TOTAL	NUMBER 0 41 68 93 25 4 1 222	PERCENTAGE 0.0 18.5 30.6 37.4 11.3 1.8 0.5 100.0	******** ********* ************* ***** ***** ****
TOTAL	222	100.0	101 201 301 401 501 607 701 801 901 1001

MED, AN SCHOOL SITE SIZE IS 10 ACPES

NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN WEST TENNESSEE MEETING SITE SIZE REQUIREMENTS: 47 21.2%

Û

NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN WEST TENNESSEE OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	OR	IGINAL		A001		ADD2		ADD3		TEMP1		TEMPZ		TEMP3
60 OR OVER	15	6.7	2	1.5	0	0.0	1	3.8	Ō	0.0	0	0.0	0	0.0
40- LESS THAN 60	29	12.9	7	5.1	2	2.4	0	0.0	0	0.0	0	0.0	0	0.0
20- LESS THAN 40	75	33.5	30	21.9	15	18.3	6	23.1	1	2.6	Q	0.0	1	7 • <u>1</u>
LESS THAN 20	105	46.9	98	71.5	65	79.3	19	73.1	38	97.4	21	100.0	13	92.9
TOTAL	224	100.0	137	100.0	82	100.0	26	100.0	39	100.0	21	100.0	14 '	100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN WEST TENNESSEE CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	OŘ	IGINAL		AD01		ADD2		ADD3		TEMPL		TEMP2	•	TEMP3
AFTEP 1840 - 1870	2	0.9	0	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	0	0.0
AFTER 1870 - 1880	ì	0.4	Û	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1880 - 1890	ō	0.0	Û	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1890 - 1900	j	1.3	2	1.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1900 - 1910	8	3.6	0	0.0	0	0.0	1	3.8	0	0.0	0	0.0	Ô	0.0
AFTER 1910 - 1920	12	5.4	i	0.7	0	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0
AFTER 1920 - 1930	15	6.7	6	4.4	2	2.4	0	0.0	0	0.0	0	0.0	. 0	0.0
AFTER 1930 - 1940	20	8.9	9	6.6	2	2.4	0	0.0	0	0.0	Ō	0.0	0	0.0
AFTER 1940 - 1950	29	12.9	12	8.8	9	11.0	2	7.7	Q	0.0	0	0.0	1	7.1
AFTER 1950 - 1960	81	36.2	54	39.4	23	20.0	10	38.5	2	5.1	0	0.0	0	0.0
AFTER 1960 - 1970	50	22.3	47	34.3	41	50.0	11	42.3	26	66.7	11	52.4	4	28.6
AFTER 1970 - 1973	3	1.3	6	4.4	5	6.1	2	7.7	11	28.2	10	47.6	. 9	64.3
TOTAL	224	100.0	137	100.0	8 <u>2</u>	100.0	26	100.0	39	100.0	21	100.0	14	100.0

	ORIGINAL	ADDI	ADD2	ADD3	TEMP1	TEMP2	TEMP3
OLDEST STRUCTURE	1848	1899	1921	1909	1952	1966	1949
MEAN YEAR OF CONSTRUCTION	1947	1955	1959	1958	1968	1970	1969

NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN WEST TENNESSEE HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADO	ITIONS	TEMPO	RARTES
0	81	35.1	180	77.9
1	77	33.3	32	13.9
2	51	22.1	15	6.5
3	22	9.5	4	1.7
TOTAL	231	100.0	231	100.0

NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN WEST TENNESSEE OCCURRING IN SPECIFIED SCHOOL ENROLLMENT CATEGORIES

ENROLLMENT	NUMBER	PERCENTAGE	ı
O- LESS THAN 350	61	26.5	******
350- LESS THAN 700	108	47.0	****
700- LESS THAN 9999	61	26.5	********
TOTAL	230	100.0	我要我在自己的专家就是有有我是我自己的类别自己的类别自己的是是是是是不是一种的
isins		,	101 201 301 401 501 601 701 801 901 1001



Φ.

NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN WEST TENNESSEE UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

IGINAL 13.9	14	ADD1 10.2	2	ADD2 2.4	i	ADD3 3.8	1	TEMP1 2.6	0	TEMP2 0.0	0	TEMP3
የተሁለረ	nie ne	TUP DICEMS	אד חב	COME CTDI	ir Tup≨	END INSTE	RIIČTĪĀN	1	40	17.3%		

NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN WEST TENNESSEE HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES 1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 149 62 20 0 231	8 IGINAL 64.5 26.8 8.7 0.0 100.0	89 41 7 0 137	ADD1 65.0 29.9 5.1 0.0 100.0	62 18 2 0 82	ADD2 75.6 22.0 2.4 0.0 100.0	20 6 0 0 26	ADD3 76.9 23.1 0.0 0.0	38 1 0 0 39	TEMP1 97.4 2.6 0.0 0.0 100.0	21 0 0 0 21	TEMP2 100.0 0.0 0.0 0.0 100.0	16 0 0 0 14	TEMP3 100.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	22	BEFORE 1 9.5 RE THAN C	2	1.5 Y 0.0	0	0.0	0	0.0	0	0.G 0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN WEST TENNESSEE USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	OR	IGINAL		ADD1		ADD2		AD03		TEMP1		TEMP2		TEMP3
BRICK	165		105	76.6	69	84.1	23	88.5	2	5.1	Q	0.0,	0	0.0
wead	5	2.2	1	0.7	1	1.2	1	3.8	3	7.7	2	9.5	3	21.4
METAL	0	0.0	1	0.7	3	3.7	0	0.0	25	64. <u>1</u>	12	57.1	7	50.0
STONE	3	1.3	Ō	0.0	Ö	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CONCRETE	8	3.5	4	2.9	1	1.2	0	0.0	0	0.0	0	0.0	Ü	0.0
OTHER	ĺ	0.4	Ó	0.0	Ō	0.0	0	0.0	1	2.6	2	9.5	Ž	14.3
BRICK, WOOD	ĥ	2.6	4	2.9	ī	1.2	0	0.0	0	0.0	0	0.0	0	0.0
BRICK, METAL	4	1.7	3	2.2	1	1.2	0	0.0	1	2.6	0	0.0	0	0.0
BRICK, STONE	à	1.3	ì	0.7	ī	1.2	Ó	0.0	0	0.0	. 0	0.0	Ö	0.0
BRICK, CONCRETE	14	6.1	8	5.8	ī	1.2	1	3.8	0	0.0	0	0.0	0	0.0
BRICK, OTHER	Ō	0.0	Õ	0.0	Ō	- 4	Ō	0.0	0	0.0	Č	0.0	Ō	0.0
BRICK, WOOD, METAL	1	0.4	Ō	0.0,	Ō		Ō	0.0	Ō	0.0	0	0.0	0	0.0
BRICK, WOOD, CONCRETE	5	2.2	. 2	1.5	ĩ	1.2	Ó	0.0	Q	0.0	0	0.0	0	0.0
BRICK, METAL, CONCRETE	4	1.7	Ž	1.5	Ō	0.0	Ó	0.0	0	0.0	0	0.0	Ô	0.0
BRICK, STONE, CONCRETE	4	1.7	Ō	0.0	Ō	0.0	0	0.0	0	0.0	Ô	0.0	0	0.0
BRICK, WOOD, METAL, CONCRETE	4	1.3	Ŏ	0.0	Ö	0.0	Ō	0.0	O	0.0	0	0.0	0	0.0
ALL OTHER COMBINATIONS	Š	202	ž	1.5	' 0		0	0.0	4	10.3	2	9.5	0	0.0
NO RESPONSE	Ó	0.0	4	2.9	3	3,7	1	3.8	3	7.7	3	14.3	2	14.3
NU RESPUNSE TOTAL	_	100.0	137		82	100.0	26		39	100.0	21	100.0	14	100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN WEST TENNESSEE USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

				:										
HEATING E	JUI PHEN'	T												
JUST CENTRAL	OR 186	IGINAL 80.5	107	ADD1 78.1	54	ADD2	18	ADD3 69.2 19.2	18 15	TEMP1 46.2 38.5	9	TEMP2 42.9 42.9	4 8	TEMP3 28.6 57.1
JUST SPACE	28	12.1	15	10.9	18 5	22.0 6.1	5 1	3.8	2	5.1	1	4.8	0	0.0
CENTRAL & SPACE	13	5.6	8 7	5.8 5.1	5	6.1	ż	7.7	4	10.3	2	9.5	. 2	14.3
NO RESPONSE TOTAL	231	1.7 100.0	137	100.0	82	100.0	26	100.0	39	100.0	21	100,0	14	100.0
COOLING E	CUI FMĒN	Ī												
¥*****				1001		ADD2		ADD3		TEMP1		TEMP2		TEMP3
		IGINAL	51	ADD1 16.8	11	13.4	5	19.2	25	64.1	14	66.7	6	42.9
JUST CENTRAL	42 68	19•2 29•4	23 24	17.5	17	20.7	3	11.5	5	12.8	2	9.5	4	28.6
JUST WINDOW UNIT CENTRAL & WINDOW	2	0.9	2	1.5	0	0.0	0	0.0	0	0.0	0	0.0	Q 4	0.0 28.6
NO MECHANICAL	119	51.5	88	64.2	54	65.9	18	69.2	9	23.1	5 21	23.8 100.0	14	100.0
TOTAL	231	100.0	137	100.0	82	100.0	26	100.0	39	100.0	61		• •	10011
WIND	OW UNIT	COOLING						•						TENAS
	ΩŘ	IGINAL		ADD1		ADD2		ADD3		TEMPL		TEMP2	•	TEMP3 75.0
ALL ROCMS	30	42.9	16	61.5	10	58.8	2	66.7.	5	100.0	2	100.0 0.0	3	0.0
SELECTED ROOMS	36	51.4	6	23.1	3	17.6	0	0.0	0	0.0 0.0	0	0.0	ĭ	25.0
NO RESPONSE	4	5.7	4	15.4	4	23.5	3	33.3 100.0	5	100.0	2	100.0	4	100.0
TOTAL	70	100.0	26	100+0	17	100.0	Ę	10000	•	••••	W			
LIGHTING	EQUIPME	NT												
	ă â	TO THIAL		ADD1		ADD2		ADD3		TEMP1		TEMP2	_	TEMP3
**************************************	UR 59	IGINAL 25.5	28	20.4	9	11.0	1	3.8	2	5.1	1	4.8	0	0.0
INCANDESCENT Fludrescent	160	69.3	100	73.0	67	81.7	24	92.3	33	84.6	17	81.0 0.0	10 0	71.4 0.0
BOTH	5	2.2	1	0.7	1	1.2	0	0.0	0	0.0	0	0.0	0	0.0
OTHER	9	3.9	2	1.5	3	3.7	0	0.0	0	0.0 10.3	3	14.3	4	28.6
NO RESPONSE	1	0.4	6	4.4	3	3.7 100.0	1 26	3.8 100.0	4 39	100.0	21	100.0	14	100.0
TOTAL	231	100.0	137	100.0	82	100.0	ΣÜ	TOARA	# *	# ÷ ~ ¥ ×				

NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN WEST TENNESSEE USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE	***********
WATER UTILITY PUMP ON PROPERTY	206	89.2	東京東京東京東京東京東京東京東京東京市・サード・サード・サード・サード・
	25	10.8	*****
OTHER (WELLS, ETC.)	Q	0.0	1
NO RESPONSE	.0	0.0	
TOTAL	231	100.0	107 207 307 407 507 607 707 807 907 1007

NUMBER AND PERCENTAGE OF PRINCIPALS OF ELEMENTARY SCHOOLS IN WEST TENNESSEE EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCE	146	63.2	********
CCNSTRUCTION	56	24.2	*************************************
BCTH	5	.2.2] *
NEITHER (INCLUDING NO RESPONSE)	24	10.4	*****
TOTAL	231	100.0	107 207 307 407 507 607 707 807 907 1007

PLANT PROFILES: ELEMENTARY SCHOOLS IN	CHOOLS IN WE	21 IFNNE22EF
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x. ABAK VAI:	A	DEQUATE	SUBS	STANDARD
CRITERION	NUMBER	PERCENTAGE	NUMBĒR	PERCENTAGE
1. ENROLLMENT/CAPACITY RATIO <= 1	179	80.6	43	19.4
2. MEETS NATIONAL SCHOOL SIZE STANDARDS	64	27.8	166	72.2
3. MEETS NATIONAL SITE SIZE STANDARDS	47	21.2	175	78.8
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	162	72.3	62	27.7
5. NC TEMPORARY STRUCTURES	180	77.9	51	22.1
6. NO BASEMENT USED FOR INSTRUCTION	191	82.7	40	17.3
7. NO BUILDING OF WOOD EXCLUSIVELY	219	94.8	12	5.2
8. CENTRAL HEATING IN ORIGINAL BUILDING	199	86.1	32	13.9
9. CENTRAL AIR OR ALL WINDOW UNITS	66	28.5	102	44.2
10. COMPLETE FLUORESCENT LIGHTING	153	66.2	43	18.6
11. USE OF WATER UTILITY	206	89.2	25	10.8
RICEETS 7 OF 11 OF ABOVE CRITERIA	159	68.8	4	1.7

DATA DISPLAY 3.2

MIDDLE SCHOOLS IN WEST TENNESSEE

39 RESPONDENTS

NUMBER AND PERCENTAGE OF MIDDLE SCHOOLS IN WEST TENNESSEE LSING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROL	LPENT/CAPACITY		BCD ČČNITI ČČ	
	RATIO	NUMBER	PERCENTAGE	
ADOVE	0.0- 0.5	1	2.6	 *
ABCVĒ	0.5- 0.8	9	23.7	*********
ABOVE	0.8- 1.0	22	57.9	**************
ABOVE	1.0- 1.5	5	13.2	*****
ARCVE	1.5- 2.0	1	2.6	! *
ABOVE	2.0-13.0	C	0.0	
~~~	TOTAL	3.9	100.0	· · · · · · · · · · · · · · · · · · ·
	INIME			101 201 301 401 501 601 701 801 901 1001
SCHO	CLS THAT EXCEED	CAPACTTY:	6	15.84

NUMBER AND PERCENTAGE OF MILDLE SCHOOLS IN WEST TENNESSEE HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES  O- LESS THAN 1  1- LESS THAN 5  5- LESS THAN 10  10- LESS THAN 20  20- LESS THAN 30  30- LESS THAN 50  50- LESS THAN 100	NUMBER 0 5 10 11 7 3	PERCENTAGE 0.0 13.5 27.0 29.7 18.9 8.1 2.7	****** ******* ******** ******** ****
TOTAL	37.	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

MEDIAN SCHOOL SITE SIZE IS 11 ACRES

NUMBER AND PERCENTAGE OF MIDDLE SCHOOLS IN HEST TENNESSEE MEETING SITE SIZE REQUIREMENTS: 4 10.8%



NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS IN WEST TENNESSEE OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	ŌŔ	IGINAL		ACD1		ADD2		ADD3		TEMPL		TEMP2		TEMP3
60 OR OVER	3	7.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
40- LESS THAN 60	Š	12.8	0	0.0	1	10.0	0	0.0	0	0.0	0	0.0	0	0.0
20- LESS THAN 40	6	15.4	3	23.1	2	20.0	1	20.0	Q	0.0	0	0.0	0	0.0
LESS THAN 20	25	64.1	10	76.9	7	70.0	4	80.0	4	100.0	. 2	100.0	2	100.0
TOTAL	39	100.0	13	100.0	10	100.0	5	100.0	4	100.0	Z	100.0	2	100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS IN WEST TENNESSEE CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	OR	IGINAL		ADD1		ADDZ		ADD3		TEMP1		TEMP2		· TEMP3
AFTER 1840 - 1870	1	2.6	0	0.0	0	. 0 • 0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1870 - 1880	ō	0.0	Ō	0.0	0	0.0	" O	0.0	0	0.0	0	0.0	. 0	0.0
AFTER 1880 - 1890	Ō	0.0	Ö	0.0	Ó	0.0	0	0.0	0 '	0.0	0	0.0	0	0.0
AFTER 1890 - 1900	ī	2.6	Ö	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1900 - 1910	ī	2.6	Ö	0.0	Ō	0.0	0	0.0	Q	0.0	0	0.0	0	0.0
AFTER 1910 - 1920	ō	0.0	Ō	0.0	. 1	10.0	0	0.0	0	0.0	0	0,0	0	0.0
AFTER 1920'- 1930	5	12.8	0	0.0	0	0.0	0	0.0	0	0.0	Ó	0.0	Ō	0.0
AFTER 1930 - 1940	Ō	0.0	2	15.4	0	0.0	. 0	0.0	0	0.0	Q	0.0	Q	0.0
AFTER 1940 - 1950	4	10.3	1	7.7	. 2	20.0	0	0.0	0	0.0	0	0.0	0	0.0.
AFTER 1950 - 1960	11	28.2	4	30.8	5	50.0	2	40.0	1	25.0	1	50,0	0	0.0
AFTER 1960 - 1970	9	23.1	5	38.5	1	10.0	3	60.0	3	75.0	0	0.0	2	100.0
AFTER 1970 - 1973	7	17.9	1	7.7	1	10.0	0	0.0	. 0	0.0	1	50.0	0	0.0
TOTAL	39	100.0	13	100.0	10	100.0	.5	100.0	. 4	100.0	2	100.0	2	100.0

	ORIGINAL	ADD1	ADDZ	AD03	TEMPL	TEMP2	TEMP3
OLDEST STRUCTURE	1854	1934	1915	1952	1955	1960	1965
MEAN YEAR OF CONSTRUCTION	1951	1955	1954	1959	1963	1965	1965

NUMBER AND PERCENTAGE OF MIDDLE SCHOOLS IN HEST TENNESSEE HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDITIONS	TEMPORARIES
0	21 53.8	33 84.6
ī	12 30.8	5 12.8
2	2 5.1	0 0.0
3	4 10.3	1 2.6
TOTAL	39 100.0	39 100.0

NUMBER AND PERCENTAGE OF HIDDLE SCHOOLS IN HEST TENNESSEE OCCURRING IN SPECIFIED SCHOOL ENROLLMENT CATEGORIES

	ENROLLMENT	r.	NUMBER	PERCENTAGE	· ·	
···::0 <del>-</del>	LESS THAN	350	1.	2.6		
	LESS THAN		15	38.5	***************	
700-	LESS THAN	9999	23	59.0	******	
EDI	OTAL		39	100.0		1942 i 882
EKI(	to Pigo Permitri dissportes nes	oliki samanunina le pinen	ndera serves (*	ina-uni, ng pagagagagapan a lagat a na sa sa	101 201 301 401 501 601 701 801 901	,uut

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## NUMBER AND PERCENTAGE OF BUILDINGS OF HIDDLE SCHOOLS IN HEST TENNESSEE UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

GINAL 20.5	•	4	ADD1 30.8	3	ADD2 30.0	. 2	ADD3 40.0	1	TEMP1 25.0	0	TEMP2 0.0	0	TEMP3 0.0
					•								

SCHOOLS USING BASEMENT OF SOME STRUCTURE FOR INSTRUCTION:

ADD1

33.34

ADD3

TEMP1

TEMP2

## NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS IN WEST TENNESSEE HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

ORIGINAL

1 STORY	15	38.5	5	38.5	2	20.0	2	40.0	3	75.0	2	100.0	1	50.0
2 STORIES	12	30.8	6	46.2	5	50.0	2	40.0	0	0.0	0	0.0	Q	0.0
3 STORIES	12	30.8	2	15.4	3	30.0	1	20.0	1	25.0	0	0.0	1	50.0
4 STORIES	0	0.0	0	0.0	Ó	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0
TOTAL	39	100.0	13	100.0	10	100.0	5	100.0	4	100.0	2	100.0	2	100.0
. 9														•
TWO STORIES OR MORE	BUILT	BEFORE 19	20											
	3	7.7	٥	0.0	1	10.0	Q	0.0	0	0.0	, 0	0.0	Q ,	0.0
ALL WOOD STRUCTURES	OF MOR	E THAN ON	E STOR	Υ :				•						
	0	0.0	, O	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

ADD2

## NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS IN WEST TENNESSEE USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

i.					,											
à.,		ÖR	IGINAL		ADD1		ADD2		ADD3,		TEMP1		TEYPZ		TEMP3	
i. U	BRICK	25	64.1	6	46.2	7	70.0	4	80.0	1	25.0	1	50.0	1	50.0	
٠.	WOOD	0	0.0	0	0.0	0	0.0	0	0.0	1	25.0	, Ō	0.0	0	0.0	
	METAL	0	0.0	ø	0.0	0	0.0	0	0.0	2	50.0	1	50.0	1	50.0	
. 1	STONE	. 0	0.0	0	0.0	0	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	
	CCNCRETE	2	5.1	3	23.1	1	10.0	0	0.0	0	0.0	0	0.0	0	0.0	
ξ.	OTHER	0	0.0	Õ	0.0	0	Ō.O	0	0.0	0	0.0	0	0.0	0	0.0	
Y,	BRICK, WOOD	0	0.0	0	0.0	. 0	0.0	, Q	0.0	Q	0.0	Ō	0.0	Ō	0.0	
1	BRICK, METAL	2	5.1	0	0.0	Ī	10.0	0	0.0	Ō.	0.0	0	0.0	0	0.0	
	BRICK, STONG	0	0.0	1	7.7	0	0.0	Ō	0.0	Û	0.0	. 0	0.0	Ô	0.0	
	BRICK, CONCRETE	6	15.4	3	23.1	Ō	0.0	1	20.0	Ō	0.0	Ō	0.0	0	0.0	
:	BRICK, OTHER	0	0.0	0	0.0	0	0.0	. 0	0.0	Ō	0.0	0	0.0	0	0.0	
	BRICK, WOOD, METAL	0	0.0	Q	0.0	Ō	0.0	, Ō	0.0	Ō	0.0	Ō	0.0	Ò	0.0	
:	BRICK, WOCD, CONCRETE	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
	BRICK, METAL, CONCRETE	2	5.1	0	0.0	1	10.0	0	0.0	. 0	0.0	0	0.0	0	0.0	Q
	BRICK, STONE, CUNCRETE	. 0	0.0	0	0.0	0	0.0	Q.	0.0	. 0	0.0	· Q	0.0	0	0.0	N
	BRICK, WOOD, METAL, CONCRETE	1	2.6	0	0.0	0	0.0	0	0.0	.0	0.0	0	0.0	0	0.0	
	ALL OTHER COMBINATIONS	1	2.6	0	0.0	O,	0.0	0	ົ 0•0 ∹	0	0.0	0	0.0	0	0.0	
Υ.,	NC RESPONSE	Ō	0.0	Ó	0.0	0	0.0	0	0.0	0	0.0	. 0	0.0	Ō	0.0	
 ( *	TOTAL	39		13	100.0	10	100.0	5	100.0	4	100.0	2	100.0	2	100.0	
											-					

NUMBER OF STORIES

# NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS IN WEST TENNESSEE USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQ	UIFNENT	* * * * * * * * * * * * * * * * * * *				- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	e in a secondaria.
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ORIGINAL 35 89.7 3 7.7 1 2.6 0 0.0 39 100.0	ADD1 11 84.6 2 15.4 0 0.0 0 0.0 13 100.0	AODZ 9 93.0 1 10.0 0 0.0 0 0.0 10 100.0	ADD3 5 100.0 0 0.0 0 0.0 0 0.0 5 100.0	TEMP1 3 75.0 1 25.0 0 0.0 0 0.0 4 100.0	TEMP2 1 50.0 1 50.0 0 0.0 0 0.0 2 100.0	TENP3 1 50.0 0 0.0 1 50.0 0 0.0 2 100.0
	t.						
COOLING EC	UIPHENT			•			
JUST CENTRAL JUST WINDOW UNIT CENTRAL & WINDOW NO MECHANICAL TOTAL	ORIGINAL 17 43.6 3 7.7 0 0.0 19 48.7 39 100.0	ADD1 3 23.1 3 23.1 0 0.0 7 53.8 13 100.0	ADD2 , 2 20.0 1 10.0 0 0.0 7 70.0 10 100.0	ADD3 0 0.0 0 0.0 0 0.0 5 100.0 5 100.0	TEMP1 1 25.0 0 0.0 0 0.0 3 75.0 4 100.0	TEMP2 0 0.0 1 50.0 0 0.0 1 50.0 2 100.0	TEMP3 1 50.0 0 0.0 0 0.0 1 50.0 2 100.0
WINDO	W UNIT COOLING				4		
ALL ROCHS SELECTED ROOMS NO RESPONSE TOTAL	ORIGINAL 1 33.3 2 66.7 0 0.0 3 100.0	A0D1 1 33.3 2 66.7 0 0.0 3 100.0	ADD2 1 100.0 0 0.0 0 0.0 1 100.0	ADD3 0 0.0 0 0.0 0 0.0 0 100.0	TEMP1 0 0.0 0 0.0 0 0.0 0 100.0	TEMP2 0 0.0 1 100.0 0 0.0 1 100.0	TEMP3 0 0.0 0 0.0 0 0.0 0 100.0
The second secon		: u.s		Tight of the second of the sec			
LIGHTING I	CUIPMENT						
INCANDESCENT FLUORESCENT BOTH OTHER NO. RESPONSE	ORIGINAL 6 15.4 31 79.5 2 5.1 0 0.0 0 0.0 39 100.0	ADD1 3 23.1 8 61.5 1 7.7 1 7.7 0 0.0	ADD2 0 0.0 8 80.0 2 20.0 0 0.0 0 0.0 10 100.0	ADD3 0 0.0 4 80.0 1 20.0 0 0.0 0 0.0 5 100.0	TEMP1 0 0.0 4 100.0 0 0.0 0 0.0 0 0.0 4 100.0	TEMP2 0 0.0 2 100.0 0 0.0 0 0.0 0 0.0 2 100.0	TEMP3 0 0.0 2 100.0 0 0.0 0 0.0 0 0.0 2 100.0



	NUMBER	PERCENTAGE	1
WATER UTILITY	39	100.0	***************
PUMP ON PROPERTY	0	0.0	
CTHER (WELLS, ETC.)	0	0.0	
NO RESPONSE	0	0.0	**
TOTAL	39	100.0	
		. •	102 202 302 402 502 602 702 802 902 1002

NUMBER AND PERCENTAGE OF PRINCIPALS OF MIDDLE SCHOOLS IN WEST TENNESSEE EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCE	20	51.3	*****
CCNSTRUCTION	12.	30.8	**********
BOTH	1	2.6	<b> </b>
NEITHER (INCLUDING NO RESPONSE)	6	15.4	******
TOTAL	39	100.0	
· · · · · · · · · · · · · · · · · · ·		*	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

PLANT PROFILES: MIDDLE SCHOOLS IN WEST TENNESSEE

CRITERION	A Number	DEQUATE PERCENTAGE	SUBSTANDARD Number Percentage			
	NYMOEK	LÜVÖĞÜLMÜE	HAUDEN	LEVARALIMAE		
1. ENROLLMENT/CAPACITY RATIO <= 1	32	84.2	6	15.8		
2. MEETS NATIONAL SCHOOL SIZE STANDARDS	15	38.5	24	61.5		
3. MEETS NATIONAL SITE SIZE STANDARDS	4	10.8	, 33	89.2		
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	29	74.4	10	25.6		
5. NO TEMPORARY STRUCTURES	33	84.6	6	15.4		
6. NO BASEMENT USED FOR INSTRUCTION	26	66.7	13	33.3		
7. NO BUILDING OF WOOD EXCLUSIVELY	. 36	97.4	· 1	2.6		
8. CENTRAL HEATING IN ORIGINAL BUILDING	36	92.3	3	7•7		
9. CENTRAL AIR OR ALL WINDOW UNITS	18	46.2	14	35.9		
10. COMPLETE FLUORESCENT LIGHTING	31	79.5	5	12.6		
11. USE OF WATER UTILITY	39	100.0	0	0.0		
12. MEETS 7 OF 11 OF ABOVE CRITERIA	30	76.9	1	2.6		

DATA DISPLAY 3.3

SECONDARY SCHOOLS IN WEST TENNESSEE

59 RESPONDENTS

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN WEST TENNESSEE USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

EI	APOLLMENT/CAPACITY			· · · · · · · · · · · · · · · · · · ·
_	PATIO	NUMBER	PERCENTAGE	•
ΔBI	JVE 0.0- 0.5	1	1.8	<b> *</b>
	VE 0.5- 0.8	9	16.4	*******
	OVE 0.8- 1.0	26	47.3	***************
	OVE 1.0- 1.5	19	34.5	*******
ABI		O	0.0	1
•	OVE 2.0-13.0	0	0.0	
	TOTAL	55	100.0	
				10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
:	SCHOOLS THAT EXCEED	CAPACITY:	19	34.5%

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN WEST TENNESSEE HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES	NUMBER	PERCENTAGE	\$
O- LESS THAN 1	0	0.0	1
1- LESS THAN 5	6	10.7	[#####
5- LESS THAN 10	7	12.5	*****
10- LESS THAN 20	20	35.7	************
20- LESS THAN 30	15	26.8	******
30- LESS THAN 50	4	7.1	<b>  * * *</b>
50- LESS THAN 100	4	7.1	· 東中華
TOTAL	56	100.0	102 202 302 40% 50% 60% 70% 80% 90% 100%

MEDIAN SCHOOL SITE SIZE IS 15 ACRES

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN WEST TENNESSEE MEETING SITE SIZE REQUIREMENTS: 6 10.7%

" AGE (IN YEARS)	ORIGINAL		AOD1		ADD2		ADD3		TEMP1		TEMP2		TEMP3
60 OR OVER	2 3.4	0	0.0	er en (	0.0	0	0.0	Ó	0.0	0	0.0	0	0.0
40- LESS THAN 60	14 [*] 24.1 11 19.0	2	5.7 22.9	(	) 0.0 5 26.1	0	0.0 14.3	0 1	0.0 10.0	2	0.0 40.0	0	0.0 .0.0
20- LESS THAN 40 LESS THAN 20	31 53.4	25	71.4	· 1	73.9	12	85.7	9	90.0	.3	60.0	2	100.0
TOTAL	58 100.0	35	100.0	23	100.0	14	100.0	10	100.0	5	100.0	2	100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF SECONDARY SCHOOLS IN WEST TENNESSEE CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

		OR	IGINAL		ADD1		ADD2		ADD3		TEMP1		TEMP2		TEMP3
AFTER	1840 - 1870	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	1870 - 1880	Ô	0.0	Ō	0.0	. 0	0.0	0	0.0	Ō	0.0	0	0.0	0	0.0
	1880 - 1890	Ô	0.0	Ŏ	0.0	Ö	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	1890 - 1900	ō	0.0	Ö	0.0	Q	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	1900 - 1910	2.	3.4	Ō.	0.0	0	,0.0	0	0.0	0	0.0	0	0.0	0	0.0
	1910 - 1920	3	5.2	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	1920 - 1930	B	13.8	i	2.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	1930 - 1940	6	10.3	Ž	5.7	1	4.3	. 0	0.0	Ċ	0.0	0	0.0	0	0.0
	1940 - 1950	5	8.6	3	8.6	. 3	13.0	1	7.1	Q	0.0	0	0,0	0	0.0
	1950 - 1960	12	20.7	11	31.4	7	30.4	3	21.4	3	30.0	2	40.0	1	50.0
	1960 - 1970	16	27.6	14	40.0	10	43.5	10	71.4	3	30.0	1	20.0	1	50.0
	1970 - 1973	6	10.3	4	11.4	2	8.7	0	0.0	4	40.0	2	40.0	0	0.0
144 4 E14	TOTAL	58	100.0	35	100.0	23	100.0	14	100.0	10	100.0	5	100.0	2	100.0

1	ORIGINAL	ADD1	ADD2	ADD3	TEMP1	TEMP2	TEMP3
OLDEST STRUCTURE	1909	1928	1938	1950	1952	1951	1955
MEAN YEAR OF CONSTRUCTION	1950	1958	1958	1962	1966	1963	1962

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN WEST TENNESSEE HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDI	TIONS	TEMPORARIES				
0	22	37.3	49	83.1			
1	15	25.4	5	8.5			
2	9	15.3	3	5.1			
3	13	22.0	2	3.4			
TOTAL	59	100.0	59	100.0			

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN WEST TENNESSEE CCCURRING IN SPECIFIED SCHOOL ENROLLMENT CATEGORIES

ENROLLMENT O- LESS THAN 350- LESS THAN 700- LESS THAN	350 700	NUMBER 5 17 37	PERCENTAGE 8.5 28.8 62.7	****			****	****	****		ř			i.
TOTAL		59	100.0	105	20 <b>%</b>	30\$	401	 50%	601	<del>-</del> i 701	801	903	1007	



NUMBER AND PERCENTAGE OF BUILDINGS OF SECONDARY SCHOOLS IN WEST TENNESSEE UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS.

OR	ORIGINAL ADD1			A002		ADD3 TE		TEMP1		TEMP2		TEMP3		
16	27.1	2	5.7	2	8.7	1.	7.1	0	0.0	0	0.0	ŋ	0.0	
	SCHOO	DLS USI	NG BASEMI	ENT OF	SOME STR	LUCTURE	FOR INST	Ruction	:	17	28.87			

NUMBER AND PERCENTAGE OF BUILDINGS OF SECONDARY SCHOOLS IN WEST TENNESSEE HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES	OR	IGINAL		A001		ADD2		ADD3		TEMP1		TEMP2		TEMP3-	
1 STORY	23	39.0	17	48.6	10	43.5	8	57.1	8	80.0	2	40.0	1	50.0	
2 STORIES	23	39.0	13	37.1	10	43.5	4	28.6	2	20.0	3	60.0	ī	50.0	
3 STORIES	13	22.0	5	14.3	3	13.0	2	14.3	0	0.0	Ó	0.0	Ō	0.0	
4 STORIES	0	0.0	0	0.0	٥	0.0	0	0.0	0	0.0	0	0.0	Ŏ	0.0	
TOTAL	59	100.0	35	100.0	23	100.0	14	100.0	10	100.0	5	100.0	2	100.0	
					-	•									
•															

TWO STORIES OR MORE BUILT BEFORE 19	20								2		
	0.0	0	0.0	0	0.0	0	0.0	Ó	0.0	0	0.0
ALL WOOD STRUCTURES OF MORE THAN ON	E STORY										
0 0.0	0 0.0	0	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF SECONDARY SCHOOLS IN WEST TENNESSEE USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

•															
	OR	IGINAL		ADD1		ADD2		AD03		TEMP1		TEMP2		TEPP3	
BRICK	35	59.3	22	62.9	14	60.9	9	64.3	3	30.0	3	60.0		50.0	
WCOO	0	0.0	Ô	0.0	0	0.0	0	0.0	0	0.0	ō	0.0		0.0	
METAL	0	0.0	0	0.0	1	4,3	0		3	30.0	Ō	0.0		0.0	
STONE	0	0.0	0	0.0	0	0.0	0		Ŏ	0.0	Ŏ	0.0		0.0	
CCNCRETE	1	1.7	1	2.9	0	0.0	1	7.1	Ó	0.0	ō	0.0		0.0	
OTHER	· O	0.0	1	2.9	1	4.3	0	0.0	1	10.0	Ö	0.0		0.0	
BRICK, WOOD	1	1.7	· O	0.0	0	0.0	Ō		Ö	0.0	Ō	0.0		0.0	
BRICK, METAL	3	5.1	0	0.0	′ 0	0.0	1	7.1	Ŏ	0.0	Ö	0.0	,	0.0	
BRICK. STONE	1	1.7	0	0.0	0	.0.0	Ō		Ō	0.0	Ó	0.0	ì	0.0	
BRICK, CONCRETE	8	13.6	5	14.3	5	21.7	2	14.3	ì	10.0	ī	20.0		50.0	
BRICK, OTHER	0	0.0	0	0.0	Ö	0.0	Ō		ō	0.0	ō	0.0		0.0	
BRICK, WOOD, METAL	. 0	0.0	Ō	0.0	0	0.0	Ö		0	0.0	Ŏ	0.0		0.0	
BRICK, WOOD, CONCRETE	1	1.7	1	2.9	0	0.0	Ō		ō	0.0	ă	0.0		0.0	í
BRICK, METAL, CONCRETE	8	13.6	4	11.4	2	8.7	1	7.1	ĺ	10.0	ī	20.0		0.0	
BRICK, STONE, CONCRETE	0	0.0	0	0.0	Ö	0.0	Ō		. 0	0.0	Ō	0.0		0.0	
BRICK, WOOD, METAL, CONCRETE	0	0.0	0	0.0	0	0.0	. 0		ō	0.0	. 0	0.0		0.0	
ALL GTHER COMBINATIONS	0	0.0	0	0.0	0	0.0	. 0	- * -	1	10.0	Ō	0.0		0.0	
NC RESPONSE	1	1.7	1.		0	0.0	Ō	0.0	Ō	0.0	Ó	0.0		0.0	 
A STATE TOTAL	59			100.0	23	100.0	. 14	100.0	10		. 5	100.0		100.0	. 447 . 47

HEATING EQ	UIPMENT												*
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	2 4 3	NAL 4.7 26 3.4 3 6.8 4 5.1 2 0.0 35	ADD1 74.3 8.6 11.4 5.7 100.0	22 0 0 1 23	ADD2 95.7 0.0 0.0 4.3 100.0	11 1 0 2 14	A0D3 78.6 7.1 0.0 14.3 100.0	5 3 2 0 10	TEMP1 50.0 30.0 20.0 0.0 100.0	5 0 0 0 5	TEMPZ 100.0 0.0 0.0 0.0 100.0	200000000000000000000000000000000000000	0.0 0.0 0.0
COOLING EQ	UIPMENT		_										
JUST CENTRAL JUST WINDOW UNIT CENTRAL & WINDOW NO MECHANICAL TOTAL	13 2 0 27 4	NAL 2.2 8 2.0 3 0.0 0 5.8 24 0.0 35	ABD1 22.9 8.6 0.0 68.6 100.0	6 2 0 15 23	ADD2 26.1 8.7 0.0 65.2 100.0	6 2 0 6 14	ADD3 42.9 14.3 0.0 42.9 100.0	5 2 0 3 10	TEMP1 50.0 20.0 0.0 30.0 100.0	2 0 0 3 5	TEMP2 40.0 0.0 0.0 60.0 100.0	1 1 0 0	50.0 0.0 0.0
DONIM	H UNIT CO	ŌL I NG									i		
ALL ROOMS SELECTED ROOMS NC RESPONSE TOTAL	9 6	NAL 0.8 3 9.2 0 0.0 0 0.0 3	ADD1 100.0 0.0 0.0 100.0	1 1 0 2	ADD2 50.0 50.0 0.0 100.0	1 0 1 2	ADD3 50.0 0.0 50.0 100.0	1 1 0 2	TEMP1 50.0 50.0 0.0 100.0	0 0 0	TEMP2 0.0 0.0 0.0 100.0	0 1 0 1	100.0
LIGHTING E	QUIPMENT									•			
INCANDESCENT FLUGRESCENT BOTH CTHER NO RESPONSE TOTAL	46 7 1 0 1	NAL 8.6 8 8.0 26 1.7 0 0.0 1 1.7 0 0.0 35	AÇ01 22.9 74.3 0.0 2.9 0.0 100.0	3 19 1 0 0 23	ADD2 13.0 82.6 4.3 0.0 0.0	4 9 0 0 1 14	A0D3 28.6 64.3 0.0 0.0 7.1	1 8 1 0 0	TEMP1 10.0 80.0 10.0 0.0 0.0 100.0	1 3 0 0 1 5	TEMP2 20.0 60.0 0.0 0.0 20.0 100.0	0 2 0 0 0 2	100.0 0.0 0.0 0.0

### NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN WEST TENNESSEE USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE	
WATER UTILITY	58	98.3	*****************
PUMP ON PROPERTY	1	1.7	•
OTHER (WELLS, ETC.)	0	0.0	
NO RESPONSE	Ō	0.0	
TOTAL	59	100.0	뒢હ프림등속윤면를 등장등록속보는 등록분분분분보고 등문문문문으로 분들보는 등로 등문을 수 <del>등업</del> 용문문문
IDIAL			101 201 301 401 501 601 701 801 901 1001

NUMBER AND PERCENTAGE OF PRINCIPALS OF SECONDARY SCHOOLS IN WEST TENNESSEE EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	•
MAINTENANCE	22	37.3	<b>本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本</b>
CONSTRUCTION	28	47.5	*******
BCTH	1	1.7	<b> </b> *
NEITHER (INCLUDING NO RESPONSE)	8	13.6	*****
TOTAL	59	100.0	골라드르르토르후마르토르프라마프라프라프로프로프로드트트로프라프로프로르토르토르토르토르토르토르토르토르토르토르토르토르토르토르토르토르토르토
inist			101 201 301 401 501 601 701 801 901 1001

PLANT PROFILES: SECONDARY SCHOOLS IN WEST TENNESSEE

	CRITERION	A	DEQUATE	SUBSTANDARD				
	CUTTENTON	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE			
1.	ENROLLMENT/CAPACITY RATIO <= 1	36	65.5	19	34.5			
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	29	49.2	30	50.8			
3.	MEETS NATIONAL SITE SIZE STANDARDS	6	10.7	. 50	89.3			
4.	ORIGINAL BUILDING 30 YRS OLD OR LESS	39	67.2	19	32.8			
5.	NO TEMPORARY STRUCTURES 1	49	83.1	10	16.9			
6.	NO BASEMENT USED FOR INSTRUCTION	42	71.2	17	28.8			
7.	NO BUILDING OF WOOD EXCLUSIVELY	59	100.0	0	0.0			
8.	CENTRAL HEATING IN ORIGINAL BUILDING	54	91.5	5	8.5			
9.	CENTRAL AIR OR ALL WINCOW UNITS	22	37.3	16	27.1			
10.	CCHPLETE FLUORESCENT LIGHTING	45	76.3	8	13.6			
11.	USE OF WATER UTILITY	58	98.3	1	1.7			
<u>[C</u>	MEETS 7 OF 11 OF ABOVE CRITERIA	41	69.5	0,	0.0			

CATA DISPLAY 3.4

#### COMBINED SCHOOLS IN WEST TENNESSEE

28 RESPONDENTS

NUMBER AND PERCENTAGE OF MAINED SCHOOLS IN WEST TENNESSEE USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROL	LMENT/CAPACI	ĪŢ											
	RATIO .	NUMBER	PERCENTAGE										
ABOVE	0.0- 0.5	2	7.7	****									
ABCVE	0.5- 0.8	3	11.5	*****									
ABCVE	0.8- 1.0	12	46.2	*****	****	****	****	春春					
ABOVE	1.0- 1.5	9	34.6	*****	****	***	#						
ABCVE	1.5- 2.0	0	0.0	1									
ABOVE	2.0-13.0	0	0.0	1									
	TOTAL	26	100.0	<u> </u>									
				10%	20%	30%	40%	50%	60%	70%	80 <b>Z</b>	90%	100%
SCHO	GLS THAT EXC	EED CAPACITY:	9	34.64									

NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN WEST TENNESSEE HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES	NUMBER	PERCENTAGE	
O- LESS THAN 1	0	0.0	
1- LESS THAN 5	7	25.9	*******
5- LESS THAN 10	6	22.2	******
10- LESS THAN 20	12	44.4	************
20- LESS THAN 30	1	3.7	**
30- LESS THAN 50	1	3.7	**
50- LESS THAN 100	0	0.0	
TOTAL	27	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

MEDIAN SCHOOL SITE SIZE IS 10 ACRES

NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN WEST TENNESSEE MEETING SITE SIZE REQUIREMENTS: 0 0.0%



AGE (IN YEARS)	ORIGINAL	ACD1	ADD2	ADD3	TEMP1	TEMP2	TEMP3
69 OR OVER	5 18.5	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
40- LESS THAN 60	11 40.7	4 19.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
20- LESS THAN 40	11 40.7	7 33.3	8 44.4	2 16.7	3 37.5	1 33.3	0 0.0
LESS THAN 20	0 0.0	10 47.6	10 55.6	10 83.3	5 62.5	2 66.7	1 100.0
LESS'THAN 20 Total	0 0.0 27   100.0	10 47.6 21 100.0	10 55.6 18 100.0	10 83.3	8 100.0	3 100.0	1 100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF COMBINED SCHOOLS IN WEST TENNESSEE CONSTRUCTED OR ADDED IN SPECIFIED CECADES, 1840-1973

	ΩŘ	TGINAL		ADD1		ADDŽ		ADD3		TEMPI		TEMP2		TEMP3
AFTER 1840 - 1870	Õ	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	0	0.0	0	0.0
AFTER 1870 - 1980	1	3.7	ō	0.0	Ō	0.0	0	0.0	0	0.0	Q	0.0	Ó	0.0
AFTER 1880 - 1890	ñ	0.0	Ô	0.0	Ô.	0.0	0	0.0	Ō	0.0	0	0.0	0	0.0
AFTER 1890 - 1900	Ö	0.0	Ŏ	0.0	Õ	0.0	0	0.0	0	0.0	Q	0.0	0	0.0
AFTER 1900 - 1910	,	7.4	Ō	0.0	Ö	0.0	0	0.0	0	0.0	0	0.0	Ø	0.0
AFTER 1910 - 1920	3	11.1	i	4.8	0	0.0	0	0.0	0	0.0	Û	0.0	0	0.0
AFTER 1920 - 1930	10	37.0	3	14.3	Ō	0.0	Q	0.0	0	0.0	0	0.0	0	0.0
AFTER 1930 - 1940	Š	11.1	1	4.8	1	5.6	0	0.0	1	12.5	0	0.0	0	0.0
AFTER 1940 - 1950	7	25.9	4	19.0	4	22.2	1	8.3	1	12.5	1	33.3	0	0.0
AFTER 1950 - 1960	i	3.7	8	38.1	7	38.9	2	16.7	1	12.5	1	33.3	0	0.0
AFTER 1960 - 1970	Ō	0.0	4	19.0	5	27.8	5	41.7	0	0.0	0	0.0	0	0.0
AFTER 1970 - 1973	ō	0.0	Ō	0.0	1	5,6	4	33.3	5	62.5	1	33.3	1	100.0
TOTAL	27	100.0	21	100.0	18	100.0	12	100.0	8	100.0	3	100.0	1	100.0

·	ORIGINAL	ADD1	ADDZ	ADD3	TEMP1	TEMP2	TEMP3
OLDEST STRUCTURE	1880	1920	1938	1947	1936	1948	197 <u>1</u>
MEAN YEAR OF CONSTRUCTION	1929	1948	1956	1964	1961	1959	1971

NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN WEST TENNESSEE HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADÓI	TIONS	TEMPORARIES				
0	4	14.3	20	71.4			
i	8	28.6	5	17.9			
2	5	17.9	2	7.1			
3	11	39.3	1	3.6			
TOTAL	28	100.0	28	100.0			

NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN WEST TENNESSEE CCCURRING IN SPECIFIED SCHOOL ENROLLMENT CATEGORIES

ENROLLMENT	NUMBER	PERCENTAGE	
O- LESS THAN 350	6	21.4	*******
350- LESS THAN 700	19	67.9	*******************
TO LESS THAN 9999	3	10.7	*****
	28	100.0	<b>通过企业的基础设计的工作,并不是不是有关的企业的企业的企业的企业的企业的企业的企业的企业的企业的企业的企业的企业的企业的</b>
ERIC TOTAL	<b>=</b> -		102 202 302 402 502 602 702 802 902 1002

101

ORIGINAL ADD1 ADD2 ADD3 TEMP1 TEMP2 TEMP3 9 32.1 1 4.8 1 5.6 0 0.0 . 1 12.5 0 0.0 0 0.0

SCHOOLS USING BASEMENT OF SOME STRUCTURE FOR INSTRUCTION: 10

NUMBER AND PERCENTAGE OF BUILDINGS OF COMBINED SCHOOLS IN HEST TENNESSEE HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES	OR	IGINAL		ACD1		ADD2		ADD3		TEMPL		TEMP2		TEMP3
1 STORY	18	64.3	17	81.0	14	77.8	11	91.7	8	100.0	3	100.0	1	100.0
2 STORIES	8	28.6	3	14.3	3	16.7	1	8.3	Ō	0.0	0	0.0	0	0.0
3 STORIES	2	7.1	1	4.8	1	5.6	0	0.0	0	0.0	Q	0.0	0	0.0
4 STORIES	0	0.0	0	0.0	0	0.0	Q	0.0	0	0.0	0	0.0	0	0.0
TOTAL	28	100.0	21	100.0	18	100.0	12	100.0	8	100.0	3	100.0	1	100.0
ı														

35.7%

TWO STORIES OR MORE BUILT BEFORE 1920 14.3 0.0 0.0 0.0 0.0 0.0 ALL AGOD STRUCTURES OF MORE THAN ONE STORY 0 0.0 0 0.0 0.0 0.0 0.0 0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF COMBINED SCHOOLS IN WEST TENNESSEE USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ORIGIN	AL	ΑĐ	01		ADD2		A003		TEMP1		TEMP2		TEMP3
BRICK	25 09	.3 1	6 76	•2	14	77.8	8		2	25.0	2	66.7	0	0.0
WOOD	Ò O	÷0	1 4	•8 ·	Ī	5.6	0	0.0	1	12.5	0	0.0	0	0.0
METAL	0 0	•0	1 4	. 8	0	0.0	2	16.7	4	50.0	1	33.3	1	100.0
STONE	0 0	•0	0 0	.0	0	0.0	0	0.0	0	0.0	Ō	0.0	0	0.0
CCNCRETE	1 3	•6	2 9	• 5	1	5.6	1	8.3	Ō	0.0	0	0.0	0	0.0
OTHER	0 0	•0	Ō Ō	•0	0	0.0	1	8.3	Ō	0.0	0	0.0	0	0.0
BRICK, WOOD	1 3	•6	<b>0</b> Ø	. O	Ō	0.0	Ó	0.0	0	0.0	Ō	0.0	0	0.0
BRICK, METAL	0 0	.0	0 0	• 0	0	0.0	0	0.0	Ō	0.0	Ō	0.0	0	0.0
BRICK, STONE	Ô Q	•0	0 0	•0	Ō	0.0	0	0.0	Õ	0.0	0	0.0	0	0.0
BRICK, CONCRETE	0 0	•0	1 4	· B	1	5.6	0	0.0	1	12.5	0	0.0	0	0.0
BRICK, CTHER	0 0	•0	0 0	·Ů	Q	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BRICK, WOOD, METAL	0 0	•0	0 0	• ()	0	0.0	Ō	0.0	Ō	0.0	0	0.0	0	0.0
BRICK, WOOD, CONCRETE	0 - 0	• 0	0 0	•0	1	5.6	0	0.0	Ō	0,0	0	0.0	0	0.0
BRICK, METAL, CONCRETE	0 0	• 0	0 0	Ō	0	0.0	0	0.0	Ō	0.0	0	0.0	0	0.0
BRICK, STONE, CONCRETE	0 Q	• 0	0 0	.0	0	0.0	0	0.0	Ó	0.0	0	0.0	0	0.0
BRICK, WOOD, METAL, CCNCRETE	0 0	•0	0 V	,0	0	0.0	0	0.0	Ō	0.0	0	0.0	Q	0.0
ALL OTHER COMBINATIONS	1 3	• 6	0 0	,0	Ô	0.0	0	0.0	0	0.0	0	0.0	į.	0.0
NC RESPONSE	0 0	•0	0 0	0	Ō	0.0	0	0.0	Ō	0.0	0	0.0	0	0.0
TOTAL	28 100	.0 2	1 100	Ö	18	100.0	12	100.0	8	100.0	3	100.0	1	100.0

ERIC Provided by ERIC

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## NUMBER AND PERCENTAGE OF BUILDINGS OF COMBINED SCHOOLS IN WEST TENNESSEE USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQ	JIPMENT						
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ORIGINAL 25 89.3 3 10.7 0 0.0 0 0.0 28 100.0	ADD1 16 76.2 4 19.0 0 0.0 1 4.8 21 100.0	A002 15 83.3 2 11.1 0 0.0 1 5.6 18 100.0	ADD3 8 66.7 3 25.0 0 0.0 1 8.3 12 100.0	TEMP1 4 50.0 3 37.5 1 12.5 0 0.0 8 100.0	TEMP2 1 33.3 1 33.3 1 33.3 0 0.0 3 100.0	TEMP3 0 0.0 0 0.0 1 100.0 0 0.0 1 100.0
COOLING EQ	UIPMENT						
	ORIGINAL	ADDI	ADD2	ADD3	TEMP1	TEMPZ	TEMP3
JUST CENTRAL	1 3.6	2 9.5	4 22.2	3 25.0	4 50.0	1 33.3	1 100.0 0 0.0
JUST WINDOW UNIT	14 50.0	8 38.1	. 9 50.0	4 33.3	0 0.0	1 33.3 0 0.0	0 0.0
CENTRAL & WINDOW	0 0.0	1 4.8	0 0.0 5 27.8	1 8.3 4 33.3	4 50.0	1 33.3	0 0.0
NO MECHANICAL	13 46.4	10 47.6 21 100.0	18 100.0	12 100.0	8 100.0	3 100.0	1 100.0
TOTAL	28 100.0	21 10010	10 10010		· •		
WINDO	W UNIT COOLING						
	ORIGINAL	ACD1	ADD2	ADD3	TEMP1	TEMP2	TEMP3
ALL ROOMS	6 42.9	6 66.7	5 55.6	3 60.0	0 0.0	1 100.0	0 0.0
SELECTED ROUMS	7 50.0	2 22.2	2 22.2	1 20.0	0 0.0	0 0.0	0 0.0
NO RESPONSE	1 7.1	1 11.1	2 22•2 9 100•0	1 20.0 5 100.0	0 0.0 0 100.0	1 100.0	0 100.0
TOTAL	14 100.0	9 100.0	7 10040	, 10000		• ••••	
LIGHTING É	CUIPMENT						ı
	ORIGINAL	ADD1	ADD2	ADD3	TEMP1	TEMP2	TEMP3
INCANDESCENT	14 50.0	10 47.6	9 50.0	4 33.3	2 25.0	1 33.3	0.0
FLUCRE SCENT	12 42.9	9 42.9	7 38.9	7 58.3	6 75.0	2 66.7	· 1 100.0
вотн	1 3.6	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0 0 0.0	0 0.0
CTHER	1 3.6	2 9.5	2 11.1	0 0.0 1 8.3	0 0.0	0 0.0	0 0.0
NO RESPONSE	0 0.0	0 0.0	0 0.0 18 100.0	1 8.3 12 100.0	8 100.0	3 100.0	1 100.0
TOTAL	28 100.0	21 100.0	TO TANK	PP TABLE			



NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN WEST TENNESSEE USING SPECIFIED SCURCES OF WATER SUPPLY.

	NUMBER	PERCENTAGE	
WATER UTILITY	24	85.7	************
PUMP ON PROPERTY	3	10.7	*****
CTHER (WELLS, ETC.)	ļ	3.6	]**
NO RESPONSE	0	0.0	1
TOTAL.	28	100.0	골골ĸķæĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸ
7 m ² 1 1 m	<b>-</b>	-	101 201 301 401 501 601 701 672 901 1001

NUMBER AND PERCENTAGE OF PRINCIPALS OF COMBINED SCHOOLS IN WEST TENNESSEE EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCÉ	22	78.6	********
CCNSTRUCTION	5	17.9	* * * * * * * * * * * * * * * * * * *
BOTH	0	0.0	
NEITHER (INCLUDING NO RESPONSE)	1	3.6	**
TOTAL	28	100.0	www.comanacacacacacacacacacacacacacacacacacaca
1914		••••	107 207 307 407 507 607 707 807 907 1007

PLANT PROFILES: COMBINED SCHOOLS IN WEST TENNESSEE

	£8.17£8.100	A (	DEQUATE	SUBSTANDARO		
	CRITERION	NUMBER	PERCENTAGE	NUMBÉR	PERCENTAGE	
ı.	ENROLLMENT/CAPACITY RATIO <= 1	17	65.4	9	34.6	
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	21	75.0	7	25.0	
3.	MEETS NATIONAL TITE SIZE STANDARDS	0	0.0	27	100.0	
4.	ORIGINAL BUILDING 30 YRS OLD OR LESS	6:	22.2	21	77.6	
5.	NC TEMPORARY STRUCTURES	20	71.4	8	28.6	
6.	NO BASEMENT USED FOR INSTRUCTION	18	64.3	10	35.7	
7,	NO BUILDING OF WOOD EXCLUSIVELY	26	92.9	2	7.1	
8.	CENTRAL HEATING IN ORIGINAL BUILDING	25	89.3	3	10.7	
۹.	CENTRAL AIR DR' ALL WINDOW UNITS	8	28.6	9	32.1	
10.	COMPLETE FLUORESCENT LIGHTING	9	,32.1	7	25.0	
11.	USE OF WATER UTILITY	24	65.7	4	14.3	
12.	MEETS 7 OF 11 OF ABOVE CRITERIA	12	42.9	2	7.1	

DATA DISPLAY 3.5

ELEMENTARY SCHOOLS IN MIDDLE TENNESSEE

311 RESPONDENTS

NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN MIDDLE TENNESSEE USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENRO	LLMENT/CAPACITY				
	PATIO	NUMBER	PERCENTAGE		
ABOVE	0.0-0.5	15	4.9	<b>  **</b>	
ABOVE	0.5- 0.8	73	24.0	******	
ABOVE	∞0.8 <del>-</del> 1.0	131	43.1	*************	-
ABOVE	1.0- 1.5	60	26.3	*********	
ABOVĒ	1.5- 2.0	5	1.6	<b> *</b>	
ABCVE	2.0-13.0	0	0.0		
1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	TOTAL	304	100.0		= .
oferijose <del>Kam</del> olaran sara	ne note e en en la cual numicionen i	ing a second sec		107 207 307 407 507 607 707 807 907 100	Z.
· .	:				
- SCH	OGLS THAT EXCEED	CAPACITY:	85	28.0%	1.

NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN MIDDLE TENNESSEE HAVING SITES OF SPECIFIED SIZES (IN ACRES)

	ACRES	NUMBER	PERCENTAGE		
0-	LESS THAN 1	0	0.0		
	LESS THAN 5	67	22.3	********	·
	LESS THAN 10	120	40.0	**********	
_	LESS THAN 20	88	29.3	******	1 1 (4)
20-	LESS THAN 30	20	6.7	***	
30-	LESS THAN 50	4	1.3		
50-	LESS THAN 100	1	0.3		· (2)
	TOTAL	300	100.0		
				10% 20% 30% 40% 50% 60% 70% 80% 90	X 100%

MEDIAN SCHOOL SITE SIZE IS 7 ACRES

NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN MIDDLE TENNESSEE MEETING SITE SIZE REQUIREMENTS: 51 17.0%

### NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN MIDDLE TENNESSEE CCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	OR	IGINAL		ACD1		AD02		ADD3		TEMP1		TEMP2		TEMP3
60 OR OVER	12	4.0	2	1.2	1	0.9	0	0.0	Ó	0.0	Q	0.0	0	0.0
40- LESS THAN 60	37	12.3	4	2.4	3	2.6	Ō	0.0	1	1.9	0	0.0	0	0.0
20- LESS THAN 40	129	42.9	60	36.6	18	15.7	8	17.4	1	1.9	0	0.0	Ō	0.0
LESS THAN 20	123	40.9	98	59.8	93	80.9	38	82.6	52	96.3	26	100.0	16	100.0
TOTAL	301	100.0	164	100.0	115	100.0	46	100.0	54	100.0	26	100.0	16	100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN MIDDLE TENNESSEE CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	QA	IGINAL	· .	ACD1		ADD2		ADD3		TEMP1		TEMP2		TEMP3
AFTER 1840 - 1970	0	0.0	0	0.0	Ó	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1870 - 1880	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	ō	0.0
AFTER 1880 - 1890	3	1.0	0	0.0	0	0.0	0	0.0	0	0.0	Ö	0.0	ō	0.0
AFTER 1890 - 1900	1	0.3	1	0.6	0	0.0	0	0.0	0	0.0	0	0.0	ō	0.0
AFTER 1900 - 1910	4	1.3	i	0.6	1	0.9	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1910 - 1920	11	3.7	2	1.2	0	0.0	0	0.0	"N	1.9	0	0.0	Ô	0.0
AFTER 1920 - 1930	23	7.6	2	1.2	3	2.6	0	0.0	0	0.0	Ō	0.0	ō	0.0
AFTER 1930 - 1940	43	14.3	8 .	4,9	' 3	2.6	2	4.3	0	0.0	ō	0.0	Õ	0.0
AFTER 1940 - 1950	58	19.3	25	15.2	7	6.1	3	6.5	Ō	0.0	Ō	0.0	Ō	0,0
AFTER 1950 - 1960	105	34.9	70	42.7	35	30.4	8	17.4	3	5.6	ī	3.8	ō	0.0
AFTER 1960 - 1970	46	15.3	51	31.1	55	47.8	29	63.0	33	61.1	14	53.8	11	69.8
AFTER 1970 - 1973	6	2.0	.4	2.4	11	9.6	4	8.7	17	31.5	11	42.3	**	31.3
TOTAL	301	100.0	164	100.0	115	100.0	46	100.0	54	100.0	26	100.0	16	100.0

	ORIGINAL	ADD1	. ADD2	ADD3	TEMPL	TEMP2	TEMP3
OLDEST STRUCTURE	1878	1898	1910	1935	1917	1958	1963
MEAN YEAR OF CONSTRUCTION	1947	1955	1960	1962	1967	1969	1 768

NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN MIDDLE TENNESSEE HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADD	ITIONS	TEMPO	RARIES
0	108	34.7	241	77.5
1	112	36.0	50	16.1
2	60	19.3	14	4.5
3	31	10.0	6	1.9
TOTAL	311	100.0	311	100.0

NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN MIDDLE TENNESSEE CCCURRING IN SPECIFIED SCHOOL ENROLLMENT CATEGORIES

ENROLLMENT	NUMBER	PERCENTAGE	
O- LESS THAN 350	143	46.6	***************
350- LESS THAN 700	133	43.3	*************
700- LESS THAN 9999	31	10.1	(*****
TOTAL	307	100.0	♥ 중요 등 당한 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등
	•		101 201 301 401 501 601 701 802 901 1001

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NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN MIDDLE TENNESSEE UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

ORIGINAL ADD1 ADD2 ADD3 TEMP1 TEMP2 TEMP3
51 16.4 9 5.5 9 7.8 4 8.7 0 0.0 0 0.0 0 0.0

SCHOOLS USING BASEMENT OF SOME STRUCTURE FOR INSTRUCTION:

66 21.2%

NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN MIDDLE TENNESSEE HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES	ÇR	IGINAL		ADD1		ADD2		ADD3	P II. (6)	TEMPL		TEMPZ		TEMP3
1 STORY	246	79.1	132	80.5	98	85.2	40	87.0	52	96.3	26	100.0	16	100.0
2 STORIES	55	17.7	32	19.5	16	13,9	6	13.0	2	3.7	0	0.0	0	0.0
3 STORIES	9	2.9	Q	0.0	1	0.9	0	0.0	0	0.0	0	0.0	Ō	0.0
4 STORIES	1	0.3	0	0.0	9	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL	311	100.0	164	100.0	115	100.0	46	100.0	54	100.0	26	100.0	16	100.0
			*	:										

NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN MIDDLE TENNESSEE USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

				•											
	OR	IGINAL		ADD 1		ADD2		ADD3		TEMP1		TEMP2		TEMP3	
BRICK	243	78.1	133	81.1	86	74.8	37	80.4	2	3.7	0	0.0	0	0.0	
W000	7	2.3	3	1.8	1	0.9	0	0.0	. 1	13.0	3	11.5	2	12.5	
METAL.	2	0.6	Õ	0.0	2	1.7	1	2.2	34	63.0	20	76.9	11	68.8	
STONE	. 5	1.6	1	0.6	1	0.9	0	0.0	0	0.0	0	0.0	0	0.0	
CCNCRETE	6	1.9	5	3.0	5	4.3	Ž	4.3	1	1.9	Ō	0.0	Ô	0.0	
OTHER	1	0.3	1	0.6	Ó	0.0	ļ	2.2	1	1.9	1	3.8	1	6.3	
BRICK, WOOD	4	1.3	Q	0.0	0	0.0	0		0	0.0	0	0.0	Ō	, 0.0	**
BRICK, METAL	4	1.3	1	0.6	Ō	0.0	Ô		0	0.0	0	0.0	0	0.0	
BRICK, STONE	2	0.6	1	0.6	2	1.7	Ō		0	0.0	Ó	0.0	, 0	0.0	
BRICK, CONCRETE	9	2.9	5		ī	0.9	0		Ō	0.0	Ö	0.0	Ō	0.0	
BPICK, OTHER	Ó	0.0	Ō	0.0	. 0	0.0	0		0	0.0	0	0.0	Ō	0.0	
BRICK, WOOD, METAL	2	0.6	. 1	0.6	. 1	0.9	1	2.2	0	0.0	Ō	0.0	Ó	0.0	
BRICK, WOOD, CONCRETE	3	1.0	3	1.8	ž	1.7	ĺ	2.2	Ō	0.0	Ô	0.0	Ò	0.0	
BRICK, METAL, CONCRETE	7	2.3	2	1.2	1	0,9	Ō	0.0	Õ	0.0	Ō	0,0	Ō	0.0	
BRICK, STONE, CONCRETE	i	0.3	ī	0.6	ō	0.0	Ō		Õ	0.0	Ô	0.0	ō	0.0	
BRICK, WOOD, METAL, CONCRETE	,	0.6	2	1.2	1	0.9	Ō		Ŏ	0.0	Ō	0.0	Ŏ	0.0	
ALL OTHER COMBINATIONS	12		3	1.8	3	2.6	1	2.2	5	9.3	ž	7.7	1	6.3	
NO RESPONSE	1	0.3	2	1.2	9	7.8	,	4.3	· 4	7.4	ñ	0.0	i	6.3	
TOTAL	311		164		115	100.0	44	100.0	54	100.0	26	100.0	16	100.0	
IUIML	3 6 6	FAASA	TOT	10010	***	*****	.45	14444	#7	Tanià	. 20	TARIA	Ťô	TAABA	

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HEATING E	QUIPMEN	T									ı			
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	OR 258 39 13 1	1GINAL 83.0 12.5 4.2 0.3 100.0	131 21 7 5 164	ADD1 79.9 12.8 4.3 3.0 100.0	87 13 3 12 115	ADD2 75.7 11.3 2.6 10.4 100.0	33 7 1 5 46	ADD3 71.7 15.2 2.2 10.9 100.0	20 25 3 6 54	TEMP1 37.0 46.3 5.6 11.1 100.0	12 11 2 1 26	TEMP2 46.2 42.3 7.7 3.8 100.0	5 8 0 3 16	TEMP3 31.3 50.0 0.0 18.8 100.0
COOLING E	CUIPMEN	T												
JUST CENTRAL JUST WINDOW UNIT CENTRAL & WINDOW NO MECHANICAL TOTAL	OR 27 77 2 205 311	1GINAL 8.7 24.8 0.6 65.9 100.0	10 31 2 121 164	ADD1 6.1 18.9 1.2 73.8 100.0	20 15 0 80 115	ADD2 17.4 13.0 0.0 69.6 100.0	8 5 0 33 46	ADD3 17.4 10.9 0.0 71.7 100.0	20 14 1 19 54	TEMP1 37.0 25.9 1.9 35.2 100.0	9 10 1 6 26	TEMP2 34.6 38.5 3.8 23.1 100.0	7 5 0 4 16	YEMP3 43.8 31.3 0.0 25.0 100.0
	OW UNIT	CCOLING		•										٠
ALL ROCMS SELECTED ROOMS NO RESPONSE TOTAL	OR 32 40 7 79	1GINAL 40.5 50.6 8.9 100.0	18 12 3 33	ACO1 54.5 36.4 9.1 100.0	7 6 2 15	ADD2 46.7 40.0 13.3 100.0	2 3 0 5	ADD3 40.0 60.0 0.0 100.0	11 1 3 15	TEMP1 73.3 6.7 20.0 100.0	10 0 1 11	TEMP2 90.9 0.0 9.1 100.0	4 1 0 5	TEMP3 80.0 20.0 0.0 100.0
LIGHTING	ECUIPME	NT												
INCANDESCENT FLUORESCENT BOTH OTHER NO RESPONSE TOTAL	OR 115 177 3 15 2	1GINAL 37.0 56.9 1.0 4.8 0.6 100.0	55 102 2 3 2 164	ACD1 33.5 62.2 122 1.8 1.2 100.0	26 79 1 3 7 115	ADD2 22.6 68.7 0.9 2.6 6.1 100.0	13° 28 0 0 5	ADD3 28.3 60.9 0.0 0.0 10.9	5 45 0 1 3 54	76MP1 9.3 03.3 0.0 1.9 5.6 100.0	1 25 0 0 0 26	TEMP2 3.8 96.2 0.0 0.0 0.0	1 14 0 1 0 16	6.3 87.5 0.0 6.3 0.0 100.0



### NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN MIDDLE TENNESSEE USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE	
WATER UTILITY	268	36.2	***********
PUMP ON PROPERTY	39	12.5	*****
OTMER (WELLS, ETC.)	4	1.3	ļ
NO RESPONSE	0	0.0	1
TOTAL	311	100.0	
			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

NUMBER AND PERCENTAGE OF PRINCIPALS OF ELEMENTARY SCHOOLS IN MIDDLE TENNESSEE EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCE	162	52.1	*******
CGNSTRUCTION	118	37.9	*************
BOTH	8	2.6	*
NEITHER (INCLUDING NC RESPONSE)	23	7.4	***
TOTAL	311	100.0	表现现代的 (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			- 10% 20% 30% 40% 50% 60% 70% B0% 90% 100%

PLANT PROFILES: ELEMENTARY SCHOOLS IN MIDDLE TENNESSEE

CRITERION	A	DEQUATE	SUB:	STANDARD
	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE
1. ENROLLMENT/CAPACITY RATIO <= 1	219	72.0	85	28.0
2. MEETS NATIONAL SCHOOL SIZE STANDARDS	93	30.3	214	69.7
3. MEETS NATIONAL SITE SIZE STANDARDS	49	16.6	247	83.4
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	203	67.4	98	32.6
5. NG TEMPORARY STRUCTURES	241	77.5	- 70	22.5
6. NO BASEMENT USED FOR INSTRUCTION	245	78.8	66	21.2
7. NO BUILDING OF WOOD EXCLUSIVELY	292	93.9	19	6.1
8. CENTRAL HEATING IN ORIGINAL BUILDING	271	87.1	40	12.9
9. GENTRAL AIR OR ALL WINDCH UNITS	56	18.0	181	58.2
10. COMPLETE FLUORESCENT LIGHTING	160	51.4	97	31.2
11. USE OF WATER UTILITY	268	86.2	43	. 13.8
TETS 7 OF 11 OF ABOVE CRITERIA	175	56.3	11	3.5

#### MIDDLE SCHOOLS IN MIDDLE TENNESSEE

52 RESPONDENTS

NUMBER AND PERCENTAGE OF MIDDLE SCHOOLS IN MIDDLE TENNESSEE LSING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROL	LMENT/CAPACITY			
	RATIO	NUMBER	PERCENTAGE	
ABCVE	0.0- 0.5	Ž	3.8	审集
ABCVE	0.5- 0.8	8	15.4	*****
AHOVE	0.8- 1.0	21	40.4	************
AHCVE	1.0- 1.5	21	40.4	*************
ARCVE	1.5- 2.0	Ó	0.0	1
ABGVE	2.0-13.0	٥	0.0	1
	TOTAL	52	100.0	自己的 经现在的 电电子 医电子性 医电子性 医电子性 医电子性 医电子性 医甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基
				10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
SCHO	CLS THAT EXCEEN	CAPACITY:	21	40.41

NUMBER AND PERCENTAGE OF MIDDLE SCHOOLS IN MIDDLE TENNESSEE HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES	NUMBER	PERCENTAGE	
O= LESS THAN 1	0	0.0	
1- LESS THAN 5	3	5.8	***
5- LESS THAN 10	18	34.6	*********
10- LESS THAN 20	- 14	26.9	<b>在本业业业实在市</b> 集中市
20- LESS THAN 30	. 6	11.5	****
30- LESS THAN 50	19	10.2	*****
50- LESS THAN 100	1	1.9	<b> </b> *
TOTAL	52	100.0	
			101 201 301 401 501 601 707 801 901 1001

MEDIAN SCHOOL SITE SIZE IS 10 ACRES

NUMBER AND PERCENTAGE OF MIDDLE SCHOOLS IN MIDDLE TENNESSEE MEETING SITE SIZE REQUIREMENTS: 11 21.2%

### NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS IN MIDDLE TENNESSEE OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	OR	IGINAL		ACD1		1002		ADD3		TEMP1		TEMP2		TEMP3
60 OR OVER	3	5.8	Ó	0.0	0	0.0	Ò	0.0	0	0.0	Ó	0.0	0	0.0
40- LESS THAN 60	10	19.2	0	0.0	1	5.9	Q	0.0	0	0.0	Q	0.0	Q	0.0
20- LESS THAN 40	10	19.2	7	31.8	2	11.8	ļ	14.3	0	0.0	0	0.0	0	0.0
LESS THAN 20	29	55.8	15	68.2	14	82.4	6	85.7	13	100.0	6	100.0	1	100.0
TOTAL	52	100.0	22	100.0	17	100.0	7	100.0	13	100.0	6	100.0	1	100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS. IN MIDDLE TENNESSEE CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	OR	IGINAL		ADD1		A003		ADD3	•	TEMPL		TEMPZ		TEMP3
AFTER 1840 - 1870	Ò	0.0	Ō	0.0	Ú	0.0	0	0.0	Q	0.0	0	0.0	0	0.0
AFTER 1870 - 1880	1	1.9	0	0.0	0	0,0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1880 - 1890	1	1.9	0	0.0	0	0.0	0	0.0	. 0	0.0	0	0.0	0	0.0
AFTER 1890 - 1900	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0
AFTER 1900 - 1910	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1910 - 1920	1	1.9	0	0.0	L	5.9	0	0.0	0	0.0	. 0	0.0	0	0.0
AFTER 1920 - 1930	9	17.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1930 - 1940	5	9.6	3	13.6	, 0	0.0	1	14.3	0	0.0	0	0.0	Ō	0.0
AFTER 1940 - 1950	4	7.7	4	18.2	1	5.9	0	0.0	0	0.0	. 0	0.0	0	0.0
AFTER 1950 - 1960	7	13.5	8	36.4	8	47.1	1	14.3	1	7.7	1	16.7	0	0.0
AFTER 1960 - 1970	20	38.5	7	31.8	7	41.2	5	71.4	7	53.8	4	66.7	0	0.0
AFTER 1970 - 1973	4	7.7	0	0.0	0	0.0	0	0.0	5	38.5	1	16.7	1	100.0
TOTAL	52	100.0	22	100.0	17	100.0	7	100.0	13	100.0	6	100.0	1	100.0

	DRIGINAL	ADD1	ADDZ	A003	TEMPL	TEMP2	TEMP3
OLDEST STRUCTURE	1875	1939	1915	1940	1956	1960	1971
MEAN YEAR OF CONSTRUCTION	1949	1954	1957	1959	1968	1967	1971

NUMBER AND PERCENTAGE OF MIDDLE SCHOOLS IN MIDDLE TENNESSEE HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	OOA	ITIONS	TEMPORARI'E				
0	27	51.9	38	73.1			
1	9	17.3	9	17.3			
2	11	21.2	4	7.7			
3	 5	9.6	1	1.9			
TOTAL	52	100.0	52	100.0			

NUMBER AND PERCENTAGE OF MIDDLE SCHOOLS IN MIDDLE TENNESSEE CCCURRING IN SPECIFIED SCHOOL ENROLLMENT CATEGORIES

ENROLLMENT	NUMBER PERCENTAGE	
O- LESS THAN 350	3 5.8	***
350- LESS THAN 700	22 , 42.3	**********
700- LESS THAN 9999	27 51.9	***********
. 🕓 OTAL	52 , 100.0	
ERIC		101 201 301 401 501 601 701 801 901 1001

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NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS IN MIDDLE TENNESSEE UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

ORIGINAL		ADD1		ADD2		ADD3		TEMP1		TEMP2	TE	MP3
15 28.8	5	22.7	4		2	28.6	0	0.0	0	0.0	0 '	0.0

SCHOOLS USING BASEMENT OF SOME STRUCTURE FOR INSTRUCTION:

17 32.7%

NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS IN MIDDLE TENNESSEE HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES 1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 22 20` 10 0 52	IGINAL 42.3 38.5 19.2 0.0 100.0	9 11 2 0 22	ADD1 40.9 50.0 9.1 0.0 100.0	9 5 3 0 17	ADD2 52.9 29.4 17.6 0.0 100.0	3 4 0 0 · 7	ADD3 42.9 57.1 0.0 0.0	12 1 0 0 13	TEMP1 92.3 7.7 0.0 0.0 100.0	5 1 0 0 6	TEMP2 83.3 16.7 0.0 0.0 100.0	1 0 0 0	TEMP3 100.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	3	5.8	0	0.0 Y 0.0	l o	5.9 0.0	0	0.0	0	0.0	0 <b>0</b>	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS IN MIDDLE TENNESSEE USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ORIGINAL	ADI	Di	ADD 2	ADD3	TEMP1	TFMP2	TEMP3
BRICK	38 73.1	20 90.		94.1	7 100.0	2 15.4	1 16.7	0.0
WGOD	0.0	0 0.	0 0	0.0	0.0	1 7.7	0.0	0 0.0
METAL	0 0.0	0 0	.0 0	0.0	0 0.0	9 69.2	3 50.0	1 100.0
STONE	1 1.9	0 0.	.0 0	0.0	0 0.0	0 0.0	0 0.0	0.0
CCNCRETE	0 0.0	0 0.	.0 0	0.0	0 0.0	0 0.0	0 0.0	. 0 0.0
OTHER	0 0.0	0 0.	.0 0	0.0	0 0.0	0 0.0	0.0	0 0.0
BRICK, WOOD	0 0.0	0 0.	.0 0	0,0	0.0	0 0.0	0.0	0 0.0
BRICK, METAL	1 1.9	1 4	.5 . 0	0.0	0 0.0	0 0.0	0.0	0.0
BRICK. STONE	1 1.9	0 0.	0 0	0.0	0 0.0	0 0.0	0.0	0.0
BRICK, CONCRETE	7 13.5	1 4.	.5 0	0.0	0.0	0 0.0	0 0.0	0.0
BRICK, OTHER	0.0	0 0.	.0 . 0	0.0	0 0.0	0 0.0	0.0	0.0
BRICK, WOOD, METAL	0 0.0	0 0,	.0 0	0.0	0.0	0 0.0	0.0	0 0.0
BRICK, WOCD, CONCRETE	0 0.0	0 0.	.0 0	0.0	0 0.0	0 0.0	0.0	0 0.0
BRICK, METAL, CONCRETE	3 5.9	0 0.	.0 0	0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, STONE, CONCRETE	0 0.0	0 0.	.0 0	0.0	0.0	0 0.0	0 0.0:	0.0
BRICK, WOOD, METAL, CONCRETE	0 0.0	0 0	.0 0	0.0	0.0	0 0.0	0.0	0 0.0
ALL OTHER CUMBINATIONS	1 1.9	0 0,	.0 0	0.0	0.0	0 0.0	0 0.0	0 0.0
NC RESPONSE	0.0	0 0.	0 1	5.9	0 0.0	1 7.7	2 33.3	0.0
TOTAL	52 100.0	22 100.	0 17	100.0	7 100.0	13 100.0	6 100.0	1 100.0



# NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS IN MIDDLE TENNESSEE USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQ	ULPHEK	Ī								•				
JUST CENTRAL JUST SPACE	OR 49 2	IGINAL 94.2 3.8	19 2	ADD1 86.4 9.1	15	ADD2 88.2 5.9	7 0 0	ADD3 100.0 0.0 0.0	2 10 0	TEMP1 15.4 76.9 0.0	0 4 0	TEMP2 0.0 66.7 0.0	. 0 1 0	TEMP3 0.0 100.0 0.0
CENTRAL & SPACE NO RESPONSE TOTAL	1 0 52	1.9 0.0 100.0	0 1 22	0.0 4.5 100.0	0 1 17	0.0 5.9 100.0	0	0.0	1 13	7.7 100.0	2	33.3 100.0	0	100.0
COOLING EQ	UIPMEN	Ī												
	OR.	IGINAL		ADDI		AOD2		ADD3		TEMP1		TEMP2	_	TEMP3
JUST CENTRAL	24	46.2	3	13.6	2	11.8	0	0.0	1	7.7	0	0.0 33.3	0	0.0 100.0
JUST WINDOW UNIT	4	7.7	2	9.1	1 0	5•9 0•0	1	14.3 0.0	10 0	76.9 0.0	2 0	0.0	Ó	0.0
CENTRAL & WINDOW	0	0.0 46.2	0 17	0.0 77.3	14	82.4	6	85.7	2	15.4	4	66.7	Q	0.0
NO MECHANICAL TOTAL	24 52	100.0	22	100.0	17	100.0	7	100.0	13	100.0	6	100.0	1	100.0
WINDO	דומט או	COOLING						•						
	QŘ	IGINAL		ADD1		ADD2		ADD3	_	TEMPL		TEMP2		TEMP3
ALL ROOMS	1	25.0	1	50.0	0	0.0	0	0.0	3 2	30.0 20.0	0 1	0.0 50.0	0	0.0 0.0
SELECTED ROOMS	3	75.0	1	50.0	1	100.0 0.0	0 T	100.0 0.0	5	50.0	1	50.0	ì	100.0
NO RESPONSE Total	4	794•0 3•0	2	0.0 100.0	Ī	100.0	1	100.0		100.0	2	100.0	1	100.0
LIGHTING E	CUIPME	NT												
	άn	IG!NAL		ADD1	:	ADD2		, ADD3		TEMPL		TEMP2		TEMP3
INCANDESCENT		15.4	7	31.8	5	29.4	1	14.3	1	7.7	1	16.7	Ö	0.0
FLUDRESCENT	42	80.8	14	63.6	11	64.7	, 6	85.7	11	84.6 0.0	. 3	50.0 0.0	1	100.0
RŌTH	1	1.9	1 0	4.5 0.0	0	0.0 0.0	0	0.0 0.0	0	0.0	0	0.0	0	0.0
CTHER	1	1.9	0	0.0	1	5.9	0	0.0	ì	1.7	2	33.3	0	0.0
NO RESPONSE TOTAL	52	100.0	22	100.0	17	100.0	7	100.0	13	100.0	6	100.0	1	100.0

	NUMBER	PERCENTAGE	
WATER UTILITY	52	100.0	<b>***********************************</b>
PUMP ON PROPERTY	0	0.0	
CTHER (WELLS, ETC.)	0	0.0	
NO RESPONSE	0	0.0	
TOT 4L	52	100.0	************************************
		•	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

NUMBER AND PERCENTAGE OF PRINCIPALS OF MIDDLE SCHOOLS IN MIDDLE TENNESSEE EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCE	30	57.7	*****************
CCNSTRUCTION	18	34.6	**********
BOTH ,	1	1.9	<b>]</b> #
NEITHER (INCLUDING NO RESPONSE)	3	5.8	<b>卒車章</b>
TOTAL	52	100.0	
		*	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

PLANT PROFILES: MIDDLE SCHOOLS IN MIDDLE TENNESSEE

	CRITERION	A( Number.	DEQUATE PERCENTAGE	SUBSTANDARD Number percentage		
		NUNDEA.	L CU O FILLW OF	HAUBEN	FERGENIAUC	
l.	ENHOLLMENT/CAPACITY RATIO <= 1	31	59.6	21	40.4	
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	23	44.2	29	55.8	
3.	MEETS NATIONAL SITE SIZE STANDARDS	11	21.2	. 41	78.8	
4.	ORIGINAL BUILDING 30 YRS OLD OR LESS	33	63.5	19	36.5	
5.	NG TEMPORARY STRUCTURES	38	73.1	14	26.9	
6.	NG BASEMENT USED FOR INSTRUCTION	35	67.3	17	32.7	
7.	NO BUILDING OF WOOD EXCLUSIVELY	51	98.1	, 1	1.9	
8.	CENTRAL HEATING IN ORIGINAL BUILDING	50	96.2	2	3.8	
9.	CENTRAL AIR OR ALL WINDOW UNITS	25	48.1	22	42.3	
10.	CCMPLETE FLUORESCENT LIGHTING	40	76.9	7	13.5	
11.	USE OF WATER UTILITY	52	100.0	0	0.0	
12.	MEETS 7 OF 11 OF ABOVE CRITERIA	35	67.3	, 2	3.8	

CATA DISPLAY 3.7

SECONDARY SCHOOLS IN MIDDLE TENNESSEE

77 RESPONDENTS

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN MIDDLE TENNESSEE USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROL	LHENT/CAPACITY			
	RATIO	NUMBER	PERCENTAGE	
ABOVE	0.0- 0.5	1	1.3	1
ABCVÉ	0.5- 0.8	11	14.3	*****
ABOVE	0.8- 1.0	29	37.7	**********
ABOVE	1.0- 1.5	27	35.1	*********
ABCVE	1.5- 2.0	8	10.4	****
ABOVE	2.0-13.0	1	1.3	1
	TOTAL	77	100.0	表내면도 구석적 작용적으로 모든보석도 보다 구도본 부부 전문을 통해 부모든 부분 등로 작은 및 작용으로 등로 등을 받는 수
				10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
SCHO	DLS THAT EXCEED	CAPACITY:	36	46.8%

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN MIDDLE TENNESSEE HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES	NUMBER	PERCENTAGE	
O- LESS THAN I	0	0.0	i
1- LESS THAN 5	4	5.3	1**
5- LESS THAN 10	12	15.8	*******
10- LESS THAN 20	21	27.6	***********
20- LESS THAN 30	13	17.1	*****
30- LESS THAN 50	15	19.7	******
50- LESS THAN 100	11	14.5	*****
TOTAL'	76	100.0	
	•		107 207 307 407 507 607 707 807 907 1007

MEDIAN SCHOOL SITE SIZE IS 20 ACRES

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN MIDDLE TENNESSEE MEETING SITE SIZE REQUIREMENTS: 13 17.1%



NUMBER AND PERCENTAGE OF BUILDINGS OF SECONDARY SCHOOLS IN HIDDLE TENNESSEE CCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	ŌŔ	IGINAL		ACO1		ADDZ		ADD3		TEMPL		TEMP2		TEMP3
60 OR OVER	2	2.6	Ō	0.0	0	0.0	0	0.0	Õ	0.0	0	0.0	0	0.0
40- LESS THAN 60	7	9.2	Ò	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	0	0.0
20- LESS THAN 40	25	32.9	11	24.4	0	0,0	1	6.7	0	0.0	1	12.5	Q	0.0
LESS THAN 20	42	55.3	34	75.6	27	100.0	14	93.3	16	100.0	7	87.5	2	100.0
TOTAL	76	100.0	45	100.0	27	100.0	15	100.0	16	100.0	8	100.0	Ž	100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF SECONDARY SCHOOLS IN MIDDLE TENNESSEE CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	OR	IGINAL		ACD1		A002		ADD3		TEMP1		TEMP2		TEMP3
AFTER 1840 - 1870	0	0.0	0	0.0	0	0,0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1870 - 1880	0	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	Ō	0.0	0	0.0
AFTER 1880 - 1890	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1890 - 1900	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1900 - 1910	2 `	2.6	Ò	0.0	0	0.0	Ō	0.0	0	0.0	Ō	0.0	0	0.0
AFTER 1910 - 1920	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	Ô	0.0	0	0.0
AFTER 1920 - 1930	3	3.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1930 - 1940	12	15.8	2	4.4	0	0.0	. 0	0.0	Ů,	0.0	0	0.0	0	0.0
AFTER 1940 - 1950	11	14.5	4	8.9	. 0	0.0	1	6.7	0	0.0	1	12.5	0	0.0
AFTER 1950 - 1960	24	31.6	16	35.6	7	25.9	2	13,3	Õ	O.O	0	0.0	0	0.0
AFTER 1960 - 1970	19	25.0	20	44.4	19	70.4	10	66.7	8	50.0	3	37.5	1	50.0
AFTER 1970 - 1973	5	6.6	3	6.7	1	3.7	2	13.3	8	50.0	4	50.0	1	50.0
TOTAL	76	100.0	45	100.0	27	100.0	15	100.0	16	100.0	8	100.0	2	100.0

	ORIGINAL	ADD1	ADD2	ADD3	TEMP1	TEMP2	TEMP3
OLDEST STRUCTURE	1902	1937	1954	1950	1962	1945	1967
MEAN YEAR OF CONSTRUCTION	1952	1959	1963	1965	1969	1966	1969

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN MIDDLE TENNESSEE HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADD	ITIONS	TEMPORARIES				
0	30	39.0	59	76.6			
1	21	27.3	12	15.6			
2	12	15.6	4	5.2			
3	14	18.2	2	2.6			
TOTAL	77	100.0	77	100.0			

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN MIDDLE TENNESSEE CCCURRING IN SPECIFIED SCHOOL ENROLLMENT CATEGORIES

ENROLLMENT	NUMBÉR	PERCENTAGE	
O- LESS THAN 350	5	6.5	***
350- LESS THAN 700	31	40.3	**************
700- LESS THAN 9999	41	53.2	****************
TOTAL :	77	100.0	주변 병원 모시 때 전 전급 수 이 전문 의 전문 한 경기를 해 수 한 교 한 문 학원 등 전 등 한 경기를 하게 하수 한 번째 수 없고 된 때 문 이 문 표 된 것 같아.
•		:	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%



116

TEMP2 TEMP3 TEMP1 ADD2 ADD3 ORIGINAL ADDI 0.0 0.0 0.0 0.0 22 28.6 6 13.3 3 11.1

SCHOOLS USING BASEMENT OF SOME STRUCTURE FOR INSTRUCTION:

23 29.98

NUMBER AND PERCENTAGE OF BUILDINGS OF SECONDARY SCHOOLS IN MIDDLE TENNESSEE HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES	OF	IGINAL		ACOL		A002		ADD3		TEMPL		T EMP2		TEMP3
1 STORY	48	62.3	31	68.9	15	59.3	9	60.0	15	93.8	8	100.0	2	100.0
2 STORIES	26	33.8	13	28.9	11	40.7	5	33.3	1	6.3	0	0.0	0	0.0
3 STORIES	3	3.9	1	2.2	0	0.0	1	6.7	0	0.0	0	0.0	0	0.0
4 STORIES	0	0.0	Ō	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL	17	100.0	45	100.0	27	100.0	15	100.0	16	100.0	8	100.C	2	100.0
TWO STORIES OR MORE	. dilfi Y	accnoe	1620											
IND STOKIES OR HOW	3	3.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
ALL WOOD STRUCTURES	OF MOR	E THAN	ONE STOR	Y										
	0	0.0	1	2.2	ī	3.7	1	6.7	Ó	0.0	0	0.0	. 0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF SECONDARY SCHOOLS IN MIDDLE TENNESSEE USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	OR	IGINAL		4001		ADD2		ADD3		TEMPI		TEMP2		TEMP3	
BRICK	66		43	95.6	24	88.9	13	86.7	Ź	12.5	1	12.5	Ô	0.0	
W000	0	0.0	1	2.2	1	3, 7	į	6.7	2	12.5	2	25.0	1	50.0	
METAL	0	0.0	0	0.0	Ô	0.0	٥	0.0	9	56.3	5	62.5	Ļ	50.0	
STONE	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
CONCRET	1	1.3	0	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
CTHER	ō	0.0	0		1	3.7	1	6.7	1	6.3	0	0.0	0	0.0	
BRICK. WOOD	ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
BRICK, METAL	4	5.2	0		1	3.7	0	0.0	0	0.0	0	0.0	0	0.0	
BRICK, STONE	1	1.3	0	0.0	0		0	0.0	0	0.0	0	0.0	0	0.0	
BRICK. CONCHETE	Ī	1.3	1	2.2	0		0	0.0	0	0.0	0	0.0	0	0.0	
BRICK. OTHER	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
BRICK, WOOD, METAL	ō	0.0	0		0		0		Ô	0.0	Ō	0.0	Ô	0.0	
BRICK, WOOD, CONCRETE	Ŏ	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	0	0.0	0	0.0	
BRICK, METAL, CONCRETE	2	2.6	Q	0.0	0	0.0	0	0.0	0	0.0	Q	0.0	Q	0.0	ļ
BRICK, STONE, CONCRETE	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	*
BRICK, WOOD, METAL, CONCRETE	ī	1,3	0	0.0	0		0	0.0	0	0.0	0	0.0	Ō	0.0	
ALL OTHER COMBINATIONS	ī	1.3	Ō	0.0	, 0	0.0	0	0.0	Ź	12.5	0	0.0	0	0.0	
NO RESPONSE	ō	0.0	0	0.0	0		0		0	0.0	0	0.0	Ō	0.0	
TOTAL	77	100.0	45	100.0	27	100.0	15	100.0	16	100.0	8	100.0	2	100.0	

## NUMBER AND PERCENTAGE OF BUILDINGS OF SECONDARY SCHOOLS IN MIDDLE TENNESSEE USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQ	UIPMEN	IT								•				
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	OF 67 4 6 0 77	87.0 5.2 7.8 0.0 100.0	36 5 2 2 45	AD01 80.0 11.1 4.4 4.4 100.0	22 3 2 0 27	A002 81.5 11.1 7.4 0.0 100.0	11 3 1 0 15	ADD3 73.3 20.0 6.7 0.0 100.0	7 9 0 0 16	TEMP1 43.8 56.3 0.0 0.0 100.0	1 6 0 1 8	TEMP2 12.5 75.0 0.0 12.5 100.0	1 1 0 0 2	TEMP3 50.0 50.0 0.0 0.0
COOLING EQ	UIPHEN	IT ·												
JUST CENTRAL JUST WINDOW UNIT CENTRAL & WINDOW NO MECHANICAL TOTAL	OR 20 18 1 38 77	26.0 23.4 1.3 49.4 100.0	11 7 0 27 45	ADD1 24.4 15.6 0.0 60.0 100.0	. 4 6 0 17 27	ADO2 14.8 22.2 0.0 63.0 100.0	5 4 0 6 15	AD03 33.3 26.7 0.0 40.0	7 3 0 6 16	TEMP1 43.8 18.8 0.0 37.5 100.0	2 2 0 4 8	TEMP2 25.0 25.0 0.0 50.0 100.0	0 0 0 2 2	TEMP3 0.0 0.0 0.0 100.0
MINDO	א טאזד	COOLING												
ALL ROCMS SELECTED ROOMS NO RESPONSE TOTAL	OR 6 13 0 19	31.6 68.4 0.0 100.0	2 5 0 7	ACD1 28.6 71.4 0.0 100.0	1 5 0 6	ADD2 16.7 83.3 0.0 100.0	2 2 0 4	ADD3 50.0 50.0 0.0 100.0	2 1 0 3	TEMP1 66.7 33.3 0.0 100.0	2 0 0 2	TEMP2 100.0 0.0 0.0 100.0	0 0 0	TEMP3 0.0 0.0 0.0 100.0
LIGHTING E	CUIPME	ΝŤ												
INCANDESCENT FLUCRESCENT BOTH GTHER NO RESPONSE TUTAL	OR 18 55 2 2 0 77	23.4 71.4 2.6 2.6 0.0 100.0	11 33 0 0 1 45	A091 24.4 73.3 0.0 0.0 2.2 100.0	4 23 0 0 0 27	ADD2 14.8 85.2 0.0 0.0 0.0	4 11 0 0 0	ADD3 26.7 73.3 0.0 0.0 0.0	1 15 0 0 0	TEMP1 6.3 93.8 0.0 0.0 0.0	1 7 0 0 0	TEMP2 12.5 87.5 0.0 0.0 0.0 100.0	0 2 0 0 0	TEMP3 0.0 100.0 0.0 0.0 0.0 100.0

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN MIDDLE TENNESSEE USING SPECIFIED SOURCES OF WATER SUPPLY.

4=1-	NUMBER 73	PERCENTAGE 94.8	******************
WATER UTILITY PUMP ON PROPERTY CTHER (WELLS, ETC.) NO RESPONSE	4 0 0	5.2 0.0 0.0	<b>**</b>
TOTAL	77	100.0	101 201 301 401 501 601 701 801 901 1001

NUMBER AND PERCENTAGE OF PRINCIPALS OF SECONDARY SCHOOLS IN MIDDLE TENNESSEE EXPRESSING SPECIFIED FACILITY NEEDS

MAINTENANCE CONSTRUCTION BOTH NEITHER (INCLUDING NO RESPONSE)	NUMBER 30 43 1 .3		**************************************
TOTAL '	11	10010	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

PLANT PROFILES: SECONDARY SCHOOLS IN MIDDLE TENNESSEE

CRITERION	A Number	DEQUATE PERCENTAGE	SUBS Number	TANDARD PERCENTAGE	
1. ENROLLMENT/CAPACITY RATIO <= 1	41	53.2	36	46.8	
2. MEETS NATIONAL SCHOOL SIZE STANDARDS	50	64.9	27	35.1	
3. MEETS NATIONAL SITE SIZE STANDARDS	13	17.1	63	82.9	
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	57	75.0	19	` 25.0	
S. NC TEMPORARY STRUCTURES	59	76.6	18	23.4	
6. NO BASEMENT USED FOR INSTRUCTION	54	70.1	23	29.9	
7. NO BUILDING OF WOOD EXCLUSIVELY	73	94.8	4	5.2	
8. CENTRAL HEATING IN ORIGINAL BUILDING	73	94.8	4	5.2	
9. CENTRAL AIR OR ALL WINDOW UNITS	24	31.2	30	39.0	
10. CCMPLETE FLUORESCENT LIGHTING	54	70.1	12	15.6	
11. USE OF WATER UTILITY	73	94.8	: 4	5.2	
12. MEETS 7 OF 11 OF ABOVE CRITERIA	53	68.8	. 2	2.6	

### COMBINED SCHOOLS IN MIDDLE TENNESSEE

25 RESPONDENTS

NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN MIDDLE TENNESSEE USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROLLMENT/CAPACITY RATIO	Y Number	PERCENTAGE	
ABOVE 0.0- 0.5 ABOVE 0.5- 0.8 ABOVE 0.8- 1.0 ABOVE 1.0- 1.5 ABOVE 1.5- 2.0 ABOVE 2.0-13.0	1 3 12 8 0	4.2 12.5 50.0 33.3 0.0	**   ****   *************************
TOTAL	24	100.0	101 201 301 401 501 601 701 801 901 1001
SCHOOLS THAT EXCE	ED CAPACITY:	8	33.3%

NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN MIDDLE TENNESSEE HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES  O-LESS THAN 1  1-LESS THAN 5  5-LESS THAN 10  10-LESS THAN 20  20-LESS THAN 30  30-LESS THAN 50  50-LESS THAN 100  TOTAL	NUMBER 0 4 8 6 3 4 0 25	PERCENTAGE 0.0 16.0 32.0 24.0 12.0 16.0 0.0 100.0	**************************************
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MEDIAN SCHOOL SITE SIZE IS 10 ACRES .

NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN MIDDLE TENNESSEE MEETING SITE SIZE REQUIREMENTS: 2 8.0%

120

NUMBER AND PERCENTAGE OF BUILDINGS OF COMBINED SCHOOLS IN MIDDLE TENNESSEE CCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS) 60 OR OVER 40- LESS THAN 60 20- LESS THAN 40 LESS THAN 20 TOTAL	ORIGINAL 2 8.3 7 29.2 12 50.0 3 12.5 24 100.0	ADD1 0 0.0 0 0.0 10 50.0 10 50.0 20 100.0	ADD2 0 0.0 0 0.0 1 7.1 13 92.9 14 100.0	ADD3 0 0.0 0 0.0 0 0.0 8 100.0 8 100.0	TEMP1 0 0.0 0 0.0 0 0.0 3 100.0 3 100.0	TEMP2 0 0.0 0 0.0 0 0.0 2 100.0 2 100.0	TEMP3 0 0.0 0 0.0 0 0.0 1 100.0 1 100.0
--------------------------------------------------------------------------------	-----------------------------------------------	----------------------------------------------------------	--------------------------------------------------------	-------------------------------------------------------	--------------------------------------------------------	--------------------------------------------------------	--------------------------------------------------------

NUMBER AND PERCENTAGE OF BUILDINGS OF COMBINED SCHOOLS IN MIDDLE TENNESSEE CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	88	retuu.		ACD1		A002		ADD3		TEMPI		TEMP2		TEMP3
	ÜK	IGINAL	_				۸		0	0.0	0	0.0	Ô	0.0
AFTER 1840 - 1870	Ō	0.0	Q	0.0	0	0.0	0	0.0					- -	
	ñ	0.0	0	0.0	.0	0.0	0	0.0	0	0.0	Ò	0.0	Ų	0.0
AFTER 1870 - 1880	Ų				Ô	0.0	Ō	0.0	Ğ	0.0	0	0.0	0	0.0
AFTER 1880 - 1890	0	0.0	0	0.0	- :							0.0	. 0	0.0
AFTER 1890 - 1900	Ì	4.2	Ō	0.0	0	0.0	0	0.0	0	0.0	0			
	•		ō	0.0	0	0.0	0	0.0	0	0.0	Q	0.0	Q	0.0
AFTER 1900 - 1910	Ţ	4.2						0.0	ñ	0,0	0	0.0	Ō	0.0
AFTER 1910 - 1920	1	4.2	Q	0.0	0	0.0	0		Ų			_		-
AFTER 1920 - 1930	6	25.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
			1	5.0	0	0.0	0	0.0	Ò	0.0	Ō	0,0	0	0.0
AFTER 1930 - 1940	Þ	25.0	1				-		Ō	0.0	0	0.0	0	0.0
AFTER 1940 - 1950	4	16.7	5	<u>2</u> 5.0	1	7.1	0	0.0		-				
	3	12.5	7	35.0	7	50.0	Ó	0.0	0	0.0	0	0.0	Ü	0.0
AFTER 1950 - 1960	2				Ė	35.7	6	75.0	,	66.7	1	50.0	0	0.0
AFTER 1960 - 1970	Z	8.3	t	35.0	7				•		3	50.0	Í	100.0
AFTER 1970 - 1973	Õ	0.0	0	0.0	l	7.1	2	25.0	į	33,3	å			
	**		20	100.0	14	100.0	8	100.0	3	100.0	2	100.0	Ī	100.0
TOTAL	24	100.0	20	TAATA		* AA I A	-		-		_			

	ORIGINAL	ADDI	ADD2	A003 1963	TEMP1 1968	TEMP2 1969	TEMP3 1972
OLDEST STRUCTURE MEAN YEAR OF CONSTRUCTION	1900 1936	1940 1955	1948 1960	1967	1970	1970	1972

NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN MIDDLE TENNESSEE HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDITIONS	TEMPORARIES
0	4 16.0	21 84.0
i	6 24.0	2 '8.0
Ž	9 36.0	2 8.0
3	6 24.0	0 0.0
TOTAL	25 100.0	25 100.0

NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN MIDDLE TENNESSEE CCCURRING IN SPECIFIED SCHOOL ENROLLMENT CATEGORIES

ENROLLMENT	NUMBER	PERCENTAGE	
O- LESS THAN 350	8	32.0	*******
350- LESS THAN 700	15	60.0	***********
700- LESS THAN 9999	ž	8.0	(++++
	25	100.0	
RIC TOTAL	<b>#</b> *	*****	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

h

DRIGINAL 9 36.0	2	ADD1 10.0	3	ADD2 21.4	0	ADD3 0.0	0	TEMP1 0.0	1	TEMP2 50.0	0	TEMP3 0.0
9 36.0	2	10.0	,	21.7	Ų	444	*	***	•			

SCHOOLS USING BASEMENT OF SOME STRUCTURE FOR INSTRUCTION:

13 52.01

NUMBER AND PERCENTAGE OF BUILDINGS OF COMBINED SCHOOLS IN MIDDLE TENNESSEE HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	13 12 0 0	1GINAL 52.0 48.0 0.0 0.0	15 5 0 0 20	ADD1 75.0 25.0 0.0 0.0 100.0	10 4 0 0	ADD2 71.4 28.6 0.0 0.0 100.0	7 1 C 0 8	ADD3 87.5 12.5 0.0 0.0 100.0	3 0 0 0 3	TEMP1 100.0 0.0 0.0 0.0 100.0	0 0 0 2	TEMP2 100.0 0.0 0.0 0.0 100.0	1 0 0 0	TEMP3 100.0 0.0 0.0 0.0 100.0
TWO STORIES UR MORE	2	BEFORE 19 8.0 E THAN ON 0.0	20 0 IE STOR 0	0.0 Y 0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0. Ó 0. O

NUMBER AND PERCENTAGE OF BUILDINGS OF COMBINED SCHOOLS IN MIDDLE TENNESSEE USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ňěl	GINAL		ADD1		ADD2		ADD3		TEMP1		TEMP2		TEHP3
		76.0	15	75.0	11	78.6	7	87.5	Ó	0.0	Ó	0.0	Ō	0.0
BRICK	19		0	0.0	ō	0.0	ò	0.0	Õ	0.0	Ô	0.0	Ò	0.0
WCOD	0	0.0	-		ų į			0.0	,	66.7	Ō	0.0	Ō	0.0
METAL	0	0.0	0	0.0	į	7.1	, 0		ě.			0.0	Ŏ	0.0
STONE	1	4.0	0	0.0	0	0.0	0	0.0	Ų	0.0	0		_	
CGNCRETE	Ž	8.0	2	10.0	0	0.0	0	0.0	1	33.3	0	0.0	0	0.0
OTHER	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Ō	0.0	0	0.0	0	0.0	0	0.0	Õ	0.0	0	0.0	0	0.0
BRICK, WOOD	ň	0.0	ō	0.0	Ō	0.0	Û	0.0	Ô	0.0	0	0.0	0	0.0
BRICK, METAL	0	0.0	Ō.	_	Ō	0.0	0	0.0	Ó	0.0	0	0.0	0	0.0
BRICK, STONE	v			10.0	5	14.3	Õ	0.0	Ŏ	0.0	Ò	0.0	0	0.0
BRICK, CONCRETE	Ī	4.0	2	_	Ę.		Ŏ		Ŏ	0.0	Ŏ	0.0	Ō	0.0
BRICK, OTHER	Ó	0.0	0	0.0	0	0.0		0.0	_	_	Ö	0.0	0	0.0
BRICK, WOOD, METAL	0	0.0	Q	0.0	0	0.0	0	0.0	0	0.0	_		-	
BRICK, WOGD, CONCRETE	0	0.0	0	0.0	Õ	0.0	0	0.0	0	0.0	0	0.0	Q	0.0
BRICK, METAL, CONCRETE	1	4.0	0	0.0	Ó	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BRICK, STONE, CONCRETE	Ō	0.0	Õ	0.0	0	0.0	0	0.0	0	0.0	0	0.0	Q	0.0
	Õ	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0
BRICK, WOOD, METAL, CONCRETE			1	5.0	Ŏ	0.0	Ŏ	0.0	Ó	0.0	1	50.0	1	100.0
ALL OTHER COMBINATIONS	. 0	0.0	ı.				1	12.5	Ď	0.0	ī	50.0	Ō	0.0
NG RESPONSE	1	4.0	0	0.0	0	0.0			*			100.0	•	100.0
TOTAL	25	100.0	20	100.0	14	100.0	ä	100.0	9	100.0	4	100+A	4	TANEA

## NUMBER AND PERCENTAGE OF BUILDINGS OF COMBINED SCHOOLS IN MIDDLE TENNESSEE USING SPECIFIED TYPES OF HEATING. COOLING. AND LIGHTING EQUIPMENT

HEATING EQ	UIPMEN	T			ı					* .			•		
JUST CENTRAL JUST SPACE CENTRAL & SPACE	OR 19 5 0	IGINAL 76.0 20.0 0.0	15 4 0	ADD1 75.0 20.0 0.0	10 4 0	ADD2 71.4 28.6 0.0	5 2 0	ADD3 62.5 25.0 0.0 12.5	1 2 0 0	TEMP1 33.3 66.7 0.0 0.0	0 1 0	TEMP2 0.0 50.0 0.0 50.0	0 1 0 0	TEMP3 0.0 100.0 0.0	
NO RESPONSE Total	1 25	4.0 100.0	50	5.0 100.0	0 14	0.0 100.0	8	100.0	3	100.0	Ž	100.0	1	100.0	Ī
COOLING EG	UIPHEN	iT													
	DR	IGINAL		ADD1		AODZ		A003		TEMP1		TEMP2	_	TEMP3	
JUST CENTRAL	0	0.0	1	5.0	. 0	0.0	2	25.0	Ō	0.0	1	50.0	I	100.0	
JUST WINDOW UNIT	4	16.0	3	15.0	3	21.4	Ō	0.0	1	33.3 0.0	0	0.0 0.0	0	0.0	
CENTRAL & WINDOW	0	0.0	0	0.0	.0	0.0	0	0.0 75.0	0 2	66.7	1	50.0	Ö	0.0	
NO MECHANICAL Total	21 25	94.0 100.0	16 20	80.0 100.0	11 14	78.6 100.0	6 8	100.0	3	100.0	2	100.0	ì	100.0	
WINDO	TINU WC	COOLING						1							
ŧ	OR	RIGINAL		ADD1		ADDZ		AOD3		TEMPL		TEMP2	_	TEHP3	
ALL ROCMS	2	50.0	1	33,3	1	33.3	0	0.0	Ō	0.0	0	0.0	0	0.0	
SELECTED ROOMS	2	50.0	2	66.7	2	66.7	0	0.0	0	0.0 100.0	0	0.0 0.0	0	0.0 0.0	
NO RESPONSE	Ò	0.0	0	0.0	0	0.0	0	0.0 100.0	1	100.0	0	100.0	0	100.0	
TOTAL	4	100.0	3	100.0	3	100.0	U	100•0	•	14414	•	*****	*	*****	
LIGHTING E	ECUIPME	NT				·				ı			÷		
	66	1771141		4001		ADDZ		ADD3		TEMP1		TEMP2		TEMP3	
INCANDE SCENT	12	RIGINAL 48.0	9	45.0	5	35.7	C	0.0	0	0.0	0	0.0	0	0.0	
FLUGRESCENT	9	36.0	10	50.0	9	64.3	7	87.5	3	100.0	. 1	50.0	l	100.0	
BOTH	ĺ	4.0	ì	5.0	0	0.0	. 0	0.0	0	0.0	0	0.0	0	0.0	
OTHER	Ş	8.0	0	0.0	0	0.0	0	0.0	0	0.0 0.0	0	0.0 50.0	0	0.0	
NO RESPONSE	1	4.0	0	0.0	0	0.0	1	12.5 100.0	3	100.0	2	100.0	i	100.0	
TOTAL	25	100.0	20	100.0	14	100.0	ø	T AN≜ A	2	TASIA	£	*****	•		123

NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN MIDDLE TENNESSEE USING SPECIFIED SOURCES OF WATER SUPPLY

WATER UTILITY	NUMBER PERC 20 8	CENTAGE 80.0     ################################
PUMP ON PROPERTY CTHER (WELLS, ETC.)		20-0   **********************************
NO RESPUNSE TOTAL	_	0.0 00.0 102 202 302 402 502 602 702 802 902 1002

NUMBER AND PERCENTAGE OF PRINCIPALS OF COMBINED SCHOOLS IN MIDDLE TENNESSEE EXPRESSING SPECIFIED FACILITY NEEDS

	NUNBER	PERCENTAGE	
MAINTENANCE	12	48.0	************
CONSTRUCTION	10	40.0	****
BCTH	2	<b>8</b> • <b>0</b>	****
NEITHER (INCLUDING NO RESPONSE)	1	4+0	**
TOTAL	25	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

PLANT PROFILES: COMBINED SCHOOLS IN MIDDLE TENNESSEE

	CRITERION	NUMBER	DEQUATE PERCENTAGE	NUM BER	TANDARD PERCENTAGE
1.	ENROLLMENT/CAPACITY RATIO <= 1	16	66.7	8	33.3
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	20	80,0	5	50.0
3.	MEETS NATIONAL SITE SIZE STANDARDS	5	8.0	23	92.0
4.	ORIGINAL BUILDING 30 YRS OLD OR LESS	8	33,3	16	66.7
5.	NC TEMPORARY STRUCTURES	21	84.0	4	16.0
6.	NO BASEMENT USED FOR INSTRUCTION	12	48.0	13	52.0
7.	NO BUILDING OF WOOD EXCLUSIVELY	25	100.0	, 0	0.0
8.	CENTRAL HEATING IN ORIGINAL BUILDING	19	76.0	6	24.0
9,	CENTRAL AIR OR ALL WINDOW UNITS	2	8.0	17	68.0
10.	COMPLETE FLUORESCENT LIGHTING	8	32.0	7	28.0
11.	USE OF WATER UTILITY	20	80.0	Ţ	20•0
12.	MEETS 7 OF 11 OF ABOVE CRITERIA	12	48.0	1	4.0

#### ELEMENTARY SCHOOLS IN EAST TENNESSEE

#### 453 RESPONDENTS

## NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN EAST TENNESSEE LSING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

EKROL	LKENT/CAPACITY			<b>'</b>
-0 36	RATIO	NUMBER	PERCENTAGE	
ABOVE	0.0- 0.5	25	5.6	***
ABCVE	0.5- 0.8	121	26.9	
ABOVE	0.8-1.0	202	45.0	****************
ABOVE	1.0- 1.5	96	21.4	*****
ABCVE	1.5- 2.0	4	0.9	
ABOVE	2.0-13.0	1	0.2	
	TOTAL	449	100.0	107 207 307 407 507 607 707 807 907 100
SCHO	CLS THAT EXCEED	CAPACITY	101	22.5%

NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN EAST TENNESSEE ... HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES	NUMBER	PERCENTAGE	
O- LESS THAN 1	Õ	0.0	
1- LESS THAN 5	138	31.4 '	********
5- LESS THAN 10	144	32.8	******
10- LESS THAN 20	126	28.7	**********
20- LESS THAN 30	21	4.8	<b>  **</b>
30- LESS THAN 50	8	1.8	1*
50- LESS THAN 100	2.	0.5	
TOTAL	439 .	100.0	102 202 302 402 502 602 703 803 903 1003
•			FAG FAG SAG ING NEW AGE 150 AGE 150 AGE

PEDIAN SCHOOL SITE SIZE IS 7 ACRES

NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN EAST TENNESSEE MEETING SITE SIZE REQUIREMENTS: 74 16.9%



AGE (IN YEARS) ORIGINA		ADD2 0 0.0	0.0	TEMP1	TEHP O O.	2 TEHP3 0 0.0
60 OR OVER 17 3. 40- LESS THAN 60 112 25.		4 2.2	0 0.0	0 0.0	0 0. 0 0.	0 0.0
20- LESS THAN 40 182 41 LESS THAN 20 131 29		48 26.2 131 71.6	6 8.3	72 100.0	31 100. 31 100.	0 29 100.0
TOTAL 442 100.	0 252 100.0	183 100.0	72 100.0	72 100.0	31 100.	V

NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN EAST TENNESSEE CONSTRUCTED OR ADDED IN SPECIFIED DECADES. 1840-1973

	and the state of t	פה	IGINAL	7 7	A001		AD02		ADD3	A.C.	TEMP1	$\mathcal{F}_{i}^{T} \neq \mathcal{F}_{i}$	TEMP2		TEMP3	
		VA.		Á	0.0	0	0.0	0	0.0	0	0.0	0	0.0	·Q.	0.0	1
- Af	TER 1840 - 1870	Ţ	0.2	V				*		A	0.0	٨	0.0	Ď	0.0	ĺ
AS	TER 1870 - 1880	0	0.0	0	0.0	0	0.0	Ų	0.0	V		¥ A		Ā		
		ñ	0.0	n i	0.0	. 0	0.0	0.	0.0	0	0.0	. 0	0.0	Ų	0.0	
	TER 1880 - 1890	V		^	0.0	ň	0.0	0	0.0	Đ	0.0	0	0.0	0	0.0	l
AF	TER 1890 - 1900	4	0.9	V		v	1 4			Ō	0.0	'n	0.0	0	0.0	
A	TER 1900 - 1910	8	1.8	0	0.0	Q	0.0	Ų	0.0	v	_		· .		0.0	
	TER 1910 - 1920	32	7.2	- 4	1.6	0	0.0	0	0.0	Q	0.0	0	0.0			
			-	14	5,6	· i	0.5	Ō	0.0	0	0.0	0	0.0	0	0.0	1
A	TER 1920 - 1930	67	15.2			1 5			1.4	۸	0.0	٥	0.0	Ó	0.0	
Δ1	TER 1930 - 1940	78	17.6	20	7.9	. 4	4.9			V		Ī		. Ā	0.0	
	TER 1940 - 1950	90	20.4	59	23.4	23	12.6	2	2.8	0	0.0	0	0.0	٧		
			22.6	103	40.9	84	45.9	21	29.2	6	8.3	0	0.0	1	3.4	
	TER 1950 - 1960	100					30.6	41	56.9	46	63.9	21	67.7	12	41.4	١
Δ	TER 1960 - 1970	49	11.1	47	18.7	56		74			27.8	10	32.3	16	55.2	
	TER 1970 - 1973	13	2.9	. 5	2.0	10	5.5	I	9.7	20	-	-				
. <b>.</b>	TOTAL	442	100.0	252	100.0	183	100.0	72	100.0	72	100.0	31	100.0	29	100.0	,

1.5							- Fuss
	ORIGINAL	ADD1	ADD2	ADD3	TEMP1	TEMP2	TEMP3
OLDEST STRUCTURE	1870	1911	1926	1938	1954	1961	1954
	1943	1951	1957	1962	1967	1968	1969
MEAN YEAR OF CONSTRUCTION	7,743	7.4.4	4771	9/45		<del>-</del> · · · ·	

AUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN EAST TENNESSEE HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDITI	TEMPOR	RARTES	
0	162 3	5.8	365.	80.6
1	137 3	0.2	57	12.6
ž	92 2	0.3	18	4.0
3	62 1	3.7	13	2.9
TOTAL	453 10	0.0	453	100.0

NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN EAST TENNESSEE OCCURRING IN SPECIFIED SCHOOL ENROLLMENT CATEGORIES

· ·		350 700 9999	NUMBER 236 177 . 38	44.4	·   \$444444   4444444   1444	******	***				•	
	'AL	_	451	100.0	104 2	0\$ 30\$	40%	50%	607	 801	100%	



NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN EAST TENNESSEE UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

IGINAL 18.1	21	ADD1 8.3	18	ADD2 9.8	10	ADD3 13.9	1	7EMP1 1.4	1	TEMPZ 3.2	2	6.9
eeuñ	nië në!	ING BASEN	ENT AF	SOME STR	UCTURE	FOR INS	TRUCTION	1	102	22.5%		

NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN EAST TENNESSEE HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	321 109 23 0	IGINAL 70.9 24.1 5.1 0.0	182 62 8 0 252	A001 72.2 24.6 3.2 0.0 100.0	142 32 9 0 183	ADD2 77.6 17.5 4.9 0.0 100.0	57 12 3 0 72	ADD3 79.2 16.7 4.2 0.0	71 1 0 0 72	TEMP1 98.6 1.4 0.0 0.0 100.0	29 2 0 0 31	7EMP2 93.5 6.5 0.0 0.0	29 0 0 0 29	TEMP3 100.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	31	BEFORE 1920 6.8 E THAN ONE 0.7	3	1.2 Y 0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF ELEMENTARY SCHOOLS IN EAST TENNESSEE USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ÓΒ	IGINAL		ADO1		ADD2		AOD3		TEMP1		TEMPZ		TERP3	
			191	75.8	149	81.4	50	69.4	. 5	6.9	1	3.2	2	6.9	
BRICK	328		2	0.8	3	1.6	0	0.0	29	40.3	13	41.9	6	20.7	
WOOD	19		4		1	0.5	1	1.4	26	36.1	15	48.4	14	48.3	
HETAL	0		- 4	0.B	1	0.5	Ö	0.0	٥	0.0	Ō	0.0	0	0.0	
STONE	4		1	0.4			4	5.6	Ŏ	0.0	Ō	0.0	Ô	0.0	
CONCRETE	10		- !	2.8	4	1.1			9	4.2	Ŏ	0.0	1	3.4	
OTHER	4		6	2.4	4	2.2	ļ	1.4	0	0.0	n	0.0	ō	0.0	
BRICK, WOOD	11	2.4	5	2.0	0	0.0	0	0.0	_		Ö	0.0	ā	0.0	
BRICK, METAL	7	1.5	4	1.6	2	1.1	S	2.8	0	0.0	G	0.0	Ō	0.0	
BRICK, STONE	2	0.4	1	0.4	Ō	0.0	0	0.0	-0 -⊲∵1		_		Õ	0.0	
DRICK, CONCRETE	23	5.1	6	2.4	6	3.3	4	5.6		1.4	0	0.0	ŏ	0.0	
BRICK, OTHER	6	1.3	2	0.8	, 0	0.0	0	0.0	0	0.0	0	0.0	٥	0.0	
BRICK, WOOD, METAL	2	0.4	3	1.2	0	0.0	· O	0.0	0	0.0	V	0.0		0.0	
BRICK, WOCD, CONCRETE	3	0.7	٥	0.0	1	0.5	0	0.0	0	0.0	0	0.0	. 0		
BRICK, METAL, CONCRETE	13		8	3.2	2	1.1	. 0	0.0	Ō	0.0	Q	0.0	. 0	0.0	
DRILLY DETAIL TONCOETE	0		٥	0.0	Q	0.0	0	0.0	0		Ō	0.0	0	0.0	
BRICK, STONE, CONCRETE	4	0.9	. 3	1.2	2	1.1	2	2.8	0	0.0	0	0.0	Ű	0.0	
BRICK, WOOD, METAL, CONCRETE	13		3	1.2	2	1.1	1	1.4	4	5.6	1	3.2	2	6.9	
ALL OTHER COMBINATIONS	4	0.9	8	3.2	8	4.4	7	9.7	4	5.6	l	3.2	4	13.8	
NO RESPONSE	453		252		183	100.0	72		72	100.0	31	100.0	29	100.0	
TOTAL	700														

HEATING EC	UIPMEN	ī	,	!										
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ûr 387 32 22 12 453	IGINAL 85.4 7.1 4.9 2.6 100.0	202 21 8 21 252	ADD1 80.2 8.3 3.2 8.3 100.0	146 17 6 14 183	AD02 79.8 9.3 3.3 7.7 100.0	47 12 3 10 72	ADD3 65.3 16.7 4.2 13.9 100.0	12 49 0 11 72	TEMP1 16.7 68.1 0.0 15.3 100.0	6 22 0 3 31	TEMP2 19.4 71.0 0.0 9.7 100.0	7 17 0 5 29	7EMP3 24.1 58.6 0.0 17.2 100.0
COOLING E	JUTPHEN	†										·	٠	· • •
	OR	IGINAL		ACD1		ADD2		ADD3	25	TEMP1 34.7	11	TEMP2 35.5	12	TEMP3 41.4
JUST CENTRAL	28	6.2	12	4.8	. 6	3.3	7 10	9.7 13.9	14	19.4	7	22.6	6	20.7
JUST WINDOW UNIT	80	17.7	33	13.1	22	12.0 0.0	70	0.0	Ö	0.0	Ó	0.0	0	0.0
CENTRAL & WINDOW	3	0.7	207	0.0 82.1	0 155	84.7	55	76.4	33	45.B	13	41.9	11	37,9
NO MECHANICAL TOTAL	342 453	75.5 100.0	207 252	100.0	183	100.0	72	100.0	72	100.0	31	100.0	29	100.0
WIND	DW UNIT	COOLING												
	An	TOTAL		ADD1		SOCA		ADD3		TEMP1	_	TEMP2	,	TEMP3
41.1 BAAUE	47	IGINAL 56.6	21	63.6	8	36.4	6	60.0	9	64.3	5	71.4	2	66.7 33.3
ALL ROOMS SELECTED ROOMS	22	26.5	7	21.2	7	31.8	1	10.0	ļ	7.1	1	14.3 14.3	Ó	0.0
NG RESPONSE	14	16.9	5	15.2	7	31.8	3	30.0	14	28.6 100.0	7	100.0	6	100.0
TOTAL	83	100.0	33	100.0	22	100.0	10	100.0	17	1000	•			
			*							*				
LIGHTING	ECUIPAL	NT					1							mi ib 1.1 = ib
	ñí	IGINAL		ADD1	,	ADD2		ADD3		TEMP1		TEMP2		TEMP3
VACANGE CE ÉNT	177	39.1	82	32.5	49	26.8	17	23.6	4	5.6	1	3, 2	2 23	6.9 79.3
INCANDESCENT Fludrescent	242	53.4	149	59.1	121	66.1	. 48	66.7	66	91.7 0.0	, <u>29</u> 0	93.5 0.0	Õ	0.0
BOTH	12	2.6	7	2 • B	2	1.1	ļ	1.4 1.4	0	0.0	٥	0.0	ō	0.0
OTHER	26	5.7	6	2.4	) 	2.7 3.3	4	6.9	. 2	2.8	ī	3.2	4	13.8
NO RESPONSE TOTAL	1 453	0.2 100.0	9 252	3.6 100.0	183		72		72	100.0	31	100.0	29	100.0
τ														

## NUMBER AND PERCENTAGE OF ELEMENTARY SCHOOLS IN EAST TENNESSEE "USING SPECIFIED SOURCES OF WATER SUPPLY

		NUMBÉR	PERCENTAGE				
WATER UTILITY PUMP ON PROPERTY		354	78.1	************************************			
		93	20.5				
OTHER (WELLS, ETC.)	•	6	1.3	$\mathbf{A}^{*}$			
NO RESPONSE		0	0.0				
TOTAL	ř	453	100.0				
				107 207 307 407 507 607 707 807 907 1007			

## NUMBER AND PERCENTAGE OF PRINCIPALS OF ELEMENTARY SCHOOLS IN EAST TENNESSEE EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCE	238	52,5	************
CONSTRUCTION	169	37.3	************
BCTH	12	2.6	*
NEITHER (INCLUDING NO RESPONSE)	34	7.5 100.0	***
TOTAL	453		101 201 301 401 501 601 701 801 901 1001

PLANT PROFILES: ELEMENTARY SCHOOLS IN EAST TENNESSEE

CRITERION	Å	DEQUATE	SUBSTANDARD	
una / una un	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE
1. ENROLLMENT/CAPACITY RATIO <= 1	348	77.5	101	22.5
2. MEETS NATIONAL SCHOOL SIZE STANDARDS	134	29.7	317	70.3
3. MEETS NATIONAL SITE SIZE STANDARDS	74	16.9	364	83.1
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	245	55.4	197	44.6
5. NO TEMPORARY STRUCTURES	365	80.6	88	19.4
6. NO BASEMENT USED FOR INSTRUCTION	351	77.5	102	22.5
7. NO BUILDING OF WOOD EXCLUSIVELY	402	88.7	51	11.3
8. CENTRAL HEATING IN ORIGINAL BUILDING	409	90.3	44	9.7
9. CENTRAL AIR OR ALL WINDOW UNITS	72	15.9	310	68.4
10. COMPLETE FLUORESCENT LIGHTING	221	48.8	150	33.1
11. USE OF WATER UTILITY	354	78.1	99	21.9
12 MEETS 7 OF 11 OF ABOVE CRITERIA	225	49.7	30	6.6
TDIC'			* 683	

### MIDDLE SCHOOLS IN EAST TENNESSEE

61 RESPONDENTS

NUMBER AND PERCENTAGE OF MIDDLE SCHOOLS IN EAST TENNESSEE USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROLL  ABOVE  ABOVE  ABOVE	MENT/CAPACITY RATIO 0.0- 0.5 0.5- 0.8 0.8- 1.0	NUMBER 0 14 25 18	PERCENTAGE 0.0 24.1 43.1 31.0	
ABCVE ABOVE	1.5- 2.0 2.0-13.0	, I	1.7 0.0	
·	TOTAL	58	100.0	102 202 302 402 502 602 702 802 902 1002
SCHO	LS THAT EXCEED	CAPACITY	19	32.8%

NUMBER AND PERCENTAGE OF MIDDLE SCHOOLS IN EAST TENNESSEE HAVING SITES OF SPECIFIED SIZES (IN AGRES)

5- LESS THAN 10 17 28.8  * 10- LESS THAN 20 12 20.3  * 20- LESS THAN 30 9 15.3  *	************ ************* **********
-----------------------------------------------------------------------------------	---------------------------------------------

MEDIAN SCHOOL SITE SIZE IS 9 ACRES

NUMBER AND PERCENTAGE OF MIDDLE SCHOOLS IN EAST TENNESSEE MEETING SITE SIZE REQUIREMENTS: 7 11.9%

NUMBER AND PERCENTAGE OF BUILDINGS OF HIDDLE SCHOOLS IN EAST TENNESSEE CCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	DRIGINAL	JODA	AD02	EDDA	TEMP1	TEMP2	TEMP3
60 OR OVER	2 3.4	0 0.0	0 0.0	0 0.0	0.0	0.0	0 0.0
40- LESS THAN 60	17 28.8	5 17.9	2 9,5	0 0.0	0 0.0	0 0.0 0 0.0	0 0.0
20- LESS THAN 40	11 18.6 29 49.2	5 17.9 18 64.3	13 61.9	7 63.6	8 88.9	4 100.0	3 100.0
LESS THAN 20 TOTAL	59 100.0	18 04.3 28 100.0	21 100.0	11 100-0	9 100.0	4 100.0	3 100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS IN EAST TENNESSEE CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	ORIGINA	· i	ADD1		ADD2		$\mathcal{E}^{QQA}$		TEMPI		TEMP2		TEMP3
.e#PA 14.4 . 107A			0.0	0	0.0	۸	0.0	0	0.0	Ō	0.0	Ō	0.0
AFTER 1840 - 1870	0 0.	_	±	ň		Ų	0.0	ñ	_		0.0	٥	0.0
AFTER <u>1870</u> - 1880	0 0.	0 0	0.0	v	0,0	0		ν Λ	0.0	v		ň	0.0
AFTER 1880 - 1890	1 1.	7 0	0.0	Q	0.0	0	0.0	V	0.0	Q	0.0	V	
AFTER 1890 - 1900	0 0.		0.0	Q	0.0	Ō	0.0	0	0,0	Q	0.0	U	0.0
			0.0	٥	0.0	· •	0.0	0	0.0	Ó	0.0	0	0.0
AFTER 1900 - 1910	h 1.	_	3.6	Ō		V A	0.0	Ø	0.0	Ô	0.0	0	0.0
AFTER 1910 - 1920	4 6.		_	•	0.0	Ų	0.0	ň		۸	0.0	Ò	0.0
AFTER 1920 - 1930	10 16.	93	10.7	ξ.	9.5	Ç		٠	0.0	Ų		^	
AFTER 1930 - 1940	9 15.	3 2	7.1	3	23.8	٠ ٥	0.0	1	11.1	0	0.0	Ų	0.0
AFTER 1940 - 1950	3 5,		7.1	· Q	0.0	,	18•5	0	0.0	, 0	0.0	Q	0.0
	1		50.0	6	28.6	į.	36.4	1	11.1	Ō	0.0	0	0.0
AFTER 1950 - 1960		_		Ā		4	45.3	4	-	•	75.0	Ò	0.0
AFTER 1960 - 1970	11 18.	6 5	17.9	Α.	38.1	,	0.0	3	44.4	3	25.0		100.0
AFTER 1970 - 1973	3 5,	1 1	3.6	0	0.0	0		,	33.3	Ţ	_	2	
TOTAL	59 100.	_	100.0	21	100.0	11	100-0	9	100.0	4	100.0	3	100.0

	ORIGINAL	ADDI	ADDS	ADD3	TEMP1	TEMPZ	TEMP3
OLDEST STRUCTURE	1883	1916	1925 1951	1948 1958	1940 1964	1964 1969	1971 1971
MEAN YEAR OF CONSTRUCTION	1945	1951	1457	1470	140.	\$707	7417

NUMBER AND PERCENTAGE OF MIDDLE SCHOOLS IN EAST TENNESSEE HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES.

	ADUITIONS	TEMPORARIES
0	27 44.3	50 82.0
Ĭ	16 26.2	7 11.5
2	10 16.4	3 4.9
2 3	8 13.1	1 1.6
TOTAL	61 100.0	61 100.0

NUMBER AND PERCENTAGE OF MIDDLE SCHOOLS IN EAST TENNESSEE CCCURRING IN SPECIFIED SCHOOL ENROLLMENT CATEGORIES

ENROLLMENT	NUMBER	PERCENTAGE	
0- LESS THAN 350	7	11.7	<b>李章章章</b> ·
350- LESS THAN 700	28	46.7	******
700- LESS THAN 9999	25	41.7	*******
O TOTAL	-60	100.0	Sugar Printer
			10\$ 20\$



 IGINAL 23.0	3	ADD1 10.7	4	ADD2 19.0	2	ADD3 18.2	0	TEMP1 0.0	0	TEMP2 0.0	0	TEMP3 0.0
SCHOOL	S US	ING BASEME	NT - OF	SOME STRE	JCTURE	FOR INSTA	RUCTION	•	16	26.24		

NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS IN EAST TENNESSEE HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES 1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	0R 22 28 11 0 61	36.1 45.9 18.0 0.0 100.0	16 10 2 0 28	ACD1 57.1 35.7 7.1 0.0 100.0	13 3 5 0 21	ADD2 61.9 14.3 23.8 0.0 100.0	7 4 0 0 11	ADD3 63.6 36.4 0.0 0.0	8 1 0 0	TEMP1 88.9 11.1 0.0 0.0 100.0	4 0 0 0 4	TEMP2 100.0 0.0 0.0 0.0 100.0	3 0 0 0 3	TEMP3 100.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	7	11.5	920 1 INE STOR 0.	3.6 Y 0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS IN EAST TENNESSEE USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ŌR	IGINAL		ADD1		ADD2		ADD3		TEMP1		TEMP2	,	TEMP3	
BRICK	43		24	85.7	16		10	90.9	2	22.2	0	0.0	0	0.0	:
WOOD	Ó	0.0	1	3.6	0	0.0	0	0.0	4	44.4	1	25.0	1	33,3	
METAL	Ō	0.0	1	3.6	0	0.0	0	0.0	2	22.2	3	75.0	0	0.0	
STONE	Õ	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0	Q	0.0	
CCNCRETE .	1	1.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	. 0	0.0	
CTHER	Ō	0.0	Q	0.0	Q	0.0	0	0.0	Q	0.0	0	0.0	0	0.0	
BRICK, WOOD	1	1.6	0		. 0	0.0	0	0.0	1	11.1	0	0.0	Q	0.0	
BRICK, METAL	ĺ	1.6	0	0.0	0	0.0	. 0	0.0	0	0.0	0	0.0	Ó	0.0	
BRICK, STONE	l.	1.6	0	0.0	1	4, 8	. 0	0.0	0	0.0	0	0.0	0	0.0	
BRICK, CONCRETE	8	13.1	1	3.6	2	9.5	0	0.0	0	0.0	0	0.0	0	3.0	
BRICK, CTHER	1	1.6	1	3,6	1	4.8	1	9.1	0	0.0 🥷	1.a. 0	0.0	0	0.0	
BRICK, WOOD, METAL	0	0.0	Q	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
BRICK, WOOD, CONCRETE	0	0.0	0	0.0	0		0	0.0	0	0.0	0	0.0	Q	0.0	
BRICK, METAL, CONCRETE	4	6.6	Q	0.0	1	4.8	0		Q	0.0	0	0.0	0	0.0	
BRICK, STONE, CONCRETE	0	0.0	0	0.0	0	0.0	0	0.0	Q	0.0	0	0,0	Q	0.0	
BRICK, WOOD, METAL, CONCRETE	0	0.0	0	0.0	Ō	7.7	. 0	777	Q	0.0	0	0.0	Ō	0.0	
ALL OTHER COMBINATIONS	1	1.6	0	0.0	. ,	0.0	0	1 7 2	0	0.0	0	0.0	0	0.0	
NG RESPONSE	0	0.0	0	0.0	ý	-	0		0	0.0	0		2	66.7	
TOTAL	61	100.0	28	100.0	21	100.0	11	100.0	9	100.0	4	100.0	3	100.0	

# NUMBER AND PERCENTAGE OF BUILDINGS OF MIDDLE SCHOOLS IN EAST TENNESSEE USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQ	UIPMEN'	T													
JUST CENTRAL JUST SPACE	56 5	IGINAL 91.8 8.2	24	A0D1 85.7 14.3	20 1	ADD2 95.2 4.8 0.0	11 0 0	ADD3 100.0 0.0 0.0	4 5 0	TEMP1 44.4 55.6 0.0	1 3 0	TEMP2 25.0 75.0 0.0	0 1 0	TEMP3 0.0 33.3 0.0	
CENTRAL & SPACE NO RESPONSE TOTAL	0 0 61	0.0 0.0 100.0	0 0 28	0.0 0.0 100.0	0 0 21	0.0 100.0	0	0.0 100.0	9	0.0 100.0	0	0.0 100.0	3	66.7 100.0	
COOLING EQ	JUI PMEN	T			ī				r						
<b>*</b> - *	OR	[GINAL		ACD1		ADO2	ے	ADD3	_	TEMP1		TEMP2	ij	TEMP3	٠.
JUST CENTRAL	12	19.7	3	10.7	1	4.8	. 0	0.0	3	22.2 33.3	. 0	50.0 0.0	Ô	0.0	
TINU WOOMIN TRUL	9	14.8	7	25.0	1	4.8 0.0	2	18.2 0.0	0	0.0	ŏ	0.0	Ō	0.0	
CENTRAL & WINDOW	0	0.0	Q 18	0.0 64.3	0 19	90.5	9	81.8	· 4	44.4	2	50.0	2	66.7	-
NO MECHANICAL TOTAL	40 61	65.6 100.0	28	100.0	21	100.0	11	100.0	9	100.0	4	100.0	3	100.0	ing.
. WINDO	TINU W	COOLING										· .		; ;	
	US	IGINAL		ACO1		ADD2		ADD3		TEMPL	_	TEMP2		TEMP3	
ALL ROOMS	4	44.4	1	14.3	1	100.0	Ō	0.0	2	66.7	. 0	0.0	0	0.0	
SELECTED ROOMS	3	33.3	4	57.1	0	0.0	2	100.0	0	0.0 33.3	. 0	0.0 0.0	Ö	0.0	
NO RESPONSE TOTAL	2 9	22.2 100.0	2	28.6 100:0	0	0.0 100.0	0 2	0.0 100.0	3	100.0	Ŏ	100.0	Ö	100.0	
,										•				•	
LIGHTING 8	CUIPME	NT				:									
	OŘ	IGINAL		ADD1		ADD2		ADD3	_	TENP1		TEMP2		TEMP3	
INCANDESCENT	18	29.5	- 11	39.3	7	33.3	6	54.5	2	22.2	0		, 0	0.0 33.3	
FLUCRESCENT	37	60.7	13	46.4	12	57.1		45.5 0.0	6 0	66.7 0.0	0	50.0 0.0	ò	0.0	
80TH	6	9.8	3	10.7	2	9.5	0	0.0	0	0.0	Õ	0.0	ŏ	0.0	
CTHER	2	3.3 ^ ^	0	0.0 3.6	0	0.0	Ō	0.0	ī	11.1	2	50.0	2 -	66.7	
NO RESPONSE TOTAL	61 61	0.0 100.0	28	100.0	· 21	100.0	ıi	100.0	9	100.0	4	100.0	3	100.0	133
									1				i t		

NUMBER AND PERCENTAGE OF MIDDLE SCHOOLS IN EAST TENNESSEE

	. NUMBER	PERCENTAGE	****************
WATER UTILITY	61	100.0	***************************************
PUMP ON PROPERTY	0	0.0	
CTHER (WELLS, ETC.)	0	0.0	
NO RESPONSE	0	0.0	
TOTAL	61	100.0	107 207 307 407 507 607 707 807 907 1007
			102 202 302 402 502 602 702 802 902 1002

NUMBER AND PERCENTAGE OF PRINCIPALS OF MIDDLE SCHOOLS IN EAST TENNESSEE EXPRESSING SPECIFIED FACILITY NEEDS

1	NUMBER	PERCENTÁGE	
MA INTENANCE	26	42.6	******
CONSTRUCTION	27	44.3	************
BOTH	2	3.3	<b>1</b> ≢ - ¹
NEITHER (INCLUDING NO RESPONSE)	6	9.8	[#### .
TOTAL	61	100.0	 FREERWYYNE FREERWYN I STERNING BENER FREERWYN FERNING FREERWYN FREERWY
10146		• • • • • • • • • • • • • • • • • • • •	101 201 301 401 501 601 701 801 901 1001

PLANT PROFILES: . MIDDLE SCHOOLS IN EAST TENNESSEE

CRITERION	A NUMBER	DEQUATE PERCENTAGE	SUBS Number	TANDARD PERCENTAGE
1. ENROLLMENT/CAPACITY RATIO <= 1	39	67.2	19	32.8
2. MEETS NATIONAL SCHOOL SIZE STANDARDS	33	55.0	27	45.0
3. MEETS NATIONAL SITE SIZE STANDARDS	7	11 a 9	52	88.1
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	34	57.6	25	42.4
5. NC TEMPORARY STRUCTURES	50	82.0	11	18.0
6. NO BASEMENT USED FOR INSTRUCTION	45	73.8	16	26.2
7. NO BUILDING OF WOOD EXCLUSIVELY	56	91.8	5	8.2
8. CENTRAL HEATING IN ORIGINAL BUILDING	. 56	91.8	5	8.2
9. CENTRAL AIR OR ALL WINDOW UNITS	17	27.9	35	57.4
10. COMPLETE FLUORESCENT LIGHTING	39	.63.9	9	14.8
11. USE OF WATER L LITY	61	100.0	0	0.0
12. MEETS 7 OF 11 OF ABOVE CRITERIA	43	70.5	3	4.9

CATA DISPLAY 3.11

SECONDARY SCHOOLS IN EAST TENNESSEE

96 RESPONDENTS

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN EAST TENNESSEE USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROLLKENT/CAPACITY			
RATIO	NUMBER	PERCENTAGE	i .
ABOVE 0.0- 0.5 ABOVE 0.5- 0.8 AROVE 0.8- 1.0 ABOVE 1.0- 1.5	2 14 53 25	2.1 14.6 55.2 26.0 2.1	
ABCYE 1.5- 2.0 ABCYE 2.0-13.0 TOTAL	2 0 96	0.0	101 201 301 401 501 601 701 801 901 1001
SCHOOLS THAT EXCES	CAPACITY:	27	28.1%

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN EAST TENNESSEE HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES	NUMBÉR	PERCENTAGE	
O- LESS THAN 1 1- LESS THAN 5 5- LESS THAN 10 10- LESS THAN 20 20- LESS THAN 30 30- LESS THAN 50 50- LESS THAN 100 TOTAL	0 3 13 29 23 18 8	0.0 3.2 13.8 30.9 24.5 19.1 8.5 100.0	*
			101 501 301 401 201 601 102 801 401 1001

MEDIAN SCHOOL SITE SIZE IS 20 ACRES

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN EAST TENNESSEE MEETING SITE SIZE REQUIREMENTS: 13 13.8%

## NUMBER AND PERCENTAGE OF BUILDINGS OF SECONDARY SCHOOLS IN EAST TENNESSEE OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS) 60 OR OVER 40- LESS THAN 60 20- LESS THAN 40 LESS THAN 20 TOTAL	ORIGINAL 1 1.1 13 14.0 27 29.0 52 55.9 93 100.0	0 0 11 33 44	ADD1 0.0 0.0 25.0 75.0 100.0	0 0 2 27 29	ADD2 0.0 0.0 6.9 93.1 100.0	0 0 2 12 14	ADD3 0.0 0.0 14.3 85.7 100.0	0 0 0 16 16	TEMP1 0.0 0.0 0.0 100.0	0 0 0 7 7	TEMP2 0.0 0.0 0.0 100.0	0 0 0 4 4	7EMP3 0.0 0.0 0.0 100.0	
--------------------------------------------------------------------------------	----------------------------------------------------------------	--------------------------	---------------------------------------------	-------------------------	--------------------------------------------	-------------------------	---------------------------------------------	-------------------------	-------------------------------------	-----------------------	-------------------------------------	-----------------------	-------------------------------------	--

NUMBER AND PERCENTAGE OF BUILDINGS OF SECONDARY SCHOOLS IN EAST TENNESSEE CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	n p	IGINAL		ADD1		SODA		ADD3		TEMP1		TEMP2	1	TENP3
	UK A		۸	1 7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1840 - 1870	Ų	0.0	0	0.0	•		ō	0.0	Ā	0.0	Ó	0.0	Ô	0.0
AFTER 1870 - 1880	0	0.0	0	0.0	Ų	0.0			, ,		_		Ā	0.0
AFTER 1880 - 1890	0	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0	Ų	
AFTER 1890 - 1900	Ó	0.0	Ō	0.0	٥	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0
	1	1.1	Ö	0.0	٥	0.0	0	0.0	0	0.0	Ò	0. €	0	0.0
AFTER 1900 - 1910	i.				Ō	0.0	Ò	0.0	O	0.0	Ó	0.0	0	0.0
AFTER 1910 - 1920	0	0.0	0	0.0	I				Ō	0.0	Ō	0.0	Ó	0.0
AFTER 1920 - 1930	10	10.8	0	0.0	Q	0.0	0	0.0	v		v v	7.7	۸	-
AFTER 1930 - 1940	9	9.7	2	4.5	Ç	0.0	Ō	0.0	Ü	0.0	Ų	0.0	Ų	0.0
AFTER 1940 - 1950	13	14.0	5	11.4	2	. 6,9	0	0.0	0	0.0	٠ ۵	0.0	Q	0.0
		19.4	17	38.6	Ā	20.7	3	21.4	2	12.5	0	· Q• O	Q	0.0
AFTER 1950 - 1960	18		_		16	55.2	8	57.1	10	62.5	.5	71.4	2	50.0
AFTER 1960 - 1970	31	33.3	18	40.9	10		-		4	25.0	,	28.6	į	50.0
AFTER 1970 - 1973 -	11	11.8	2	4.5		17.2	3	21.4	*	-	<u> </u>		4	100.0
TOTAL	93	100.0	44	100.0	29	100.0	14	100.0	16	100,0	,	100.0	•	10040

	ORIGINAL	ADD1	ADD2	A003	TEXP1	TEMP2	TENP3
OLDEST STRUCTURE	· <u>1</u> 910	1934	1948	1953	1955	1962	1964
MEAN YEAR OF CONSTRUCTION	1954	1958	1962	1964	1967	1967	1969

## AUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN EAST TENNESSEE HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

		ADDITIONS	TEMPORARIES
0	, ,	47 49.0	76, 79.2
1	:	22 22.9	14 14.6
2		16 16.7	5 5.2
3		11 11.5	1 1.0
TOTAL		96 100.0	96 100.0

NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN EAST TENNESSEE CCCURRING IN SPECIFIED SCHOOL ENROLLHENT CATEGORIES

ENROLLMENT 2	NUMBER	PERCENTAGE										
	350 8	8.3	****									
	700 34	35.4	*****									
700- LESS THAN 99	199 54	56.3	*****	****	****	****	****	**				
TOTAL	96	100.0	2 <del>59</del> 2091			مجيدة		-5	****	جَجُ بُدُ جُنِي	9#79#	
INIUF	- <del>-</del>	3	101	20 <b>T</b>	305	40%	50%	601	70%	80%	904	1002

## NUMBER AND PERCENTAGE OF BUILDINGS OF SECONDARY SCHOOLS IN EAST TENNESSEE UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

ORI 12	GINAL 12.5	4	ADD1 9.1	4	ADD2 13.8	1	ADD3 7.1	1 EM	P1 •3	0	TEMP2 0.0	0	0.0
,	CEUNCI	C 11CT	NG RASENE	NT DE	SOME STR	UCTURE	FOR INSTI	RUCTION:	18	}	18.81		•

### NUMBER AND PERCENTAGE OF BUILDINGS OF SECONDARY SCHOOLS IN EAST TENNESSEE HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	96	47.9 38.5 12.5 1.0 100.0	29 13 2 0 44	ACD1 65.9 29.5 4.5 0.0 100.0	18 9 2 0 29	ADD2 62.1 31.0 6.9 0.0 100.0	12 2 0 0	ADD3 85.7 14.3 0.0 0.0	15 1 0 0 16	7EHP1 93.8 6.3 0.0 0.0 100.0	6 1 0 0 7	85.7 14.3 0.0 0.0 100.0	4000	100.0 0.0 0.0 0.0 0.0	
TWO STORIES OR MORE	BUILT	BEFORE 2.1	1920 0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
ALL WOOD STRUCTURES	OF MO		ONE STORY	1	_		٨	A A	a	0.0	۵	0.0	0	0.0	•

### NUMBER AND PERCENTAGE OF BUILDINGS OF SECONDARY SCHOOLS IN EAST TENNESSEE USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

BRICK WGGD METAL STONE CCNCRETE OTHER BRICK, WOOD BRICK, METAL BRICK, STONE BRICK, CONCRETE BRICK, OTHER BRICK, WGOD, METAL BRICK, WGOD, METAL BRICK, WGOD, CONCRETE	ORIGINAL 78 81.3 0 0.0 1 1.0 2 2.1 0 0.0 1 1.0 2 2.1 0 0.0 5 5.2 1 1.0 0 0.0 0 0.0 3 3.1	ADD1 37 84.1 0 0.0 0 0.0 1 2.3 0 0.0 0 0.0 1 2.3 0 0.0 2 4.5 0 0.0 1 2.3 0 0.0 0 0.0	ADD2 75.9 0 0.0 1 3.4 0 0.0 1 3.4 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0	ADD3 8 57.1 0 0.0 1 7.1 0 0.0 2 14.3 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0	TEMP1 2 12.5 7 43.8 4 25.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0	TEMP2 0 0.0 4 57.1 1 14.3 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0	TEMP3 0 0.0 2 50.0 2 50.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0
BRICK, WOOD, METAL	0 0.0	1 2.3 0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0

HEATING E	QU [ PMEN	T			•					ŧ				
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	OR 81 7 8 0 96	1GINAL 84.4 7.3 8.3 0.0 100.0	37 3 2 2 2	ACD1 84.1 6.8 4.5 4.5 100.0	23 4 0 2 29	AD02 79.3 13.8 0.0 6.9 100.0	12 2 0 0 14	ADD3 85.7 14.3 0.0 0.0 100.0	4 10 0 2 16	TEMP1 25.0 62.5 0.0 12.5 100.0	1 4 0 2 7	TEMP2 14.3 57.1 0.0 28.6 100.0	0 4 0 0 4	TEMP3 0.0 100.0 0.0 0.0 100.0
COOLING E	QUÍPMEN	Ī			· .									
	0.0	ternu		ACD1		ADD2		ADD3		TEMPI		TEMP2		TEMP3
ca acuanii		IGINAL 26.0	7	15.9	. 7	24.1	0	0.0	4	25.0	1	14.3	Ó	0.0
JUST CENTRAL JUST WINDOW UNIT	25 20	20.B	13	29.5	j	10.3	Ō	0.0	2	12.5	0	0.0	2	50.0
CENTRAL & WINDOW	2	2.1	ĩ	2.3	Ŏ	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NO MECHANICAL	49	51.0	23	52.3	19	65.5	14	100.0	10	62.5	6	85.7	2	50.0 100.0
TOTAL	96	100.0	44	100.0	29	100.0	14	100.0	16	100.0	7	100.0	4	TANTA
WIND	דואט עס	COOLING						•		terring.		:		
	ñδ	TC TNAI		AOD1		AÓD2		ADD 3		TEMP1		TEMP2		TEMP3
ALC DOOMS	4	IGINAL 18.2	3	21.4	0	0.0	0	0.0	0	0.0	0	0.0	1	50.0
ALL ROOMS SELECTED ROOMS	10	45.5	é	42.9	3	100.0	0	0.0	1	50.0	. 0	0.0	Ō	0.0
NO RESPUNSE	8	36.4	5	35.7	0	0.0	0	0.0	1	50.0	0	0.0	1	50.0
TOTAL	22	100.0	14	100.0	3	100.0	0	100.0	2	100.0	0	100.0	. 2	100.0
LIGHTING	EQUIPME	ENT												
	ā.			A001		ADD2		AOD3		TEMP1		TEMP2		TEMP3
THE SHEEZENY		IGINAL 29.2	16	36.4	, 9	31.0	5	35.7	1	6.3		0.0	0	0.0
INCANCESCENT	28 63	65.6	25	56.8	16	55.2	8	57.1	14	87.5	, 5	71.4	4	100.0
FLUCRESCENT ROTH	3	3.1	Ĩ	2.3	1	3.4	0	0.0	0	0.0	0	0.0	0	0.0
CTHER	ī	1.0	Ò	0.0	0	0.0	0	0.0	Ó	0.0	0	0.0	0	0.0
NO RESPONSE	į	1.0	2	4.5	3	10.3	1	7.1	1	6.3	2 7	28.6 100.0	0 4	0.0 100.0
TOTAL	96	100.0	44	100.0	29	100.0	14	100.0	16	100.0	1	TOATO	7	ŤĀ A Ē Ā

## NUMBER AND PERCENTAGE OF SECONDARY SCHOOLS IN EAST TENNESSEE LSING SPECIFIED SQURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE	*************************
WATER UTILITY	92	95.8	***************
PUMP ON PROPERTY	4	4.2	<b>             </b>
CTHER (HELLS, ETC.)	0	0.0	A
NO RESPONSE	, 0	0.0	
TOTAL	96	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

# NUMBER AND PERCENTAGE OF PRINCIPALS OF SECONDARY SCHOOLS IN EAST TENNESSEE EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCE	46	47.9	******
CCNSTRUCTION	40	41.7	*************
BCTH	i	1.0	
NEITHER (INCLUDING NO RESPONSE)	9	9.4	****
	96	100.0	줎줐늗툿쓷쁙귳쵿뜪녺쁙첉됮괡죣쇖ഥ쳁흕쀼콯훁첉뚕뇈툿춖띃쁙춖묨둮줱쒖돰콯묨롲쯗쇖륁믮뇶뀰둮쁁æ
TOTAL	79	****	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

	PLANT PROFILES: SECONDARY SCHOOLS	IN EAST	TENNESSEE		
	CRITERION	NUMBER	NDEQUATE PERCENTAGE	SUBSTA Number P	VDARD ERCENTAGE
1.	ENROLLMENT/CAPACITY RATIO <= 1	69	71.9	27	28.1
	MEETS NATIONAL SCHOOL SIZE STANDARDS	61	63.5	35	36.5
. 3.	MEETS NATIONAL SITE SIZE STANDARDS	13	13.8	. 81	86.2
	ORIGINAL BUILDING 30 YRS OLD OR LESS	72	77.4	21	22.6
	NO TEMPORARY STRUCTURES	76	79.2	20	20.8
	NG BASEMENT USED FOR INSTRUCTION	78	81.3	18	18.8,
	NO BUILDING OF WOOD FXCLUSIVELY	88	91.7	8	8.3
	CENTRAL HEATING IN ORIGINAL BUILDING	89	92.7	7	7.3
_	CENTRAL AIR OR ALL WINDOW UNITS	32	. 33.3	34	35.4
	CCMPLETE FLUORESCENT LIGHTING	58	60.4	16	16.7
	USE OF WATER UTILITY	92	95.8	4	4.2
	TS 7 OF 11 OF ABOVE CRITERIA	72	75.0	. 2,	2.1

### COMBINED SCHOOLS IN EAST TENNESSEE

### 19 RESPONDENTS

NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN EAST TENNESSEE USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

N ENROLLMENT/CAPACITY	, ' =	ng ng mangalan na na na		
RATIO	NUMBER	PERCENTAGE	₩ f	
ASCVE 0.0- 0.5 ABOVE 0.5- 0.8 ABOVE 0.8- 1.0 ABCVE 1.0- 1.5	0 4 7 7	0.0 22.2 38.9 38.9	####################################	
ABOVE 1.5- 2.0 ABOVE 2.0-13.0	0	0.0 0.0 100.0		==
Several Total edge of Views of the total edge of total edge of the total edge of the total edge of the total edge of tot	18	100.0	101 201 301 401 501 601 701 801 901 10	0\$
SCHOOLS THAT EXCEE	D CAPACITY:	7	38.97	

NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN EAST TENNESSEE HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES	NUMBER	PERCENTAGE		1					i			
O- LESS THAN 1	0	0.0										
1- LESS THAN 5	3	18.8	*   *****	***								
5- LESS THAN 10	6	37.5	*****	****	****	**			,			
10- LESS THAN 20	6	37.5	*****	****	****	**	11	÷	40000	5		
20- LESS THAN 30	1	6.3	***	•								
30- LESS THAN 50	0	0.0	1									
50- LESS THAN 100	0	0.0	j									
TOTAL	16	100.0	101	201	30 <b>%</b>	401	50 <b>%</b> (	01	701 80	)	0 <b>7</b> 1	COT

PEDIAN SCHOOL SITE SIZE IS 8 ACRES

NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN EAST TENNESSEE MEETING SITE SIZE REQUIREMENTS: 0 0.0%

### NUMBER AND PERCENTAGE OF BUILDINGS OF COMBINED SCHOOLS IN EAST TENNESSEE CCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	ORIGINAL		ADD1		ADD2	1.5	ADD3		TEMPL	Caro		TEMP2	TE	MP3
60 OR OVER	1 5.6	0	0.0	. 0	0.0	0	0.0	0	0.0	•	0	0.0	0	0.0
40- LESS THAN 60	10 55.6	0	0.0	0	0.0	. 0	0.0	0	0.0	1 1	0	0.0	0	0.0
20- LESS THAN 40	4 - 22.2	9	69.2	Ō.	0.0	0	0.0	0	0.0		0	0.0	0 000	0.0
LESS THAN 20	3 16.7	4	30.8	9	100.0	~ ∳	100.0	6	100.0		3	100.0	1 10	0.00
TOTAL	18 100.0	13	100.0	9	100.0	··· 4	100.0	6	100.0	* - <u>.</u> .	3	100.0	1 10	0.0

### NUMBER AND PERCENTAGE OF BUILDINGS OF COMBINED SCHOOLS IN EAST TENNESSEE CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

		. 0	RIGINAL		AOD1		ADDZ		ADD3		TEMP1		Ţ	EMP2		TEMP3	<b>)</b> .
AFTE	R 1840 - 1870	. 0	0.0	0	0.0	. 0	0.0	0	0.0	_{3.5} 0	0.0	70	0 1	0.0	0	. 0.0	),
AFTE	R 1870 - 1880	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1 5 5	0	0.0	. 0	0.0	
	R 1880 - 1890		0.0	0	0.0	0	0.0	0	0.0	0	0.0		0	0.0	. 0	0.0	)
AFTE	R 1890 - 1900	. 0	0.0	Ó	0.0	0	0.0	0	0.0	<u> </u>	0.0		0	0.0	. 0	0.0	ين (
	R-1900 - 1910	1	5.6	0	0.0	0	0.0	0	0.0	0	0.0	Tray.	0	0.0	. · · 0	0.0	)
	R 1910 - 1920		16.7	0	0.0	0	0.0	0	0.0	0	0.0		0	0.0	0	0.0	) j
	R 1920 - 1930		38.9	Ó	0.0	0	0.0	0	0.0	. 0	0.0	2.1	0	0.0	0	0.0	1
	R 1930 - 1940		11.1	. 1	7.7	, 0	0.0	0	0.0	0	0.0		0	0.0	0	0.0	
	R 1940 - 1950		5,6	6	46.2	. 0	0.0	0	0.0	0	0.0		0	0.0	0	0.0	)
	R 1950 - 1960		11.1	4	30.8	7	77.8	1	25.0	0	0.0		0	0.0	0	0.0	10.0
	R 1960 - 1970		11.1	2	15.4	. 2	22.2	3	75.0	3	50.0	y .	1	33.3	1	100.0	
	R 1970 - 1973	. 0	0.0	Ó	0.0	0	0.0	0	0.0	3	50.0	1000	2	66.7	0	0.0	1
	TOTAL	1.8		13	100.0	9	100.0	4	100.0	6	100.0		3 1	00.0	1	100.0	1

the state of the s							
	ORÍGINAL	A001	ADD2	ADD3	TEMP1	TEMP2	TEMP3
OLDEST STRUCTURE	1908	1938	1954	1958	1967	1969	1970
MEAN YEAR OF CONSTRUCTION	1933	1952	1958	1965	1969	1970	1970

### NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN EAST TENNESSEE HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADD	ITIONS	TEMPO	RARIES
0	5	26.3	12	63.2
1	5	26.3	5 '	26.3
2	6	31.6	-1	5.3
3	3	15.8	1	5.3
TOTAL	19	100.0	19	100.0

## NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN EAST TENNESSEE CCCURRING IN SPECIFIED SCHOOL ENROLLMENT CATEGORIES

ENROLLMENT	NUMBER PERCENTAGE		٠.
O- LESS THAN 350	3 15.8	*******	
350- LESS THAN 700	14 73.7	******	
700- LESS THAN 9999	2 10.5	****	4
O IOTAL	19 100.0	7-4	
ERIC	ing the second s	101 201 301 401 501 601 701 801 901	I 100I

4

228

		SCHOOLS	USING BASEMENT OF	SOME STRUCTURE PL	N TUSTKOCI TOW	
۴.	6 84.71				A THETSHETIAN	3 15.8%
			terdia, po pro tro		n i kulikasan tawa	ne kon e ili versiona bili ili 1860
		3	2 15.4	0.0		
100			A	A A A	0.0	0 0.0 0 0.0
1	ORIGIA	IAL	ADD1	MARKET	'병원회' 내가 되었는데 유민들의 교원적이다.	0 0.0 0 0.0
7-1	in the second	Rational Control	off the state of t	1665	1003 TEHP1	TEMP3.
3.1	The transition of the	36 m F 30 M 1 m 1	77 TATE OF THE STATE OF THE STA	and the second of the second o		一 学是好美华

NUMBER AND PERCENTAGE OF BUILDINGS OF COMBINED SCHOOLS IN EAST TENNESSEE HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	11 7 1 0	GINAL 57.9 36.8 5.3 0.0	8 5 0 0.	ADD1 61.5 38.5 0.0 0.0	6 3 0 0 9	ADD2 66.7 33.3 0.0 0.0 100.0	3 1 0 0 4	ADD3 75.0 25.0 0.0 0.0	6 0 0 6	TEMP1 100.0 0.0 0.0 0.0 100.0	3 0 0 0 3	0.0	0 0 1	TEMP3 100.0 0.0 0.0 0.0 100.0
THO STORIES OR MORE	5 2		O O STORY O	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF COMBINED SCHOOLS IN EAST TENNESSEE USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

BRICK WOOD METAL STONE CCNCRETE OTHER BRICK, WOOD BRICK, METAL BRICK, STONE BRICK, CONCRETE BRICK, OTHER	ORIGINAL 15 78.9 1 5.3 0 0.0 0 0.0 0 0.0 0 0.0 1 5.3 1 5.3 0 0.0 0 0.0	ADD1 11 84.6 0 0.0 0 0.0 1 7.7 0 0.0 0 0.0 1 7.7 0 0.0 0 0.0 1 7.7 0 0.0 0 0.0	ADD2 9 100.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0	ADD3 4 100.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0	TEMP1 0 0.0 3 50.0 2 33.3 0 0.0 0 0.0 1 16.7 0 0.0 0 0.0 0 0.0 0 0.0	TEMP2 0 0.0 2 66.7 1 33.3 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0	TEMP3 0 0.0 1 100.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0	
BRICK, OTHER BRICK, WOOD, METAL BRICK, WOOD, CONCRETE BRICK, METAL, CONCRETE BRICK, STONE, CONCRETE BRICK, WOOD, METAL, CONCRETE ALL OTHER COMBINATIONS NO RESPONSE						0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 3 100.0	0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 1 100.0	142

# NUMBER AND PERCENTAGE OF BUILDINGS OF COMBINED SCHOOLS IN EAST TENNESSEE USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQ	UIPMENT	and the second second		en e			e de la versión de la companya de l La companya de la companya de
AAN AAN WAX WAX AND	ORIGINAL	ADD1	A002	A003 3 75.0	TEMP1 1 16.7	TEHP2	TEMP3
JUST CENTRAL	16 84.2	10 76.9	6 66.7 0 0.0	1 25.0	5 83.3	3 100.0	1 100.0
JUST SPACE	1 5.3	0 0.0	1 11.1	0 0.0	0 0.0	0.0	0.0.0
CENTRAL & SPACE	1 5.3	1 7.7	2 22.2	0 0.0	0 0.0	0 0.0	0 0.0
NO RESPONSE	1 5.3	2 15.4	9 100.0	4 100.0	6 100.0	3 100.Q	1 100.0
TOTAL	19 100.0	13 100.0	, ,,,,,,				
	* • •						
Simple Commencer			•				
:	:						
COOLING EC	WIPHENT			ara gh. Na			
	ORIGINAL	ADD1	ADD2	ADD3	TEMP1	TEMP2	TEMP3 0 0.0
MAT PENTOAL	0 0.0	0 0.0	0.0	0 0.0	2 33.3	1 33.3	1 100.0
JUST CENTRAL JUST WINDOW UNIT	3 15.8	2 15.4	1 11.1	1 25.0	1 16.7	1 33.3	0 0.0
CENTRAL & WINDOW	0 0.0	0 0.0	0 0.0	0 0.0	0.0.0	1 33.3	0 0.0
NO MECHANICAL	16 84.2	11 84.6	8 88.9	3 75.0	3 50.0 6 100.0	3 100.0	1 100.0
TOTAL	19 100.0	13 100.0	9 100.0	4. 100.0	6 100.0	The second section and the	
WIND	OW UNIT COOLING		•				
	00 20 1 H Å l	ADD1	. ADD2	AD03	TEMP1	TEMP2	TEHP3
<b>_</b>	ORIGINAL	0 0.0	0 - 0.0	0. 0.0 12	0.0.0	0.0	0 0.0
ALL ROOMS	1 33.3	1 50.0	0 0.0	1 100.0	0 ,0.0	0.0	0 0.0
SELECTED ROOMS	1 33.3	1 50.0	1 100.0	0 0.0	1 100.0	1 100.0	1 100.0
NO RESPONSE	3 100.0	2 100-0	1 100.0	1 100.0	1 100.0	1 100.0	I tonia
TOTAL	3 10010			100000000000000000000000000000000000000			
ı		٠				•	
	ı			•	* *	e de la companya della companya della companya de la companya della companya dell	
LIGHTING	ECUTPMENT						
		4001	AD02	ADD3	TEMP1	TEMP2	TEMP3
_	ORIGINAL	ADD1 7 53.4	7 77.8	1 25.0	1 16.7	0 0.0	0 0.0
INCANDE SCENT	10 52.6	, ,,,,	2 22.2	3 75.0	5 83.3	3 100.0	1 100.0
FLUORESCENT	8 42.1	6 40.2 0 0.0	0 0.0	. 0 0.0	0.0	0 0.0	0 0.0
BOTH	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
OTHER	1 5.3 0 0.0	0 0.0	0 0.0	0 0.0	0.0	0 0.0	. 0 . 0.0
NO RESPONSE	0 0.0 19 100.0	13 100.0	9 100.0	4 . 100.0	6 100.0	3 100.0	1 100.0
TOTAL	12 10010	इ.स. इंडर्टर					
1.27					the state of the s		



NUMBER AND PERCENTAGE OF COMBINED SCHOOLS IN EAST TENNESSEE IN USING SPECIFIED SOURCES OF WATER SUPPLY.

WATER UTILITY PUMP ON PROPERTY OTHER (WELLS, ETC.) NO RESPONSE TOTAL	NUMBE 11 6 0 19	57.9 3 42.1 0.0 0.0	
IUIAL	. 47	, ,,,,,,,	102 202 302 402 502 602 702 802 902 1002

NUMBER AND PERCENTAGE OF PRINCIPALS OF COMBINED SCHOOLS IN EAST TENNESSEE EXPRESSING SPECIFIED FACILITY NEEDS

MAINTENANCE CCNSTRUCTION BOTH NEITHER (INCLUDING NC RESPONSE)	NUMBER 10 9 0	9ERCENTAGE 52.6. 47.4 0.0 0.0	************************************
TOTAL	19	100.0.	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

PLANT PROFILES: COMBINED SCHOOLS IN EAST TENNESSEE.

	CRITERION	Al	DEQUATE	SUBSTANDARD			
	9031E03807	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE		
1.	ENROLLMENT/CAPACITY RATIO <= 1	11	61.1	7	38.9		
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	. 17	89.5	2	10.5		
3.	MEETS NATIONAL SITE SIZE STANDARDS	0	0.0	16	100.0		
1	ORIGINAL BUILDING 30 YRS OLD OR LESS	5	27.8	13	72.2		
5.	NO TEMPORARY STRUCTURES	12	63.2	7	36.8		
6.	NO BASEMENT USED FOR INSTRUCTION	16	84.2	3	15.8		
7,	NO BUILDING OF WOOD EXCLUSIVELY	15	78.9	4	21.1		
8.	CENTRAL HEATING IN ORIGINAL BUILDING	17	89.5	. 2	10.5		
	CENTRAL AIR OR ALL WINDOW UNITS	1	5.3	14	73.7		
10.	COMPLETE FLUORESCENT LIGHTING	7	36.8	8	42.1		
11.	USE OF WATER UTILITY	11,	57.9	8	42.1		
	MEETS 7 OF 11 OF ABOVE CRITERIA	6	31.6	. 1	5.3		

### SECTION 4

SCHOOL PLANT DATA FOR TENNESSEE SCHOOLS CATEGORIZED BY SIZE, ORGANIZATIONAL LEVEL, AND TYPE OF SYSTEM

#### THE DATA CATEGORIES

Section 2 of this report included a presentation of school plant data pertaining to the category 'all Tennessee schools'. A detailed discussion of questionnaire items and the bases for interpreting responses to these items accompanied this presentation. The reader is urged to refer often to Section 2 for guidance in interpreting material in Section 4 since this section consists primarily of Summary Tables and Data Displays (see explanations below) in twenty-four separate school categories. Figure 4.1 illustrates the construction of these categories, using three sizes, four organizational levels, and two types of school system. (Precise definitions of organizational levels and types of systems are given in Section 1 under "School Classification System".) The figure also contains information on the number of schools in each category that are represented in the survey by usable questionnaires.

(Since no information on current enrollment was included on eight questionnaires, the total number of schools that could be classified for this section of the analysis was 1443.)

Figure 4.1 Number of Survey Respondents in Each of Twenty-Four School Categories

-	COUNTY SYSTEM								CI	ΓY, 7										SYS'	rem				
	Elem		M	ldd.	Le	Sec	one	lary	Co	nbin	ed	$\Box$		31em		M:	<u>idd</u>	le	Sec	cond	lary	Cor	nbir	red	
s	м	L1	S	м	L	s	м	L	s	M	L		S	м	L	S	M	L	S	M	L	s	M	L	
368											5		72	149								2	7	2	
		Tota	1	for	r C	oun	ty:	10	<u> </u>					To	ota	1 :	Eor	Ci	ty,	/Spe	ec.:	39	94	,	

The three sizes are: small-enrollment below 350, medium-350-699, and large-700 and above.





There was a close correspondence between the percentage of Tennessee schools actually located in county and in city/special district systems and the percentage of schools in each of these system types represented in the survey. In the State 73.5 percent of the public schools were in county systems in 1973; 26.5 percent were in city/special district systems. In this survey 72.6 percent of the schools represented were in county systems, and 27.4 percent were in city/special district systems.

The precision with which the survey sample represented the State in terms of proportion of schools in each Grand Division and in each school organizational level was described in Section 3. Unfortunately, there was no readily available means for checking the school size categories to see how representative of the State the survey sample might have been with regard to size.

#### DATA DISPLAYS DEFINED

Section 4 contains twenty-four Data Displays: one for each combination of three size categories, four organizational levels, and two types of school system. As in Section 3 each Data Display consists of statistical summaries for each questionnaire item, and plant profiles which indicate how many and what percentage of the schools in the category were judged 'adequate' or 'substandard' on the basis of twelve specified criteria. For convenience 'adequate' and 'substandard' ratings were combined in a single table even though a school not rated 'adequate' on Criterion 9, 10, or 12 was not necessarily 'substandard'. (Thus summing 'adequate' and 'substandard' ratings for Criterion 9, 10, or 12 may not equal 100 percent.)

The form and order of presentation of figures and tables in the Data Displays of Section 4 are identical to the form and order utilized in Section 3 and almost the same as that used in Section 2.

#### SUMMARY TABLES DEFINED

In order to provide some frame of reference for interpreting the plant profile statistics included in the Data Display for each school category, the Data Displays are preceded in this section by a set of Summary Tables. These tables summarize statistics on each plant profile criterion across all twenty-four school categories. Below each table is a set of reference points for the criterion:

- 1) School category having the highest percentage of 'adequate' plants
- 2) School category having the highest percentage of 'substandard' plants
- 3) Percentage of all Tennessee schools having 'adequate' ratings
- 4) Percentage of all Tennessee schools having 'substandard' ratings.

  In compiling the sets of reference points no percentages were taken from categories containing less than 1 percent of the survey sample, i.e., fewer than 15 respondents, because it was felt that these percentages would be misleading.

Summary Tables 4.12, 4.13, and 4.14 permit broader comparisons than the other tables in Section 4. These tables contain information on Criterion 12, the standard which summarizes all other criteria for 'adequate' and 'substandard' school plants.

### Summary Table 4.12

Summary Table 4.12 contains the information required for a general statement about the adequacy of Tennessee's public school plants categorized by size, organizational level, and type of system. According to ratings on Criterion 12, medium sized middle schools in city/special district systems included the highest percentage (92) of 'adequate' school plants in 1973. The highest percentage (13.3) of 'substandard' plants was found among small combined schools in county systems.



### Summary Table 4.13

Summary Table 4.13 reveals that schools of medium size, i.e., those with an enrollment on September 30, 1972 of 350-699 students, had a greater percentage (68) of 'adequate' plants than did large schools (60.5 percent) or small schools (48.4 percent). The largest percentage (6) of 'substandard' plants was among small schools (enrollment below 350), followed by large schools (4.1 percent). The smallest percentage (2.6) of 'substandard' plants was in the 'medium' size category.

### Summary Table 4.14

The subject of Summary Table 4.14 is a comparison of 'adequate' and 'substandard' school plant ratings by type of school system. City/special district systems proved superior to county systems with regard to percentage of 'adequate' school plants: 75.6 percent to 53.6 percent. County systems, as would be expected, had the greater percentage of 'substandard' plants: 4.8 percent compared to 2.3 percent for city/special district systems.

### USING DATA DISPLAYS AND SUMMARY TABLES

Using three pieces of information: (1) size, (2) organizational level, and (3) type of school system, any public school in Tennessee can be placed in one of the twenty-four data categories utilized in Section 4. Precise definitions of these identifiers appear in Section 1 under "School Classification System".

Once a school has been classified, school plant information on the class to which it belongs may be found in the appropriate Data Display.



(Consult Table of Contents for page number.) Information categories in each Data Display include:

- 1) Number and percentage of schools in the category using specified proportions of school plant capacity
  - 2) Number and percentage of schools that exceed capacity
  - 3) Number and percentage of schools having sites of specified sizes (in acres)
  - 4) Median school site size
  - 5) Number and percentage of schools meeting site size requirements
- 6) Number and percentage of buildings occurring at specified stages of the school life cycle
- 7) Number and percentage of school buildings constructed or added in specified decades, 1840-1973
  - 8) Year of construction of oldest structure
  - 9) Mean year of construction
- 10) Number and percentage of schools having specified numbers of additional and temporary structures
- 11) Number and percentage of buildings using basements for instruction or other programs involving students
- 12) Number and percentage of schools using the basement of some structure for instruction
- 13) Number and percentage of buildings having specified numbers of stories (excluding basement)
- 14) Number and percentage of buildings of two or more stories built before
  - 15) Number and percentage of all wood structures of more than one story
- 16) Number and percentage of buildings using selected exterior construction materials



- 17) Number and percentage of buildings using specified types of heating, cooling, and lighting equipment
  - 18) Number and percentage of schools using specified sources of water supply
  - 19) Number and percentage of principals expressing specified facility needs
- 20) Plant profiles: number and percentage of schools having 'adequate' or 'substandard' plants according to specified criteria

For comparative data on the 'adequate' and 'substandard' plant profiles the reader is urged to refer to the Summary Tables immediately preceding the Data Displays. Here are identified for each of the twelve plant profile criteria: (1) the highest percentage of 'adequate' plants and (2) the highest percentage of 'substandard' plants, among the twenty-four specified categories; and (3) the percentage of 'adequate' and (4) 'substandard' plants for all Tennessee schools (an average).

The number of respondents in the category is printed just below the title of each of the twenty-four Data Displays. All percentages in a given Data Display were calculated on the basis of this number of respondents unless a smaller figure appears as 'Total' for an item. The smaller figures were used to calculate percentages for items on which the response rate was less than 100 percent.

A few of the summary statements appearing below the tables contain a percentage figure that differs slightly from the percentage that is obtained by summing figures in the related table. This discrepancy is due to the rounding of decimal figures in the table.

### PREPARATION AND POSITIONING OF DATA DISPLAYS

In the interests of accuracy and economy, all Data Displays were prepared by an IBM 360/65 computer. Pages produced by the computer were reduced in



size for placement on an 8 1/2" by 11" sheet. Both Summary Tables and Data Display: ere positioned lengthwise on the page to facilitate referral from one to the other.

SUMMARY TABLES



mmary Table 4.1 Percentage of Tennessee Schools in Each of Twenty-Four
Categories Rated 'Adequate' or 'Substandard' According to
Criterion 1 (Enrollment/Capacity ratio less than or equal to 1)

	Organizational	ė.			ting		ŧ
stem Type	Level	Size		Adequate	Substandard		
ounty	Elementary	Small	(368)*	85.4%	14.6%		
we j	**************************************	Medium	(269)	61.0	39.0		
		Large	(78)	38.2	61.8		
	Middle	Small**	(6)	100.0	0.0		
ı	-	Medium	(40)	64.1	35.9	C	Criterion 1 Reference Points
		Large	(46)	48.9	51.1	-	
ı	Secondary	Small	(18)	83.3	16.7	1)	Highest Percentage of Adequate
	·	Medium	(72)	62.9	37.1	-,	Plants: 95.8 (Small Elementary
		Large	(91)	52.7	47.3		Schools in City/Special Systems)
ı	Combined	Small	(15)	92.9	7.1		nemotes an earlief
	* *****	Medium	(41)	60.5	39.5	2)	Highest Percentage of Substandard
		Large**	(5)	20.0	80.0	-/	Plants: 61.8 (Large Elementary
£ .		-	,				Schools in County Systems)
ity/Special	Elementary	Small	(72)	95.8	4.2		Duitograph was assured - A
Trlinkeer-	<b>四四 ****</b>	Medium	(149)	94.5	5.5	3)	Percentage of Adequate Plants for
		Large	(52)	74.5	25.5	3)	All Tennessee Schools: 73.2
: •	Middle	Small**	(5)	100.0	0.0		WIT TOWNSONS SAME
	\$ \$±00 => == '-	Medium	(25)	79.2	20.8	4)	Percentage of Substandard Plants
		Large	(29)	86.2	13.8	7/	for All Tennessee Schools:26.8
	` Secondary	Sma11**	(0)	<del>é.</del>	<del></del>		IOF WIT FARMARAL
	8 · · · · · · · · · · · · · ·	Medium**	(10)	70.0	30.0		
		Large	(41)	82.1	17.9		
	Combined	Sma11**	(2)	100.0	0.0		
	fi in mass sans o- —	Medium**	(7)	57.1	42.9		ı
		Large**	(2)	50.0	50.0		

^{*}Number in parentheses = total number of schools in this category represented in the survey

^{*}Category excluded from consideration in compiling Reference Points since it contains fewer than 15 schools (1 percent of survey respondents)

Summary Table 4.2 Percentage of Tennessee Schools in Each of Twenty-Four Categories Rated 'Adequate' or 'Substandard' According to Criterion 2 (Meets National School Size Standards)

	Organizational	04==			ting Substandard			
System Type	Level	Size		Adequate	Substandard			
County	Elementary	Small	(368)*	14.7%	85.3%			
	•	Medium	(269)	47.6	52.4			
		Large	(78)	0.0	100.0			
	Middle	Small**	(6)	33.3	66.7			
ı		Medium	(40)	100.0	0.0	1	Criterion 2 Reference Points	
4.		Large	(46)	0.0	100.0	-	STEELION 2 RETERENCE TOTALS	
	Secondary	Small	(18)	44.4	55.6	1)	Highest Percentage of Adequate	
	•	Medium	(72)	100.0	0.0	-/	Plants: 100.0 (Medium Middle,	
		Large	(91)	41.8	58.2		Medium Secondary, Medium Combined	
	Combined	Small	(15)	26.7	73.3		Schools in County Systems and	
		Medium	(41)	100.0	0.0		Med. Middle Schools in City/Special	
. •		Large**	(5)	80.0	20.0		Systems)	
City/Special	Elementary	Small	(72)	44.4	55.6	2)	Highest Percentage of Substandard	
• -	•	Medium	(149)	51.7	48.3	4)	Plants: 100.0 (Large Elementary	
		Large	(52)	0.0	100.0		and Large Middle Schools in County	
	Middle	Small**	(5)	40.0	60.0		Systems, and Large Elementary	
		Medium	(25)	100.0	0.0		Schools in City/Special Systems)	
		Large	(29)	6.9	93.1		denote in orey, opecial by brome,	
	Secondary	Small**	(0)	==	e is	3)	Percentage of Adequate Plants for	
		Medium**	(10)	100.0	0.0	ردِ	All Tennessee Schools: 38.8	
		Large	(41)	29.3	· 70.7		17T TOWNEDUCE DOUGHTS . 3414	
	Combined	Small**	(2)	50.0	50.0	4)	Percentage of Substandard Plants	
		Medium**	(7)	100.0	0.0	: 1/	for All Tennessee Schools:61.2	
		Large**	(2)	50.0	50.0		wan simu wasseamaan kassinii Amis	

^{*}Number in parentheses = total number of schools in this category represented in the survey

^{**}Category excluded from consideration in compiling Reference Points since it contains fewer than 15 schools (1 percent of survey respondents)

Summary Table 4.3 Percentage of Tennessee Schools in Each of Twenty-Four Categories Rated 'Adequate' or 'Substandard' According to Criterion 3 (Meets National Site Size Standards)

	Organizational				ting	<del></del>	
System Type	Level	Size		Adequate	Substandard	<del>_</del>	, v
County	Elementary	Small	(368)*	13.2%	86.8%		
Councy		Medium	(269)	19.2	80.8		
		Large	(78)	20.0	80.0		
	Middle	Small**	(6)	0.0	100.0		
		Medium	(40)	12.8	87.2	(	riterion 3 Reference Points
		Large	(46)	19.6	80.4	-	
	Secondary	Small	(18)	0.0	100.0	1)	Highest Percentage of Adequate
	<b>***</b>	Medium	(72)	6.9	93.1	-,	Plants: 26.6 (Medium Elementary
		Large	(91)	25.0	75.0		Schools in City/Special Systems)
	Combined	Small	(15)	0.0	100.0		
	00002112-	Medium	(41)	2.6	97.4	2)	Highest Percentage of Substandard
		Large**	(5)	20.0	80.0	-,	Plants: 100.0 (Small Secondary and Small Combined Schools in
Alt. /Canada1	Elementary	Small	(72)	14.1	85.9		County Systems)
City/Special	premeurary	Medium	(149)	26.6	73.4		County Systems,
		Large	(52)	19.6	80.4	3)	Percentage of Adequate Plants for
	Middle	Small**	(5)	0.0	100.0	3/	All Tennessee Schools: 16.2
	WTOOTE	Medium	(25)	20.8	79.2		UTT Terminopon agreement to hear
		Large	(29)	10.7	89.3	4)	Percentage of Substandard Plants
	Secondary	Sma11**	(0)	==	<del>po és</del>	4)	for All Tennessee Schools:83.8
	pecondary	Medium**	(10)	0.0	100.0		IOI WIT TAMAGAAA SAASSA
	į.	Large	(41)	12.5	87.5		
	Combined	Small**	(2)	0.0	100.0		
	CÔMOTICEA	Medium**	(7)	0.0	100.0		
		Large**	(2)	0.0	100.0		

^{*}Number in parentheses = total number of schools in this category represented in the survey

^{**}Category excluded from consideration in compiling Reference Points since it contains fewer than 15 schools (1 percent of survey respondents)



J.S.

Summary Table 4.4 Percentage of Tennessee Schools in Each of Twenty-Four Categories Rated 'Adequate' or 'Substandard' According to Criterion 4 (Original Building thirty years old or less)

System Type	Organizational Level	Size			ting Substandard	<b>.</b>	
County	Elementary	Small Medium	(368)* (269)	59.7% 66.2	40.3% 33.8		
	Middle	Large Small** Medium	(78) (6) (40)	71.8 16.7 64.1 69.6	28.2 83.3 35.9 30.4	<u>0</u>	riterion 4 Reference Points
	Secondary	Large Small Medium	(46) (18) (72)	70.6 75.7 75.3	29.4 24.3 24.7	1)	Highest Percentage of Adequate Plants: 82.1 (Large Middle Schools in City/Special Systems)
·	Combined	Large Small Medium Large**	(91) (15) (41) (5)	42.9 30.8 20.0	57.1 69.2 80.0	2)	Highest Percentage of Substandard Plants: 69.2 (Medium Combined
City/Special	Elementary	Small Medium	(72) (149) (52)	47.2 65.3 70.6	52.8 34.7 29.4	3)	Schools in County Systems)  Percentage of Adequate Plants for All Tennessee Schools: 63.2
	Middle	Large Small** Medium Large	(5) (25) (29)	20.0 52.0 82.1	80.0 48.0 17.9	4)	Percentage of Substandard Plants for All Tennessee Schools:36.8
	Secondary	Small** Medium**	(0) (10) (41)	70.0 70.7	30.0 29.3		
	Combined	Large Small** Medium** Large**	(2) (7) (2)	0.0 0.0 0.0	100.0 100.0 100.0		

^{*}Number in parentheses = total number of schools in this category represented in the survey

^{**}Category excluded from consideration in compiling Reference Points since it contains fewer than 15 schools (1 percent of survey respondents)



Summary Table 4.5 Percentage of Tennessee Schools in Each of Twenty-Four Categories Rated 'Adequate' or 'Substandard' According to Criterion 5 (No Temporary Structures)

Organizational System Type Level Size  Rating Adequate Substandard  County  Elementary  Medium (269)  Large (78)  Small** (6)  Medium (40)  Medium (40)  Large (46)  Sall** (63.0  Secondary  Small (18)  Secondary  Small (18)  Medium (72)  Secondary  Small (72)  Secondary  Rating  Adequate Substandard  16.3%  16.3%  16.3%  16.3%  16.3%  16.3%  16.3%  16.3%  17.5  17.5  18.3%  Criterion 5 Reference Pounce Po	
System Type Level Size Adequate Substandard  County Elementary Small (368)* 83.7% 16.3%  Medium (269) 76.2 23.8  Large (78) 55.1 44.9  Middle Small** (6) 100.0 0.0  Medium (40) 82.5 17.5  Large (46) 63.0 37.0  Secondary Small (18) 94.4 5.6  1) Highest Percentage of	
Medium (269) 76.2 23.8 Large (78) 55.1 44.9  Middle Small** (6) 100.0 0.0  Medium (40) 82.5 17.5  Large (46) 63.0 37.0  Secondary Small (18) 94.4 5.6  1) Highest Percentage of	
Medium (269) 76.2 23.8 Large (78) 55.1 44.9  Middle Small** (6) 100.0 0.0  Medium (40) 82.5 17.5  Large (46) 63.0 37.0  Secondary Small (18) 94.4 5.6  1) Highest Percentage of	
Middle Small** (6) 100.0 0.0  Medium (40) 82.5 17.5  Large (46) 63.0 37.0  Secondary Small (18) 94.4 5.6  1) Highest Percentage of	
Medium (40) 82.5 17.5  Large (46) 63.0 37.0  Secondary Small (18) 94.4 5.6  1) Highest Percentage of	
Large (46) 63.0 37.0 Criterion 5 Reference For Secondary Small (18) 94.4 5.6 1) Highest Percentage of	
Large (46) 63.0 37.0 Secondary Small (18) 94.4 5.6 1) Highest Percentage of	ints
1) Highest rescentage of	
	Adequate
[ ]	
Large (91) 68.1 31.9 Schools in County Syst	
Combined Small (15) 93.3 6.7	/
Medium (41) 70.7 29.3 2) Highest Percentage of	Substandaro
Large** (5) 60.0 40.0 Plants: 44.9 (Large E	lementary
City/Special Elementary Small (72) 91.7 8.3 Schools in County Syst	ema)
orty/special diemenesty of 100	D1amea fai
) Percencage of Adequate	
Large (52) 73.1 26.9 All Tennessee Schools: Middle Small** (5) 80.0 20.0	/0.0
111015	and Dianta
4) rercentage of publication	aru riance
Large (29) 89.7 10.3 for All Tennessee Scho	018:51.5
Medium** (10) 90.0 10.0	
Large (41) 80.5 19.5	
Combined Small** (2) 50.0 50.0	
Medium** (7) 85.7 14.3	
Large** (2) 0.0 100.0	
патер (~/	1

^{*}Number in parentheses = total number of schools in this category represented in the survey

^{**}Category excluded from consideration in compiling Reference Points since it contains fewer than 15 schools (1 percent of survey respondents)



Summary Table 4.6 Percentage of Tennessee Schools in Each of Twenty-Four
Categories Rated 'Adequate' or 'Substandard' According to
Criterion 6 (No Basement used for Instruction)

							en e	The Mary
	Organizational			Ra	ting		•	
<b>System</b> Type	Level	Size		Adequate		The Secretary	. "	1 1 1
	e1	n11	/260\+	81.5%	18.5%		•	
County	Elementary	Small	(368)* (269)	75.1	24.9			
		Medium	(78)	82.1	17.9			4
1. 1. 1. 1.		Large Small**	(6)	83.3	16.7			
	Middle	Medium	(40)	60.0	40.0		Criterion 6 Reference Points	
:		Large	(46)	78.3	21.7		Criterion o Reference rother	<u> </u>
	Secondary	Small	(18)	72.2	27.8		1) Highest Percentage of Adec	nuate
	secondary	Medium	(72)	77 <b>.</b> 8	22,2		Plants: 82.1 (Large Eleme	-
;		Large	(91)	74.7	25.3		Schools in County Systems	
	Combined	Small	(15)	46.7	53.3		pomoded the ordered aleaders	ايفين در ادر
Rose as	AAMATIICA	Medium	(41)	68.3	31.7		2) Highest Percentage of Sub-	standard
5 .	•	Large**	(5)	40.0	60.0		Plants: 53.3 (Small Comb Schools in County Systems)	ined
City/Special	Elementary	Small	(72)	79.2	20.8			
ore), process	GT öméirana 1	Medium	(149)	78.5	21.5		3) Percentage of Adequate Pla	ants for
		Large	(52)	78.8	21.2		All Tennessee Schools: 70	
<del>र्क</del> न ·	Middle	Small**	(5)	40.0	60.0	7	A STATE OF THE STA	- New York
		Medium	(25)	80.0	20.0		4) Percentage of Substandard	Plants
		Large	(29)	62,1	37.9		for All Tennessee Schools	: 23.3
	Secondary	Small**	(0)		<del>-</del> -			
	•	Medium**	(10)	80.0	20.0			
		Large	(41)	70.7	29.3			
	Combined	Small**	(2)	100.0	0.0			
i.		Medium**	(7)	85.7	14.3			
		Large**	(2)	50.0	50.0			

^{*}Number in parentheses = total number of schools in this category represented in the survey

^{**}Category excluded from consideration in compiling Reference Points since it contains fewer than 15 schools (1 percent of survey respondents)

Summary Table 4.7 Percentage of Tennessee Schools in Each of Twenty-Four Categories Rated 'Adequate' or 'Substandard' According to Criterion 7 (No Building of Wood Exclusively)

	Organizational	i ig		Ra	ting			
S <b>y</b> stem Type	Leve1	Size	,	Adequate	Substandard			
County	Elementary	Small	(368)*	89.4%	10.6%		ø	
	•	Medium	(269)	94.1	5.9		,	ŧ
		Large	(78)	88.5	11.5			
	Middle	Small**	(6)	100.0	<b>0.0</b>			
		Medium	(40)	95.0	5.0	·Bj	(	Criterion 7 Reference Points
		Large	(46)	93.5	· 6.5	1020	•	
5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Secondary	Small	(18)	100.0	0.0		1)	Highest Percentage of Adequate
E" '	<b>,</b>	Medium	(72)	100.0	0.0			Plants: 100.0 (Small and Medium
Brija. <del>Burgarap</del> unari m Pija.	And the second	Large	(91)	89.0	11.0			Secondary Schools in County Systems
Marian Marian Marian	Combined	Small	(15)	86.7	13.3			Medium Middle Schools in City/
1 . g. () e e	<u> </u>	Medium	(41)	95.1	4.9			Special Systems)
6.79 6.79 6.79 6.79		Large**	(5)	60.0	40.0			
E (a		<b>₩</b>	, , ,				2)	Highest Percentage of Substandard
City/Special	Elementary	Small	(72)	95.8	4.2		·	Plants: 13.3 (Small Combined
	•	Medium	(149)	94.0	6.0			Schools in County Systems)
	÷	Large	(52)	88.5	11.5			
	Middle	Small**	(5)	100.0	0.0		3)	Percentage of Adequate Plants for
		Medium	(25)	100.0	0.0		·	All Tennessee Schools: 92.6
		Large	(29)	93.1	6.9			•
	Secondary	Small**	(0)	==	<b>=</b>		4)	Percentage of Substandard Plants
	•	Medium**	(10)	100.0	0.0			for All Tennessee Schools: 7.4
		Large	(41)	95.1	4.9			
5. 5.	Combined	Small**	(2)	100.0	0.0			
27 8		Medium**	(7)	100.0	0.0			
S Section 12 Section 12 Section 12		Large**	(2)	100.0	0.0			

^{*}Number in parentheses = total number of schools in this category represented in the survey

^{**}Category excluded from consideration in compiling Reference Points since it contains fewer than 15 schools (1 percent of survey respondents)



Categories Rated 'Adequate' or 'Substandard' According to
Criterion 8 (Central Heating in Original Building)

System Type	Organizational Level	Size			ting Substandard	<del>i</del>	
County	Elementary	Small Medium	(368)* (269)	82.6% 93.7	17.4% 6.3	<del></del>	
Wis Control of the Co	w.111.	Large Small**	(78) (6)	85.9 100.0	14.1		,
	Middle	Medium	(40)	90.0 95.7	10.0 4.3	<u>(</u>	riterion 8 Reference Points
67 19 10 10 10 10 10 10 10 10 10 10 10 10 10	Secondary	Large Small Medium	(46) (18) (72)	100.0 90.3	0.0 9.7	1)	Highest Percentage of Adequate Plants: 100.0 (Small Secondary
7. T.	Combined	Large Small	(91) (15)	95.6 86.7	4.4 13.3		Schools in County Systems)
		Medium Large**	(41)	82.9 100.0	17.1 0.0	. <u>2</u> ).	Highest Percentage of Substandard Plants: 17.4 (Small Elementary Schools in County Systems)
City/Special	Elementary	Small Medium	(72) (149)	95.8 88.6	4.2 11.4	۵۱	
i i i i i i i i i i i i i i i i i i i	241 1 11 .	Large	(52)	92.3 100.0	7.7 0.0	3)	All Tennessee Schools: 89.5
	Middle	Small** Medium	(5) (25)	88.0 96.6	12.0 3.4	4)	Percentage of Substandard Plants
	Secondary	Large Small** Medium**	(29) (0) :(10)	90.0	10.0	ŧ	for All Tennessee Schools:10.5
	0-11-1	Large	(41)	90.2 50.0	9.8 50.0		
•	Combined	Small** Medium** Large**	(2) (7) (2)	85.7 100.0	14.3 0.0		

^{*}Number in parentheses = total number of schools in this category represented in the survey

^{**}Category excluded from consideration in compiling Reference Points since it contains fewer than 15 schools (1 percent of survey respondents)



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mmary Table 4.9 Percentage of Tennessee Schools in Each of Twenty-Four Categories Rated 'Adequate' or 'Substandard' According to Criterion 9 (Central Air or all Window Units)

9 A						<b>=</b> .	· · · · · · · · · · · · · · · · · · ·
	Organizational			Ra	ting	<del></del>	
østem Type	Level	Size		Adequate	Substandard		
ounty	Elementary	Small	(368)*	15.8%	69.0%		
) 	22-2	Medium	(269)	20.1	54.6		
	i	Large	(78)	28.2	41.0		
	Middle	Small**	(6)	16.7	66.7		
		Medium	(40)	32.5	55.0	(	Criterion 9 Reference Points
2 1 2 2 3 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	: 	Large	(46)	47.8	37.0		en a marie des descriptions de provinciones lors de descriptions principales acceptables de conservation à re-
<b>.</b>	Secondary	Small	(18)	22.2	55.6	1)	Highest Percentage of Adequate
Marie ( de la Marie de la casa de la de la casa de la c		Medium	(72)	22.2	41.7		Plants: 55.2 (Large Middle School
		Large	(91)	42.9	29.7		in City/Special Systems)
<i>y</i> : -	Combined	Small	(15)	6.7	80.0		
er G		Medium	(41)	17.1	48.8	2)	Highest Percentage of Substandard
Tools Notice of the second of the second Management of the second of the		Large**	(5)	0.0	60.0	-,	Plants: 80.0 (Small Combined
. <i>le</i> 1-1	77	Small	(72)	12.5	79.2		Schools in County Systems)
ity/Special	Elementary	Medium	(149)	24.8	49.7	41	Description of Adamsto Plents for
V.		Large	(52)	25.0	48.1	3)	Percentage of Adequate Plants for
ř:	w 111 .	Small**	(5)	0.0	40.0		All Tennessee Schools: 23.6
	Middle	Medium	(25)	28.0	64.0		n Cut-tondowd Dlonte
		Large	(29)	55.2	34.5	4)	Percentage of Substandard Plants
in a second seco	A1xm;	Small**	(0)	· <del></del>	<del></del>		for All Tennessee Schools: 54.0
	Secondary	Medium**	(10)	40.0	30.0		
ř		Large	(41)	36.6	24.4		
4.	Combined	Small**	(2)	50.0	50.0		•
	Comprised	Medium**	(7)	14.3	42.9	,ı	
6.5 14. 8.4 3.4		regrow	(2)	50.0	50.0		
*		nar 8e	(2)			*:## <b>=</b>	

^{*}Number in parentheses = total number of schools in this category represented in the survey

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Summary Table 4.10 Percentage of Tennessee Schools in Each of Twenty-Four Categories Rated 'Adequate' or 'Substandard' According to Criterion 10 (Complete Fluorescent Lighting)

	Organizational			Ra	ting		
System Type	Level	Size		Adequate	Substandard		
County	Elementary	Small	(368)*	38.6%	47.0%		
•	, deli	Medium	(269)	50.6	24.2		
	* .	Large	(78)	61.5	12.8		
ř	Middle	Small**	(6)	33.3	33.3	,	
•		Medium	(40)	67.5	15.0	(	Criterion 10 Reference Points
		Large	(46)	71.7	10.9	•	
	Secondary	Small	(18)	50.0	<b>27.8</b>	1)	Highest Percentage of Adequate
	•	Medium	(72)	56.9	23.6		Plants: 86.2 (Large Middle
•		Large	(91)	73.6	8.8		Schools in City/Special Systems)
	Combined	Small	(15)	40.0	33.3		, , , , , , , , , , , , , , , , , , , ,
		Medium	(41)	31.7	26.8	2)	Highest Percentage of Substandard
á		Large**	(5)	20.0	20.0	,	Plants: 47.0 (Small Elementary Schools in County Systems)
City/Special	Elementary	Small	(72)	72.2	19,4		
		Medium	(149)	75.8	13.4	3)	Percentage of Adequate Plants for
		Large	(52)	75.0	11.5	9/	All Tennessee Schools: 56.9
dar i	Middle	Small**	(5)	80.0	20.0	1	
		Medium	(25)	72.0	20.0	4)	Percentage of Substandard Plants
		Large	(29)	86.2	6.9	77	for All Tennessee Schools: 25.4
	Secondary	Small**	(0)		<b>~−</b>		
	•	Medium**	(10)	50.0	20.0		
		Large	(41)	85.4	9.8		
	Combined	Small**	(2)	50.0	50.0		
	¥	Medium**	(7)	28,6	57.1		
		Large**	(2)	50.0	0.0		

^{*}Number in parentheses = total number of schools in this category represented in the survey

^{**}Category excluded from consideration in compiling Reference Points since it contains fewer than 15 schools (1 percent of survey respondents)

ummary Table 4.11 Percentage of Tennessee Schools in Each of Twenty-Four
Categories Rated 'Adequate' or 'Substandard' According to
Criterion 11 (Use of Water Utility)

County   Elementary	± '
Middle Small** (6) 100.0 0.0 Criterion 11 Reference Polarge (46) 100.0 0.0 Criterion 11 Reference Polarge (46) 100.0 0.0 Criterion 11 Reference Polarge (46) 100.0 0.0 Secondary Small (18) 72.2 27.8 1) Highest Percentage of A Medium (72) 95.8 4.2 Plants: 100.0 (Med. an Large (91) 98.9 1.1 Middle Schools in Count Small (15) 66.7 33.3 and all city schools) Medium (41) 73.2 26.8 Large** (5) 80.0 20.0 2) Highest Percentage of S Plants: 40.2 (Small El Medium (149) 100.0 0.0 Schools in County System Medium (149) 100.0 0.0 Schools in County System Medium (149) 100.0 0.0 All Tennessee Schools: Medium (25) 100.0 0.0 All Tennessee Schools: Medium (25) 100.0 0.0 M	
Medium	
Large   (46)   100.0   0.0	leto
Secondary   Small   (18)   72.2   27.8   1)   Highest Percentage of A	<u>.m.o</u>
Large	lequate I Large
Combined Small (15) 66.7 33.3 and all city schools)  Medium (41) 73.2 26.8  Large** (5) 80.0 20.0 2) Highest Percentage of S  Plants: 40.2 (Small El  City/Special Elementary Small (72) 100.0 0.0 Schools in County Syste  Medium (149) 100.0 0.0  Large (52) 100.0 0.0 3) Percentage of Adequate  Middle Small** (5) 100.0 0.0 All Tennessee Schools:  Medium (25) 100.0 0.0  Large (29) 100.0 0.0 4) Percentage of Substanda  Secondary Small** (0) for All Tennessee School  Medium** (10) 100.0 0.0	y Systems,
Medium	
City/Special Elementary Small (72) 100.0 0.0 Schools in County System    Medium (149) 100.0 0.0	
City/Special Elementary Small (72) 100.0 0.0 Schools in County System (149) 100.0 0.0	ementary
Medium (149) 100.0 0.0  Large (52) 100.0 0.0 3) Percentage of Adequate  Middle Small** (5) 100.0 0.0  Medium (25) 100.0 0.0  Large (29) 100.0 0.0  Large (29) 100.0 0.0  Secondary Small** (0) for All Tennessee School  Medium** (10) 100.0 0.0	18)
Middle       Small**       (5)       100.0       0.0       All Tennessee Schools:         Medium       (25)       100.0       0.0       4)       Percentage of Substanda         Large       (29)       100.0       0.0       4)       Percentage of Substanda         Secondary       Small**       (0)         for All Tennessee Schools:         Medium**       (10)       100.0       0.0       0.0	
Medium (25) 100.0 0.0  Large (29) 100.0 0.0 4) Percentage of Substanda  Secondary Small** (0) for All Tennessee School  Medium** (10) 100.0 0.0	lants for
Large (29) 100.0 0.0 4) Percentage of Substanda  Secondary Small** (0) for All Tennessee School  Medium** (10) 100.0 0.0	86.7
Secondary Small** (0) for All Tennessee Schoo	ed Plants
Medium** (10) 100.0 0.0	le: 13.3
ricultum (asy)	FD. TO.D
ΤΑΡΛΑ (ΔΙ) ΙΝΟΙΟ VIV	
Large (41) 100.0 0.0 Combined Small** (2) 100.0 0.0	
Medium** (7) 100.0 0.0	
Large** (2) · 100.0 0.0	

^{*}Number in parentheses = total number of schools in this category represented in the survey

^{**}Category excluded from consideration in compiling Reference Points since it contains fewer than 15 schools (1 percent of survey respondents)

Summary Table 4.12 Percentage of Tennessee Schools in Each of Twenty-Four Categories Rated 'Adequate' or 'Substandard' According to Criterion 12 (Meets 7 of 11 of above criteria)

rganizational Level	Size				_	
Elementary	Small Medium	(368)* (269)	42.7% 58.7	7.3% 3.7		
Middle	Large Small**	(78) (6)	48.7 66.7 67.5	0.0	C	Criterion 12 Reference Points
Secondary	Medium Large Small	(40) (46) (18)	58.7 55.6	6.5 0.0	1)	Highest Percentage of Adequate
·	Medium Large	(72) (91)	81.9 62.6	1.4 3.3		Plants: 92 (Medium Middle Schools in City/Special Systems)
Combined	Small Medium Large**	(15) (41) (5)	40.0 43.9 20.0	0.0	2)	Highest Percentage of Substandard Plants: 13.3 (Small Combined Schools in County Systems)
Elementary	Small	(72)	76.4	0.0		
A STATE OF THE STA	Medium Large	(149) (52)	80.5 55.8	3.8	3)	Percentage of Adequate Plants for All Tennessee Schools: 59.5
Middle	Small** Medium Large	(5) (25) (29)	40.0 92.0 82.8	0.0 4.0 6.9	4)	Percentage of Substandard Plants for All Tennessee Schools: 4.1
Secondary	Small** Medium ^{**}	(0) (10)	80.0	0.0		
Combined	Large Small** Medium**	(41) (2) (7)	/8.0 50.0 57.1	0.0 0.0 14.3		
	Elementary Middle Secondary Combined Elementary Middle Secondary	Level Size  Elementary Small Medium Large  Middle Small** Medium Large  Secondary Small Medium Large  Combined Small Medium Large**  Elementary Small Medium Large**  Elementary Small Medium Large  Middle Small** Medium Large  Secondary Small** Medium Large  Secondary Small** Medium Large  Secondary Small** Medium Large  Secondary Small** Medium** Large	Elementary	Elementary	Level   Size   Adequate   Substandard	Size   Adequate   Substandard

^{*}Number in parentheses = total number of schools in this category represented in the survey

^{**}Category excluded from consideration in compiling Reference Points since it contains fewer than 15 schools (1 percent of survey respondents)



Summary Table 4.13 Number and Percentage of Small, Medium and Large Schools Rated 'Adequate' or 'Substandard' According to Criterion 12 (Meets 7 of 11 of Above Criteria)

	Small		Med	ium	Large	
		Substandard	Adequate	Substandard	Adequate	Substandard
Number	235	29	417	16	208	14
Percentage	48.4%	6.0%	68.0%	2.6%	60.5%	4.1%

Summary Table 4.14 Number and Percentage of Tennessee Schools in County and City/Special Systems
Rated 'Adequate' or 'Substandard' According to Criterion 12 (Meets 7 of 11 of
Above Criteria)

	Cour	1 <b>2V</b> -	<u>City/Special</u> Adequate Subs			
÷	Adequate	Substandard	Adequate	Substandard		
Number	562	50	298	9		
Percentage	53.6%	4.8%	75.6%	2.3%		

DATA DISPLAYS



DATA DISPLAY 4.1

SMALL ELEMENTARY SCHOOLS IN COUNTY SYSTEMS

368 RESPONDENTS

NUMBER AND PERCENTAGE OF SMALL ELEMENTARY SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROLI	MENT/CAPACITY	NUMBER	PERCENTAGE	•
	RATIO			[****
ABOVĒ	0.0- 0.5	31	8.6	• •
ABOVĒ	0.5- 0.8	130	35.9	· · · · · · · · · · · · · · · · · · ·
ABCVE	0.8- 1.0	148	40.9	***********
ABOVE	1.0- 1.5	· 52	14.4	*****
ABCVE	1.5- 2.0	Ō	0.0	ł
ABCVE	2.0-13.0	1	0.3	
	TOTAL	362	100.0	귳긛앀괱흕퍞퓩둮둮퓩큳쯗궦졲톲췙윉콯쑴삠쵞춖퍞줨퍞쉳둦뒢옾춖쓷뽰묲묲묲뱦돲æ뚕춖캶캮돧퍝特뚕읩뺭뛖
	IUIAL	302		101 201 301 401 501 601 701 801 901 1001

SCHOOLS THAT EXCEED CAPACITY: 53

14.61

NUMBER AND PERCENTAGE OF SHALL ELEMENTARY SCHOOLS IN COUNTY SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

MEDIAN SCHOOL SITE SIZE IS 5 ACRES

NUMBER AND PERCENTAGE OF SHALL ELEMENTARY SCHOOLS IN COUNTY SYSTEMS MEETING SITE SIZE REQUIREMENTS: 47 13.2%



## NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL ELEMENTARY SCHOOLS IN COUNTY SYSTEMS OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

ÖĞĞBILITIĞ MI EL	# T E											
AGE (IN YEARS) 60 OR OVER 40- LESS THAN 60 20- LESS THAN 40 LESS THAN 20 TOTAL	ORIGINAL 6 1.7 80 22.9 163 46.6 101 28.9 350 100.0	1 7 66 4 85 5	ADD1 0.6 1 4.4 4 41.5 21 53.5 67 00.0 93	ADD2 1.1 4.3 22.6 72.0 100.0	0 0 5 22 27	ADD3 0.0 0.0 18.5 81.5 100.0	0 0 0 46 46	TEMP1 0.0 0.0 0.0 100.0	0 0 0 24 24	0.0 0.0 0.0 0.0 100.0	0 0 1 14 15	TEMP3 0.0 0.0 6.7 93.3 100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF SHALL ELEMENTARY SCHOOLS IN COUNTY SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

2	nr t	GINAL		A001		ADDZ		ADD3	_	TEMP1	٨	TEMP2	٨	TEMP3 0.0
AFTER 1840 - 1870 AFTER 1870 - 1880 AFTER 1880 - 1890	0 0 0	0.0 0.0 0.0	0	0.0 0.0 0.0	0	0.0 0.0 0.0	0 0 0	0.0 0.0 0.0 0.0	0 0 0	0.0 0.0 0.0	0	0.0 0.0 0.0 0.0	0 0	0.0 0.0
AFTER 1890 - 1900 AFTER 1900 - 1910 AFTER 1910 - 1920	1 3 22 48	0.3 0.9 6.3 13.7	0 1 1 5	0.0 0.6 0.6 3.1	0 1 0 3	0.0 1.1 0.0 3.2	0	0.0 0.0 0.0	0	0.0 0.0 0.0	0 0 0	0.0 0.0 0.0	0	0.0
AFTER 1920 - 1930 AFTER 1930 - 1940 AFTER 1940 - 1950 AFTER 1950 - 1960	59 79 98	16.9 22.6 28.0	12 35 63	7.5 22.0 39.6	4 9 31	4.3 9.7 33.3	1 3 11	3.7 11.1 40.7	0 0 1 30	0.0 0.0 2.2 65.2	0 0 0 16	0.0 0.0 0.0 66.7	0 1 0 6	0.0 6.7 0.0 40.0
AFTER 1960 - 1970 AFTER 1970 - 1973 TOTAL	36 4 350	10.3 1.1 100.0	37 5 159	23.3 3.1 100.0	35 10 93	37.6 10.8 100.0	12 0 27	44.4 0.0 100.0	15 46	32.6 100.0	8 24	33,3 100,0	15	53.3 100.0

OLDEST STRUCTURE	ORIGINAL	ADD1	ADDZ	ADD3	TEMP1	TEMP2	TEMP3
	1900	1908	1910	1938	1955 .	1962	1949
	1944	1953	1958	1958	1968	1969	1968
OLDEST STRUCTURE MEAN YEAR OF CONSTRUCTION	1			-			

## NUMBER AND PERCENTAGE OF SMALL ELEMENTARY SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

:	· ADDITION	S TEMPO	RARIES
0	169 45.		83.7
Ĭ	135 36.	7 40	10.9
ż	48 13.0	0 15	4.1
3	16 4.	3 5	1.4
TOTAL	368 100.	0 368	100.0

#### NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL ELEMENTARY SCHOOLS IN COUNTY SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

OR I 52	GINAL 14.1	15	ADD1 9.4	8	ADD2 8.6	3	ADD3	0	TEMP1 0.0	0	TEMP2 0.0	ı	TEMP3 6.7	
	קרע <u>ו</u> ת א	12(1.2.1	NG BASEME	NT OF	SONE STRI	UCTURE	FOR INSTI	RUCTION	1	68	18.5%		•	

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL ELEMENTARY SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 318 45 4 1 368	1GINAL 86.4 12.2 1.1 0.3 100.0	135 23 1 0 159	ADD1 84.9 14.5 0.6 0.0 100.0	87 6 0 0 93	AD02 93.5 6.5 0.0 0.0	21 6 0 0 27	AD03 77.8 22.2 0.0 0.0 100.0	46 0 0 0 46	TEMP1 100.0 0.0 0.0 0.0 100.0	23 1 0 0 24	75.8 95.8 4.2 0.0 0.0 100.0	15 0 0 0 15	100.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	13	3.5	2	1.3	' . Ō	0•0	0	0.0	0	0.0	0	0.0	Q	0.0
ALL WOOD STRUCTURES	OF MOR 1	NAHT 31 0.3	ONE STOR O	Y 0.0	0	0.0	′ 0	0.0	0	0.0	1	4.2	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL ELEMENTARY SCHOOLS IN COUNTY SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	0010	TALAI		A001		ADD2		ADD3		TEMPL		TEMP2		TEMP3
	ORIG	1NAL 68.5	112	70.4	59	63.4	16	59.3	i	2.2	1	4.2	. 2	13.3
BRICK			3	1.9	4	4,3	Ō	0.0	14	30.4	7	29.2	2	13.3
WGCD	20	5.4	j	0.5	4	4.3	Ō	0.0	25	54.3	12	50.0	7	46.7
METAL	L	0.3	1	0.6	1	1.1	Õ	0.0	Ō	0.0	0	0.0	O	0.0
STONE	. 8	2.2	12	7.5	1	3.2	1	11.1	Ŏ	0.0	Ō	0.0	0	0.0
CCNCRETE	13	3,5	3	1.9	ì	3,2	í	3.7	Ö	0.0	0	0.0	0	0.0
OTHER	12	0.8	E	3.1	Ő	0.0	ō	0.0	Ō	0.0	0	0.0	0	0.0
BRICK, WOOD	12	3.3	9	0.6	Ō	0.0	Ō	0.0	Ö	0.0	٥	0.0	0	0.0
BRICK, METAL	4	1.1	1		0	0.0	Ŏ	0.0	Ō	0.0	0	0.0	0	0.0
BRICK, STONE		0.8	į.	0.6	Ž	2.2	ì	3,7	Ō	0.0	Ō	0.0	0	0.0
BRICK, CONCRETE	16	4.3	7	2.5	Č.	0.0	Ō	0.0	Õ	0.0	Ō	0.0	Ö	0.0
BRICK, OTHER	,	1.4	7	0.6	0	0.0	Ö	0.0	Ö	0.0	Ō	0.0	0	0.0
BRICK, WOOD, HETAL	1	0.3	- 4	1.3	ų 1	1.1	1	3.7	Õ	0.0	Ō	0.0	Ò	0.0
BRICK, WOCD, CONCRETE	4	1.1	2	1.3	2	2.2	Ô	0.0	Ŏ	0.0	Õ	0.0	Ŏ	0.0
BRICK, METAL, CUNCRETE	8	2.2	2	1.3		0.0	Ō	0.0	Ō	0.0	ō	0.0	Ō	0.0
BRICK, STONE, CONCRETE	1	0.3	0	0.0	.0		0	0.0	Ŏ	0.0	Õ	0.0	Ō	0.0
ERICK, WOOD, METAL, CONCRETE	3	0.8	Ť	0.6	- 4	1.1	1	3.7	,	4.3	2	8.3	ì	6.7
ALL OTHER COMBINATIONS	13	3.5	4	2,5		2.2	i i	14.8	£	8.7	,	8.3	i	20.0
NO RESPONSE	1	0.3	4	2,5	11	11.8	97	100.0	46	100.0	24	100.0	15	100.0
TOTAL	368 1	00.0	159	100.0	93	100.0	21	TAA	70	10010	4.7	7.4.4.A	. **	****

JUST CENTRAL 289 78.5 122 76.7 68 73.1 18 66.7 13 28.3 7 29.2 4  JUST SPACE 61 16.6 22 13.8 13 14.0 5 18.5 27 58.7 15 62.5 8  CENTRAL C SPACE 15 4.1 6 3.8 2 2.2 0 0.0 0 0.0 0 0.0  NO RECORNES 3 0.8 9 5.7 10 10.8 4 14.8 6 13.0 2 8.3 3	
	4P3 5.7 3.3 0.0 0.0
COOLING EQUIPMENT	
ALTATURE BASE	MP3
JUST VENTRAL 7 647 1 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.0 6.7
JUST HINDUM UNIT 63 2210 30 1047	0.0
LENIKAL G HINDUM	3.3
	0.0
WINDOW UNIT COCLING	
ORIGINAL ADD1 ADD2 ADD3 TEMP1 TEMP2 T	NP3
ALL BOOMS 53 63-1 23 74-2 10 76-9 2 100-0 10 66-7 7 87-5 6	5.7
SELECTED ROOMS 24 28.6 6 19.4 1 7.7 0 0.0 1 6.7 0 0.0 0	0.0
NO RESPONSE 7 8.3 2 6.5 2 15.4 0 0.0 4 26.7 1 12.5 1	4.3 0.0
TOTAL 84 100.0 31 100.0 13 100.0 2 100.0 15 100.0 8 100.0 7 1	/•V
LIGHTING EQUIPMENT	
ORIGINAL ADDI ADDO ADDO TEMPI TEMP2 T	NP3
INCANDESCENT 178 48.4 64 40.3 25 26.9 9 33.3 2 4.3 1 4.2 1	6.7
FLUORESCENT 155 42.1 83 52.2 55 59.1 14 51.9 42 91.3 21 87.5 11	3.3
BOTH 6 1.6 2 1.3 1 1.1 0 0.0 0 0.0 0 0.0	0.0
OTHER 30 8.2 3 1.9 3 3.2 0 0.0 0 0.0 0 0.0 0	0.0 0.0
NU KESPUNSE	0.0
TOTAL 368 100.0 159 100.0 93 100.0 27 100.0 46 100.0 24 100.0 15 1	

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## NUMBER AND PERCENTAGE OF SHALL ELEMENTARY SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

WATER UTILITY PUMP ON PROPERTY OTHER (WELLS, ETC.) NO RESPONSE TOTAL	NUMBER 220 140 8 0 368	PERCENTAGE 59.8 38.0 2.2 0.0 100.0	************************************
14 75		•	10% 50% 30% 40% 50% 60% 10% 80% 30% 100%

NUMBER AND PERCENTAGE OF PRINCIPALS OF SHALL ELEMENTARY SCHOOLS IN COUNTY SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

MAINTENANCE CONSTRUCTION BOTH NEITHER (INCLUDING NO RESPONSE) TOTAL	NUMBER 227 114 6 21 368	PERCENTAGE 61.7 31.0 1.6 5.7 100.0	************************************
---------------------------------------------------------------------------------	----------------------------------------	---------------------------------------------------	--------------------------------------

PLANT PROFILES: SMALL ELEMENTARY SCHOOLS IN COUNTY SYSTEMS

easyentāu	Al	DEQUATE	SUBSTANDARD		
CRITERION	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE	
1. ENROLLMENT/CAPACITY RATIO <= 1	309	85.4	53	14.6	
2. HEETS NATIONAL SCHOOL SIZE STANDARDS	54	14.7	314	85.3	
3. MEETS NATIONAL SITE SIZE STANDARDS	47	13.2	309	86.B	
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	209	59.7	141	40.3	
5. NC TEMPORARY STRUCTURES	308	83.7	. 60	16.3	
6. NO BASEMENT USED FOR INSTRUCTION	300	81.5	68	18.5	
7. NO BUILDING OF WOOD EXCLUSIVELY	329	89.4	39	10.6	
B. CENTRAL HEATING IN ORIGINAL BUILDING	304	82.6	64	17.4	
9. CENTRAL AIR OR ALL WINDOW UNITS	58	15.8	254	69.0	
10. COMPLETE FLUORESCENT LIGHTING	142	38.6	173	47.0	
11. USE OF WATER UTILITY	220	59.8	148	40.2	
EETS 7 OF 11 OF ABOVE CRITERIA	157	42.7	27	7.3	
EEIS I OL TE OL MARIE ELLE.				•	

HEDIUM ELEMENTARY SCHOOLS IN COUNTY SYSTEMS

#### 269 RESPONDENTS

NUMBER AND PERCENTAGE OF MEDIUM ELEMENTARY SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROLI	LMENT/CAPACITY			
	RATIO	NUMBER	PERCENTAGE	
ABOVE	0.0- 0.5	Ž	0.7	
ABCVE	0.5- 0.8	33	12.3	*****
ABCVE	0.8- 1.0	129	40.0	+++*******************
ABOVE	1.0- 1.5	98	36.4	*******
ABCVE	1.5- 2.0	6	2.2	<b> </b>
ABOVĒ	2.0-13.0	1	0.4	
	TOTAL	269	100.0	췙궦첉 캶쿅퍞윭쳨쇝믶쫜뚕흕벁혛쓪춖쪞놽춖캶묲쭇떝뺚둮벍둮뒢쮨뫉뚔묲뙆쪞뽰졲뚌뀰뼥æ휶뺚뚔냺컜V귳æV
				101 201 301 401 501 601 701 801 901 1001
SCHÓ	OLS THAT EXCEED	CAPACITY:	105	39.0X

NUMBER AND PERCENTAGE OF MEDIUM ELEMENTARY SCHOOLS IN COUNTY SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRE	S		NUMBER	PERCENTAGE										
O- LESS	THAN	1	0	0.0	1									
1= LFSS		5	39	15.0	*****	*								
5- LESS		10	99	38.1	*****	****	****	***						
10- LESS		20	94	36.2	*****	****	****	**						
20- LESS		30	21	8.1	***									
30- LESS		50	6	2.3	*									
50- LESS		100	1	0.4	1									
TOTA			260	100.0	<b>李字节 # 李章</b>	2 2 <del>2 4 1</del>		# <del> </del>	****	27 7 <del>7</del> 7	****		2255C	*****
	-				101	201	301	401	50 <b>T</b>	607	70%	B0 <b>%</b>	901	1001

MEDIAN SCHOOL SITE SIZE IS 9 ACRES

NUMBER AND PERCENTAGE OF MEDIUM ELEMENTARY SCHOOLS IN COUNTY SYSTEMS MEETING SITE SIZE REQUIREMENTS: 50 19.2%

**

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM ELEMENTARY SCHOOLS IN COUNTY SYSTEMS OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS) 60 OR OVER 40- LESS THAN 60 20- LESS THAN 40 LESS THAN 20 TOTAL	ORIGINAL 11 4.2 34 12.9 122 45.4 96 36.5 263 100.0	ACD1 1 0.6 6 3.5 67 39.0 98 57.0 172 100.0	ADD2 0 0.0 2 1.5 17 13.0 112 85.5 131 100.0	ADD3 0 0.0 0 0.0 4 7.0 53 93.0 57 100.0	TEMP1 0 0.0 0 0.0 1 2.0 49 98.0 50 100.0	TEMP2 0 0.0 0 0.0 0 0.0 22 100.0 22 100.0	TEMP3 0 0.0 0 0.0 0 0.0 20 100.0 20 100.0
--------------------------------------------------------------------------------	----------------------------------------------------	-----------------------------------------------------------	------------------------------------------------------------	--------------------------------------------------------	---------------------------------------------------------	----------------------------------------------------------	----------------------------------------------------------

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM ELEMENTARY SCHOOLS IN COUNTY SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	66			ACD1		ADÓZ		ADD3		TEMPL		TEMPZ		TEMP3
	OR	IGÍNAL			å		٨	. 0.0	0	0.0	Ō	0.0	. 0	0.0
AFTER 1840 - 1870	2	0.8	0	0.0	0	0.0	0	0.0	Ŏ	0.0	Ō	0.0	0	0.0
AFTER 1870 - 1880	1	0.4	0	0.0	0	0.0	0	0.0	Õ	0.0	Ō	0.0	0	0.0
AFTER 1880 - 1890	2	0.8	0	0.0	0	0.0	0	0.0	Õ	0.0	ō	0.0	¢	0.0
AFTER 1890 - 1900	1	0.4	1	0.6	0	0.0	Õ	0.0	Ŏ	0.0	Ō	0.0	0	0.0
AFTER 1900 - 1910	3	1.1	0	0.0	0	0.0 0.0	0	0.0	Ŏ	0.0	Ö	0.0	0	0.0
AFTER 1910 - 1920	9	3.4	ļ	0.6	,	0.0	0	0.0	Ŏ	0.0	0	0.0	0	0.0
AFTER 1920 - 1930	21	8.0	4	2.3		2.3	. 1	1.8	Ď	0.0	Ò	0.0	0	0.0
AFTER 1930 - 1940	42	16.0	11	6.4	. 8	6.1	1	1.8	Ō	0.0	0	0.0	0	0.0
AFTER 1940 - 1950	56	21.3	29	16.9	45	34.4	9	15.8	3	6.0	0	0.0	Ī	5.0
AFTER 1950 - 1960	83	31.6	82	47.7		48.9	37	64.9	33	66.0	12	54.5	11	55.0
AFTER 1960 - 1970	35	13.3	41	23.8	64 10	7.6	9	15.8	14	28.0	10	45.5	8	40.0
AFTER 1970 - 1973	8	3.0	3	1.7	131	100.0	57	100.0	50	100.0	22	100.0	20	100.0
TOTAL	263	100.0	172	100.0	1.31	TOORA	21	FASIA	•	•				

OLOEST STRUCTURE MEAN YEAR OF CONSTRUCTION	ORIGINAL 1870 1946	AOD1 1898 1954	ADD2 1922 1963	ADD3 1940 1964	TEMP1 1953 1968	TEMP2 1966 1969	TEMP3 1954 1968
-----------------------------------------------	--------------------------	----------------------	----------------------	----------------------	-----------------------	-----------------------	-----------------------

NUMBER AND PERCENTAGE OF MEDIUM ELEMENTARY SCHOOLS IN COUNTY SYSTEMS . HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDITION	IS TEMPO	RARIES
Ô	71 26.		76.2
ì	84 31.	2 43	16.0
2	66 24.	5 14	5.2
ä	48 17.	8 7	2.6
TOTAL	269 100.	0 269	100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM ELEMENTARY SCHOOLS IN COUNTY SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

53 19.7 11 6.4 11 8.4 7 12.3 0 0.0 0 0.0 0 0.0	ORIGINAL	A001	ADD2	A003	TEMP1	TEHP2	TEMP3
	53 19.7	11 6.4	11 0.4	7 12.3	0 0.0	0 0.0	0 0.0

SCHOOLS USING BASEMENT OF SOME STRUCTURE FOR INSTRUCTION:

67 24.9%

NUMBER AND PERCEL TAGE OF BUILDINGS OF MEDIUM ELEMENTARY SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES 1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	08 197 62 10 0 269	73.2 23.0 3.7 0.0	126 45 1 0 172	ADD1 73.3 26.2 0.6 0.0 100.0	108 21 2 0 131	ADD2 82.4 16.0 1.5 0.0 100.0	51 5 1 0 57	ADD3 89.5 8.8 1.8 0.0	48 2 0 0 50	7EMP1 96.0 4.0 0.0 0.0 100.0	22 0 0 0 22	TEMP2 100.0 0.0 0.0 0.0 100.0	20 0 0 0 20	TENP3 100.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	15	BEFORE 1' 5.6 E THAN D	1	0.6 Y 0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM ELEMENTARY SCHOOLS IN COUNTY SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	DD.	IGINĀL		ADO1		ADD2		ADD3			TEMP1		TEMP2		TENP3	
		78.4	135	78.5	110	84.0	42	73.7		3	6.0	Ô	0.0.	. 0	0.0	
BRICK	211		137	0.6	0	0.0	7	1.8		8	16.0	4	18.2	5	25.0	
M000	2	1.9	4		2	1.5	ī	1.8	•	3 <u>0</u>	60.0	17	77.3	12	60.0	
METAL	0	0.0	0	0.0			'n	0,0	ē	0	0.0	Ō	0.0	0	0.0	
STONE	4	1.5	L	0.6	4	0.8	0			1	2.0	Ō	0.0	Ö	0.0	
CONCRETE	4	1.5	2	1.2		1.5	2	3.5		¥				1	0.0 5.0	
OTHER	2	0.7	3	1.7	1	0.8	1	1.8		Ī	2.0	0	0.0			
BRICK, WOOD	4	1.5	2	1.2	0	0.0	0	0.0		0	0.0	0	0.0	V	0.0	
BRICK, METAL	5	1.9	4	2.3	1	0.8	ļ	1.8		0	0.0	0	0.0	Ū	0.0	
BRICK, STONE	1	0.4	1	0.6	2	1,5	Ō	0.0		Q	0.0	0	0.0	0	0.0	
BRICK, CONCRETE	10	3.7	7	4.1	3	2.3	. 3	5.3		1	2.0	0	0.0	0	0.0	
BRICK, OTHER	ō	0.0	ð	0.0	0	0.0	0	0.0		0	0.0	0	0.0	0	0.0	
BAIGA VINCA BAIGK WOOD METAL	,	0.7	2	1.2	1	0.8	1	1.8		0	0.0	0	0.0	0	0.0	
BRICK, WOOD, METAL	5	0.7	ō		ī	0.8	Ô	0.0		0	0.0	0	0.0	0	0.0	
BRICK, HOOD, CONCRETE	£	1.9	5	2.9	Ī	Q. 8	Ō	0.0		Ó	0.0	0	0.0	0	0.0	
BRICK, METAL, CONCRETE	7	_	1	0.6	Ō	0.0	Ō	0.0		0	0.0	0	0.0	0	0.0	) <u>-1</u>
BRICK, STONE, CONCRETE		0.7	1		0	0.0	0	0.0		Ō	0.0	Ō	0.0	Ó	0.0	4
BRICK, WOOD, METAL, CONCRETE	Z	0.7	7	0.6	, 3		ĭ	1.8		5	10.0	i	4.5	ī	5.0	
ALL CTHER COMBINATIONS	8	3.0	3	1.7		2.3				,		ň	0.0		5.0	
NO RESPONSE	2	0.7	4	2.3	3	2.3	4	7.0		ļ.	2.0	0	-	4V	100.0	
TOTAL	269	100.0	172	100.0	131	100.0	57	100.0	•	V	100.0	22	100.0	ξů	TÄÄ÷Ä	

# NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM ELEMENTARY SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING E	OUIPHEN'	ľ									1			
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	OR: 237 13 15 4 269	IGINAL 88-1 4-8 5-6 1-5 100-0	144 17 5 6 172	ACD1 83.7 9.9 2.9 3.5 100.0	103 18 2 8 131	ADD2 78.6 13.7 1.5 6.1 100.0	41 9 3 4 57	ADD3 71.9 15.8 5.3 7.0 100.0	19 26 2 3 50	TEMP1 38.0 52.0 4.0 6.0 100.0	12 8 1 1 22	TEMP2 54.5 36.4 4.5 4.5 100.0	6 12 0 2 20	TEMP3 30.0 60.0 0.0 10.0 100.0
COOLING E	QUIPMEN	T												ă
	OR	1GINAL		ADD1		ADD2		ADD3	**	TEMP1	10	T EMP2 45.5	8	TENP3 40.0
JUST CENTRAL	29	10.8	12	7.0	12	9.2	11	19.3 15.8	22 9	44.0 18.0	10 5	22.7	5	25.0
TIND WOONIW TRUL	66	24.5	29	16.9	25 0	19.1 0.0	9	0.0	í	2.0	ĺ	4.5	0	0.0
CENTRAL & WINDOW	2	0.7	0 131	0.0 76.2	94	71.8	37	64.9	18	36.0	6	27.3	7	35.0
NO MECHANICAL TOTAL	172 269	63.9 100.0	172	100.0	131	100.0	57	100.0	50	100.0	22	100.0	20	100.0
WIND	OW UNIT	COOLING		į										
<b>.</b>				Anni		ADD2	,	ADD3		TEMPI		TEMPZ		TEMP3
		IGINAL	16	ADD1 55.2	8	32.0	5	55.6	10	100.0	5	83.3	4	80.0
ALL ROOMS SELECTED ROOMS	28 32	41.2 47.1	11	37.9	13	52,0	3	33.3	0	0.0	Ō	0.0	1	20.0
NO RESPONSE	8	11.8	2	6.9	4	3.0	1	11.1	.0	0.0	ļ	16.7 100.0	0	0.0 100.0
TOTAL	68	100.0	29	100.0	25	160.0	9	100.0	10	100.0	6	14444	,	14444
LIGHTING	EQUIPME	NT								·	,			
				ADD1		A002		ADD3		TEMP1		TEMPZ		TEMP3
AND ANDECCENT	98 98	IGINAL 36.4	57		34	_	10	17.5	3	6.0	1	4.5	. 1	5.0
INCANDESCENT FLUORESCENT	153	56.9	98	57.0	89	67.9	41	71.9	45		21	95.5	18	90.0 0.0
BOTH	10	3.7	8	4.7	3	2.3	1	1.8	0	0.0 2.0	0	0.0 0.0	0	5.0
CTHER	10	3.7	5	2.9	. 3	2.3	0	0.0 8.8	1	2.0 2.0	0	0.0	ō	0.0
NO RESPONSE TOTAL	1 269	0.4 100.0	4 172	2.3 100.0	2 131	1.5 100.0	57	100.0	50	100.0	22	100.0	20	100.0
IDIAL	£V!					*								

NUMBER AND PERCENTAGE OF MEDIUM ELEMENYARY SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY'

	NUMBER	PERCENTAGE	.,,
WATER UTILITY	252	93.7	****************
PUMP ON PROPERTY	15	5.6	*** <b>&gt;</b>
OTHER (WELLS, ETC.)	2	0.7	1
NO RESPONSE	0	0.0	1
TOTAL	269	100.0	
isins		•	101 201 301 401 501 601 701 801 901 1001

NUMBER AND PERCENTAGE OF PRINCIPALS OF MEDIUM ELEMENTARY SCHOOLS IN COUNTY SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE"	1
MAINTENANCE	139	51.7	****************
CENSTRUCTION	109	40.5	**********
BŌTH	10	3.7	<b> **</b>
NEITHER (INCLUDING NO RESPONSE)	11	4,1	##
TOTAL	269	100.0	世 ½은 목숨병 위한 중 교통 후 관련을 통해 보는 중 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등
IDIAL	*41		10: 20: 30: 40: 50: 60: 70: 80: 90: 100:

2

PLANT PROFILES:

MEDIUM ELEMENTARY SCHOOLS IN COUNTY SYSTEMS

	CRITERION	Al	DEQUATE		TANDARD	
		NUMBER	PERCENTAGE	NUMBER	PERCENTAGE	
l.	ENROLLHENT/CAPACITY RATIO <= 1	164	61.0	105	39.0	
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	128	47.6	141	52•4	
3,	MEETS NATIONAL SITE SIZE STANDARDS	50	19.2	210	80.8	
4.	ORIGINAL BUILDING 30 YRS OLD OR LESS	174	66.2	89	33.8	
5.	NO TEMPORARY STRUCTURES	205	76.2	64	23.8	
6.	NO BASEMENT USED FOR INSTRUCTION	202	75.1	67	24.9	
7.	NO BUILDING OF WOOD EXCLUSIVELY	253	94.1	16	5.9	
8.	CENTRAL HEATING IN ORIGINAL BUILDING	252	93.7	17	6.3	
9.	CENTRAL AIR OR ALL WINDOW UNITS	54	20.1	147	54.6	
10.	CCMPLETE FLUORESCENT LIGHTING	136	50.6	65	24•2	
11.	USE OF WATER UTILITY	252	93.7	17	6.3	
12.	MEETS 7 OF 11 OF ABOVE CRITERIA	158	58•7	10	3.7	

LARGE ELEMENTARY SCHOOLS IN COUNTY SYSTEMS

78 RESPONDENTS

NUMBER AND PERCENTAGE OF LARGE ELEMENTARY SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROLI	LMENT/CAPACITY												
	RATIO	NUMBÉR	PERCENTAGE										
ABCVĒ	0.0- 0.5	0	0.0	1									
ABCVE	0.5- 0.8	7	9.2	****									
ABOVE	0.8- 1.0	22	28.9	*****									
ABCVE	1.0- 1.5	43	56.6	*****	***	****	****	****	**				
ABOVE	1.5- 2.0	4	5.3	**						·			,
ABOVE	2.0-13.0	0	0.0	1									
Uhaté		76	100.0	*****					¥ = <del>4 4 7</del>	== <del>==</del>			7545
Ļ	10145			10%	204	301	40%	501	601	70 <b>t</b>	80 <b>T</b>	901	1001
€¢µñi	CIE THAT EXCEEN	CAPACITY:	47	61.8%			i	:				2	
SCHO	TOTAL  CLS THAT EXCEED			107	20%	30 <b>1</b>	40%	501	601	70%	80\$	901	100

NUMBER AND PERCENTAGE OF LARGE ELEMENTARY SCHOOLS IN COUNTY SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES  O- LESS THAN 1 1- LESS THAN 5 5- LESS THAN 10 10- LESS THAN 20 20- LESS THAN 30 30- LESS THAN 50 50- LESS THAN 100	NUMBER 0 4 17 40 11 3	PERCENTAGE 0.0 5.3 22.7 53.3 14.7 4.0 0.0	**   ********   ********************   *******
		-	

MEDIAN SCHOOL SITE SIZE IS 11 ACRES

NUMBER AND PERCENTAGE OF LARGE ELEMENTARY SCHOOLS IN COUNTY SYSTEMS MEETING SITE SIZE REQUIREMENTS: 15 20.0%



# NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE ELEMENTARY SCHOOLS IN COUNTY SYSTEMS OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS) 60 OR OVER 40- LESS THAN 60 20- LESS THAN 40 LESS THAN 20 TOTAL	ORIGINAL 4 5.1 6 7.7 22 28.2 46 59.0 78 100.0	ADD1 0 0.0 4 8.7 11 23.9 31 67.4 46 100.0	ADD2 0 0.0 0 0.0 10 27.0 27 73.0 37 100.0	ADD3 0 0.0 0 0.0 3 20.0 12 80.0 15 100.0	TEMP1 0 0.0 1 3.4 0 0.0 28 96.6 29 100.0	TEMP2 0 0.0 0 0.0 0 0.0 16 100.0	TEMP3 0 0.0 0 0.0 0 0.0 10 100.0
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• 1

## NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE ELEMENTARY SCHOOLS IN COUNTY SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

		******		A001		SODA		ADD3		TEMP1		T EMP2		TEMP3
	UR	IGINAL	_				A	0.0	0	0.0	0	0.0	0	0.0
AFTER 1840 - 1870	0	0.0	0	0.0	0	0.0	0						_	0.0
	•	1.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	
AFTER 1870 - 1880					Ō	0.0	0	0.0	0	0.0	0	0.0	Q	0.0
AFTER 1880 - 1890	0	0.0	0	0.0		_			Ō	0.0	0	0.0	Ö	0.0
AFTER 1890 - 1900	1	1.3	0	0.0	0	0.0	0	0.0					- ^	
•	- 1		Ö	0.0	0	0.0	0	0.0	0	0.0	0	0.0	V	0.0
AFTER 1900 - 1910	Ť	1.3	ų į				Ō	0.0	1	3.4	· 0	0.0	0	0.0
AFTER 1910 - 1920	3	3.8	Ī	2.2	0	0.0			*		Ò	0.0	0	0.0
AFTER 1920 - 1930	3	3.8	3	6.5	0	0.0	Q	0.0	Ö	0.0				
	18		-	4.3	' . 1	2.7	1	6.7	0	0.0	0	0.0	0	0.0
AFTER 1930 - 1940	12	15.4	4			1	Ō	0.0	0	0.0	0	0.0	0	0.0
AFTER 1940 - 1950	10	12.8,	6	13.0	ſ	18.9	_				i	6.3	Ō	0.0
	17	21.8	13	28.3	11	29.7	• 3	20.0	Ţ	3.4				
AFTER 1950 - 1960				43.5	17	45.9	10	66.7	18	62.1	11	68.8	4	40.0
AFTER 1960 - 1970	27	34.6	20		41		1	6.7	9	31.0	4	25.0	6	60.0
AFTER 1970 - 1973	3	3.8	1	2.2	Ī	2.7		-	•		•	-	10	100.0
	78	100.0	46	100.0	37	100.0	15	100.0	29	100.0	16	100.0	ĪĀ	TÄÄÄÄ
TOTAL	10	FAREA	7.9	****	Ŧ ·	-								

OLDEST STRUCTURE MEAN YEAR OF CONSTRUCTION	ORIGINAL 1880 1950	ADD1 1916 1954	ADD2 1939 1959	ADD3 1935 1962	TEMP1 1917 1966	TEMP2 1958 1968	TEHP3 1963 1969
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#### NUMBER AND PERCENTAGE OF LARGE ELEMENTARY SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDITIONS	TEMPORARIE:				
Ō	26 33.3	43. 55.1				
ī	17 21.8	19 24.4				
į	24 30.8	12 15.4				
j	11 14.1	4 5.1				
TOTAL	78 100.0	78 100.0				

#### NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE ELEMENTARY SCHOOLS IN COUNTY SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

ORI 11	GINAL 14.1	Ž	ADD1 4.3	2	ACD2 5.4	, 1	ADD3 6.7	. 0	TEMP1 0.0	0	TEMP2 0.0	0 ′	0.0
	SCHOOLS	t 11C†	NG BASEME	NT OF	SOME ST	RUCTURE	FOR INST	RUCTION	ļ:	.14	17.98		:

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE ELEMENTARY SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 53 22` 3 0 78	IGINAL 67.9 28.2 3.8 0.0 100.0	33 12 . 1 0 46	ADD1 71.7 26.1 2.2 0.0 100.0	30 7 0 0 37	AD02 81.1 18.9 0.0 0.0	12 3 0 0 15	ADD3 80.0 20.0 0.0 0.0 100.0	28 1 0 0 29	7EMP1 96.6 3.4 0.0 0.0	15 1 0 0 16	7EMP2 93.8 6.3 0.0 0.0 100.0	10 0 0 0	TEHP3 .100.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	6	7.7	1	2.2	0	0.0		0.0	0	0.0	0	0.0	0	0.0
ALL WCOD STRUCTURES	0 P MUH	O.O	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE ELEMENTARY SCHOOLS IN COUNTY SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

Adding Appunging and a															
	ORI	GINAL		ADD1		ADD2		ADD3		TEMP1	_	TEMP2		TEMP3	
*****	63	80.8	41	89.1	34	91.9	13	86.7	2	6.9	0	0.0	0	0.0	
BRICK			Ō	0.0	0	0.0	0	0.0	7	24.1	3	10.0	2	20.0	
WOOD	0	0.0	-			0.0	ī	6.7	12	41.4	9	56.3	8	80.0	
METAL	1	1.3	0	0.0	0				Ö	0.0	Ó	0.0	0	0.0	
STONE	0	0.0	0	0.0	Ō	0.0	0	0.0	T.	_			Ŏ	0.0	
CCNCRETE	0	0.0	0	0.0	l	2.7	Õ	0.0	Q	0.0	0	0.0	1 -		
	Ö	0.0	1	2.2	0	0.0	0	0.0	2	6.9	1	6.3	0	0.0	
CTHER	4	0.0	, ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
BRICK, WOOD	U				. 0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
BRICK, METAL	4	5.1	0	0.0			0	0.0	ō	0.0	Ō	0.0	Ô	0.0	
BRICK, STONE	0	0.0	Q	0.0	0	0.0					Ŏ	0.0	Ō	0.0	
BRICK, CONCRETE	4	5.1	2	4,3	Ô	0.0	Ō	0.0	0	0.0	_		Ŏ		
	1	1.3	1	2.2	0	0.0	0	0.0	0	0.0	0	0.0	Ų	0.0	
BRICK, OTHER	ā	0.0	Ó	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	0	0.0	
RRICK, WOOD, METAL	,		Ô	0.0	Ō	0.0	Q	0.0	Q	0.0	Ō	0.0	0	0.0	
BRICK, WOOD, CONCRETE	1	1.3	-		Õ	0.0	Ō	0.0	Ö	0.0	0	0.0	0	0.0	
BRICK, METAL, CONCRETE	Ţ	1.3	0	0.0	-		_	0.0	Ŏ	0.0	Ō	0.0	Ó	0.0	
BRICK, STONE, CONCRETE	0	0.0	0	0.0	0	0.0	0		- 7		_		ō		
BRICK, HOOD, METAL, CONCRETE	1	1.3	0	0.0	0	0.0	. 0	0.0	0	0.0	0	0.0			
DATES CONSTRACTORS	ī	1.3	0	0.0	0	0.0	Q	0.0	2	6.9	1	6.3	U	0.0	
ALL_OTHER COMBINATIONS	•	1.3	1	2,2	2	5.4	1	6.7	4	13.8	2	12.5	Q	0.0	
SPONSE	1 70		46		37		15	100.0	29	_	16	100.0	10	100.0	
ERIC TOTAL	78	100.0	40	Tania	₽1	* aai a	• • •				-				

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HEATING EC	DUIPMENT					ı	
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ORIGINAL 63 80.8 7 9.0 4 5.1 4 5.1 78 100.0	A0D1 36 78.3 4 8.7 2 4.3 4 8.7 46 100.0	ADD2 26 70.3 6 16.2 2 5.4 3 8.1 37 100.0	ADD3 8 53.3 4 26.7 0 0.0 3 20.0 15 100.0	TEMP1 6 20.7 16 55.2 2 6.9 5 17.2 29 100.0	TEMP2 5 31.3 9 56.3 1 6.3 1 6.3 1 6.3	TEMP3 4 40.0 6 60.0 0 0.0 0 0.0 10 100.0
COOLING E	UIPHENT						
JUST CENTRAL JUST WINDOW UNIT CENTRAL & WINDOW NO HECHANICAL TOTAL	ORIGINAL 18 23.1 25 32.1 0 0.0 35 44.9 78 100.0	ADD1 9 19.6 10 21.7 0 0.0 27 58.7 46 100.0	ADD2 5 13.5 5 13.5 0 0.0 27 73.0 37 100.0	ADD3 4 26.7 3 20.0 0 0.0 8 53.3 15 100.0	TEMP1 13 44.8 6 20.7 0 0.0 10 34.5 29 100.0	TEMP2 7 43.8 5 31.3 0 0.0 4 25.0 16 100.0	TEMP3 6 60.0 2 20.0 0 0.0 2 20.0 10 100.0
NINDI	W UNIT COOLING	,		1		,	
ALL ROCMS SELECTED ROOMS NO RESPONSE TOTAL	ORIGINAL 13 52.0 9 36.0 3 12.0 25 100.0	ADD1 7.70.0 1 10.0 2 20.0 10 100.0	AD02 2 40.0 1 20.0 2 40.0 5 100.0	A003 1 33.3 1 33.3 1 33.3 3 100.0	TEMP1 2 33.3 1 16.7 3 50.0 6 100.0	TEMP2 4 80.0 1 20.0 0 0.0 5 100.0	TEMP3 1 50.0 1 50.0 0 0.0 2 100.0
LIGHTING (	EGUIPMENT				÷		
INCANDESCENT FLUCRESCENT BOTH OTHER NO RESPONSE TOTAL	ORIGINAL 19 24.4 56 71.8 0 0.0 2 2.6 1 1.3 78 100.0	ADD1 10 21.7 35 76.1 0 0.0 0 0.0 1 2.2 46 100.0	ADD2 8 21.6 26 70.3 0 0.0 1 2.7 2 5.4 37 100.0	A003 2 13.3 12 80.0 0 0.0 0 0.0 1 6.7 15 100.0	TEMP1 1 3.4 25 86.2 0 0.0 0 0.0 3 10.3 29 100.0	TEMP2 0 0.0 15 93.8 0 0.0 0 0.0 1 6.3 16 100.0	TEMP3 0 0.0 10 100.0 0 0.0 0 0.0 0 0.0 10 100.0

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BER AND PERCENTAGE OF LARGE ELEMENTARY SCHOOLS IN COUNTY SYSTEMS

l si	~ 6	230	2 E 1	En	SOURCES	UE	MATER	SUPPLY	۲
n	U 3	ITCL.	6 F I	EU	3000000	•	Muten	~~	7

	NUMBER	PERCENTAGE	*******************
UTILITY	76	97.4	
ON PROPERTY	2	2.6	<b>!</b> *
(WELLS, ETC.)	0	0.0	
SPONSE	0	0.0	
TOTAL	78	100.0	102 202 302 402 502 602 702 802 902 1002

BER AND PERCENTAGE OF PRINCIPALS OF LARGE ELEMENTARY SCHOOLS IN COUNTY SYSTEMS PRESSING SPECIFIED FACILITY NEEDS

TENANCE	NUMBER 29 43	PERCENTAGE 37.2 55.1	
TRUCTION	1	1.3	1
HER (INCLUDING NO RESPONSE)	5	6.4	***
TOTAL	78	100.0	200 200 200 600 600 700 800 901 1002

LARGE ELEMENTARY SCHOOLS IN COUNTY SYSTEMS PLANT PROFILES:

CRITERION	AI NUMBER	DEQUATE PERCENTAGE	SUB: NUMBER	STANDARD PERCENTAGE	•
	NONDER	I Charman			
LLMENT/CAPACITY RATIO <= 1	29	38.2	47	61.8	
S NATIONAL SCHOOL SIZE STANDARDS	0	0.0	78	100.0	
S NATIONAL SITE SIZE STANDARDS	15	20.0	60	80.0	
INAL BUILDING 30 YRS OLD OR LESS	56	71.8	22	28.2	
EMPORARY STRUCTURES	43	55.1	35	44.9	
ASEMENT USED FOR INSTRUCTION	64	82.1	14	17.9	
DUILDING OF WOOD EXCLUSIVELY	69	88.5	9	11.5	
RAL HEATING IN ORIGINAL BUILDING	67	85.9	11	14-1	
TRAL AIR OR ALL WINDOW UNITS	22	28.2	32	41.0	
PLETE FLUORESCENT LIGHTING	. 48	61.5	10	12.8	
OF WATER UTILITY	76	97.4	2	2.6	
TS 7 OF 11 OF ABOVE CRITERIA	38	48.7	, 3	3.8	
1				•	

6 RESPORT NTS

NUMBER AND PERCENTAGE OF SHALL MIDDLE SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROL	LMENT/CAPACITY			•
	RATIO	NUMBER	PERCENTAGE	
ABOVE	0.0- 0.5	1	16.7	*****
ABCVE	0.5- 0.8	2	33.3	***********
ABOVE	0.8- 1.0	. 3	50.0	**********
ABGVE	1.0- 1.5	0	0.0	
ABCVE	1.5- 2.0	0	0.0	
ABCVE	2.0-13.0	0	0.0	
,	TOTAL	6	100.0	발목으로 발표하고 하는 것을 하는 것 같아 있다. 등을 등로 모르고 보고 보고 보고 있다. 나는 그리고 있다고 보고 보고 보고 있다. 
	18.08			102 202 302 402 502 602 702 802 902 1002
SCHC	CLS THAT EXCEED	CAPACITY:	0	0.0%

NUMBER AND PERCENTAGE OF SMALL MIDDLE SCHOOLS IN COUNTY SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES	NUMBER	PERCENTAGE	
O- LESS THAN 1	0	0.0	
1- LESS THAN 5	2	33.3	*****
5- LESS THAN 10	3	50.0	************
10- LESS THAN 20	1	16.7	<b>◆◆◆本本本本</b>
20- LESS THAN 30	0	0.0	-
30- LESS THAN 50	0	0.0	
50- LESS THAN 100	0	0.0	1
TOTAL	6 '	100.0	107 207 307 407 507 607 707 807 907 1007

MEDIAN SCHOOL SITE SIZE IS 5 ACRES

NUMBER AND PERCENTAGE OF SMALL MIDDLE SCHOOLS IN COUNTY SYSTEMS MEETING SITE SIZE REQUIREMENTS: 0 0.0%

#### NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL MIDDLE SCHOOLS IN COUNTY SYSTEMS CCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS) 60 OR OVER 40- LESS THAN 60	DRIGINAL O 0.0 4 66.7	ADD1 0 0.0 0 0.0	ADD2 0 0.0 0 0.0	ADD3 O 0.0 O 0.0 1 100.0	TEMP1 0 0.0 0 0.0 0 0.0	TEMP2 0 0.0 0 0.0 0 0.0	TEMP3 0 0.0 0 0.0 0 0.0
20- LESS THAN 40 LESS THAN 20 TOTAL	2 33.3 0 0.0 6 100.0	2 50.0 2 50.0 4 100.0	0 0.0 2 100.0 2 100.0	0 0.0	0 0.0 0 100.0	0 0.0 0 100.0	0 0.0 0 100.0

#### NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL MIDDLE SCHOOLS IN COUNTY SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES. 1840-1973

	ñδ	IGINAL		ADD1		ADD2	'	ADD3		TEMPI		TEMP2		TEMP3
	ŪΝ				Á		r		0	0.0	0	0.0	0	0.0
AFTER 1840 - 1870	Ō	0.0	0	0.0	0	0.0	0		v		-		Á	
AFTER 1870 - 1880	n	0.0	0	0.0	0	0.0	Q	0.0	Q	0.0	0	0.0	Ų	0.0
	, ,			0.0	ō	0.0	0	0.0	0	0.0	0	0.0	Q	0.0
AFTER 1880 - 1890	Ų	0.0	0						ñ	0.0	۸	0.0	۵	0.0
AFTER 1890 - 1900	0	0.0	0	0.0	Ų	0.0	Ų	0.0	U		V		Ā	
AFTER 1900 - 1910	٥٠	0.0	0	0.0	0	0.0	Q	0.0	Ò	0.0	Q	0.0	V	0.0
	۸.		'n	0.0	ā	0.0	0	0.0	Ō	0.0	0	0.0	Q	0.0
AFTER 1910 - 1920	Ų	0.0	v				,	0.0	Ä	0.0	٥	0.0	0	0.0
AFTER 1920 - 1930	3	50.0	Ō	0.0	V	0.0			٧		, ,		- A	0.0
AFTER 1930 - 1940	2	33.3	0	0.0	0	0.0	. (	0.0	Q	0.0	Ų	0.0	Ų	
	ī		,	50.0	۰٬۵	0.0	1	100.0	0	0.0	, 0	0.0	0	0.0
AFTER 1940 - 1950	Ť	16.7	- 4				7		À	0.0	٥	0.0	Ō	0.0
AFTER 1950 - 1960	Q	0.0	ļ	25.0	0	0.0	, ,	0.0	Ų				Ā	0.0
AFTER 1960 - 1970	0	0.0	1	25.0	2	100.0	` (	0.0	Q	0.0	Ų	0.0	U	
	. Y		ā	0.0	ā	0.0	(	0.0	0	0.0	0	0.0	0	0.0
AFTER 1970 - 1973	V	0.0	Ų		•		ì	100.0	Ŏ	100.0	Ď	100.0	Û	100.0
TOTAL	6	100.0	4	100.0	4	100.0	4	TAGEA		TAASA	٧	*****	-	*****

	ORIGINAL	ADD1	ADDZ	ADD3	TEMPL	TEMP2	TEMP3
OLDEST STRUCTURE	1922	1941	1962	1950	0	0	0
MEAN YEAR OF CONSTRUCTION	1930	1953	1964	1950	0	Q	O

#### NUMBER AND PERCENTAGE OF SMALL MIDDLE SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDITIONS	TEMPORARIES
0	1 16.7	6 100.0
Ĭ	3 50.0	0 0.0
2	2 33.3	0 0.0
3	0 0.0	0 0.0
TOTAL	6 100.0	6 100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL MIDDLE SCHOOLS IN COUNTY SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

OR) 1	IGINAL 16.7	0	ADD1 0.0	0	ADD2 0.0	0	ADD3 0.0	0 0	0.0	0	0.0	0	TEMP3 0.0
	SCHOOL	S USI	NG BASEMEN	T OF	SOME ST	TRUCTURE	FOR INS	TRUCTION:		1	16.72		

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL MIDDLE SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES 1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 4 2 0 0 6	66.7 33.3 0.0 0.0	3 1 0 0 4	ADD1 75.0 25.0 0.0 0.0	2 0 0 0 2	ADD2 100.0 0.0 0.0 0.0 100.0	0 1 0 0	ADD3 0.0 100.0 0.0 0.0	0 0 0 0	TEMP1 0.0 0.0 0.0 0.0 100.0	0 0 0 0	TEMP2 0.0 0.0 0.0 0.0 0.0	0 0 0 0	TEMP3 0.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	0	BEFORE 19 0.0 1e than on 0.0	Ē	0.0 Y 0.0	0	0.0 0.0	0	0.0	0	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL MIDDLE SCHOOLS IN COUNTY SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ORIGINAL	ADD1	ADD2	AD03	TEMP1	TEMP2	TEMP3
BRICK	5 83.3	3 75.0	2 100.0	1 100.0	. 0 0.0	0 0.0 .	0.0
WGUD .	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0
METAL	0 0.0	1 25.0	0 0.0	0.0	0 0.0	0.0	0.0
STONE	1 16.7	0 0.0	0 0.0	0 0.0	0.0	0.0	0.0
CCNCRETE	0 0.0	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0.0
OTHER	0 0.0	0 0.0	0 0.0	0.0	0.0	0 0.0	0 0.0
BRICK, WOOD	0 0.0	0 0.0	0 0.0	0 0.0	0.0	0 0.0	0 0.0
BRICK, METAL	0 0.0	0 0.0	0 0.0	0.0	0 0.0	0.0	0.0
BRICK, STONE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, CONCRETE	0 0.0	0.0	0 0.0	0.0	0.0	0.0	0.0
BRICK, OTHER	0.0	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0.0
BRICK, WOOD, METAL	0 0.0	0 0.0	0.0	0 0.0	0.0	0.0	0 0.0
BRICK, WOOD, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0
BRICK, METAL, CONCRETE	0 0.0	0 0.0	0 0.0	0.0	0.0	0 0.0	0 0.0
BRICK, STONE, CONCRETE	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, METAL, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0.0	0.0	0 0.0
ALL OTHER COMBINATIONS	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0.0	0.0
NO RESPONSE	0 0.0	0 0.0	0 .	0.0	0 0.0	0 0.0	0.0
TOTAL	6 100.0	4 100.0	2 1	1 100.0	0 100.0	0 100.0	0 100.0



## NUMBER AND PERCENTAGE OF BUILDINGS OF SHALL MIDDLE SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQU	I PHENT	,		:			ı
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ORIGINAL 6 100.0 0 0.0 0 0.0 0 0.0 6 100.0	ADD1 4 100.0 0 0.0 0 0.0 0 0.0 4 100.0	ADD2 2 100.0 0 0.0 0 0.0 0 0.0 2 100.0	ADD3 1 100.0 0 0.0 0 0.0 0 0.0 1 100.0	TEMPL 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0	TEMP2 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0	TEMP3 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0
COOLING EQU	IPHENT		,		i.		,
	ORIGINAL	ADD1	ADD2	ADD3	TEMPL	TEHP2	TEMP3
JUST CENTRAL	0 0.0	1 25.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
JUST WINDOW UNIT	1 16.7	1 25.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
CENTRAL & WINDOW	0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0 0 0.0	0 0.0
NO MECHANICAL	5 83.3	2 50.0	2 100.0	1 100.0	0 0.0 0 100.0	0 100.0	0 100.0
TOTAL	6 100.0	4 100.0	2 100.0	1 100.0	A 10010	Ā TAĀĪĀ	• ••••
WINDOW	UNIT COOLING			•			i
	ORIGINAL	ADD1	, ADD2	ADD3	TEMPL	TEMP2	TEMP3
ALL ROGMS	1 100.0	1 100.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
SELECTED ROOMS	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
NO RESPONSE	0 0.0	0 0.0	0 0.0	0 0.0 0 100.0	0 0.0 0 100.0	0 100.0	0 100.0
TOTAL	1 100.0	1 100.0	0 100.0	Ų <u>1</u> 0040	,		
LIGHTING EG	UIPMENT			1	•		
	ORIGINAL	ADDI	ADD2	,ADD3	TEMP1	TEMP2	TEMP3
INCANDESCENT	4 66.7	2 50.0	1 50.0	1 100.0	0 0.0	Ø 0.0	0 0•0 0 0•0
FLUCRESCENT	2 33.3	1 25.0	1 50.0	0 0.0	0 0.0	0 0.0	0 0.0
BOTH	0 0.0	1 25.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
OTHER	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
NO RESPONSE	0 0.0	0 0.0 4 100.0	0 0.0 2 100.0	1 100.0	0 100.0	0 100.0	0 100.0
TOTAL	6 100.0	4 7808A	声 等在本企业	E ETTT			

NUMBER AND PERCENTAGE OF SMALL HIDDLE SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

		NUMBER	PERCENTAGE	E	
WATER UTILITY		6	100.0	*****************	
PUMP ON PROPERTY		0	0.0	1	
CTHER (WELLS, ETC.) NO RESPONSE		0	0.0	<b>.</b>	
	r.	0	0.0		
TOTAL		6	100.0		
12.02	*			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%	

NUMBER AND PERCENTAGE OF PRINCIPALS OF SMALL MIDDLE SCHOOLS IN COUNTY SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBĒŘ	PERCENTAGE	
MAINTENANCE	. 4	66.7	******
CONSTRUCTION	1	16.7	<b> </b> ******
BOTH	0	0.0	•
NEITHER (INCLUDING NO RESPONSE)	1	16.7	++++++
TOTAL	6	100.0	
· • · · · · =			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

PLANT PROFILES: SMALL MIDDLE SCHOOLS IN COUNTY SYSTEMS

	CRITERION		DEQUATE	SUBSTANDARD			
	·	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE		
l.	ENROLLMENT/CAPACITY RATIO <= 1	6	100.0	0	0.0		
2.	MESTS NATIONAL SCHOOL SIZE STANDARDS	2	33.3	4	66.7		
3.	MEETS NATIONAL SITE SIZE STANDARDS	0	0.0	6	100.0		
4.	ORIGINAL BUILDING 30 YRS OLD OR LESS	1	16.7	5	83.3		
5.	NC TEMPORARY STRUCTURES	6	100.0	0	0.0		
6.	NO BASEMENT USED FOR INSTRUCTION	5	83.3	1	16.7		
7.	NO BUILDING OF WOOD EXCLUSIVELY	6	100.0	0	0.0		
8,	CENTRAL HEATING IN ORIGINAL BUILDING	6	100.0	0	0.0		
9.	CENTRAL AIR OR ALL WINDOW UNITS	1	16.7	4	66.7		
10.	CCMPLETE FLUORESCENT LIGHTING	. 2	33.3	Ż	33.3		
11.	USE OF WATER UTILITY	6	100.0	0	0.0		
12.	MEETS 7 OF 11 OF ABOVE CRITERIA	4	66.7	0	0.0		

ERIC

DATA DISPLAY 4.5

MEDIUM MIDDLE SCHOOLS IN COUNTY SYSTEMS

**40 RESPONDENTS** 

NUMBER AND PERCENTAGE OF MEDIUM MIDDLE SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROLI ABCVE	MENT/CAPACITY RATIO 0.0- 0.5	NUMBER	PERCENTAGE 2.6	
ABCVE	0.5- 0.8	3	7.7	李明孝章
ABOVE ABOVE ABOVE	0.8- 1.0 1.0- 1.5 1.5- 2.0	21 ` 12 2	53.8 30.8 5.1	************************************
ABOVE	2.0-13.0	Ō	0.0	İ
ROCIE	TOTAL	39	100.0	102 202 302 402 502 602 702 802 902 1002
cruni	THE THAT EXCEPT	CAPACITY:	14	35.9%

NUMBER AND PERCENTAGE OF MEDIUM MIDDLE SCHOOLS IN COUNTY SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

10- LESS THAN 2 20- LESS THAN 3 30- LESS THAN 5 50- LESS THAN 1	NUMBER  1 0 5 6 10 15 20 10 30 3 50 3	PERCENTAGE 0.0 15.4 38.5 25.6 7.7 7.7 5.1 100.0	****** ******************************
TOTAL	39	100.0	102 202 302 402 502 602 702 802 902 1002

MEDIAN SCHOOL SITE SIZE IS 8 ACRES

NUMBER AND PERCENTAGE OF MEDIUM MIDDLE SCHOOLS IN COUNTY SYSTEMS MEETING SITE SIZE REQUIREMENTS: 5 12.8%



NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM MIDDLE SCHOOLS IN COUNTY SYSTEMS GCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS) 60 OR OVER 40- LESS THAN 60 20- LESS THAN 40 LESS THAN 20 TOTAL	ORIGINAL	ADD1	ADDZ	ADD3	TEMP1	TEMP2	TEMP3
	2 5.1	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
	8 20.5	1 5.9	2 14.3	0 0.0	0 0.0	0 0.0	0 0.0
	12 30.8	4 23.5	4 28.6	2 40.0	1 20.0	0 0.0	0 0.0
	17 43.6	12 70.6	8 57.1	3 60.0	4 80.0	2 100.0	1 100.0
	39 100.0	17 100.0	14 100.0	5 100.0	5 100.0	2 100.0	1 100.0
IOINC	F - #						

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM MIDDLE SCHOOLS IN COUNTY SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

						1000		ADD3		TEMP1		TEHP2		TEMP3
	OR:	IGINAL		ACDI		ADDZ	۸	0.0	0	0.0	0	0.0	0	0.0
AFTER 1840 - 1870	0	0.0	0	0.0	0	0.0	0	0.0	ñ	0.0	Ō	0.0	0	0.0
AFTER 1870 - 1880	1	2.6	Ō	0.0	Ō	0.0	0	0.0	Ŏ	0.0	Ō	0.0	0	0.0
AFTER 1880 - 1890	0	0.0	C	0.0	0	0.0	0		۸	0.0	Ō	0.0	Ô	0.0
AFTER 1890 - 1900	٥	0.0	0	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	Ö	0.0
AFTER 1900 - 1910	Ô	0.0	0	0.0	0	0.0	0	0.0	V	0.0	ō	0.0	0	0.0
AFTER 1910 - 1920	2	5.1	Ō	0.0	1	7.1	Ų	0.0	Δ.	0.0	Ŏ	0.0	Ō	0.0
AFTER 1920 - 1930	6	15.4	1	5.9	1	7.1	Ů	0.0	1	20.0	ō	0.0	Ö	0.0
AFTER 1930 - 1940	5	12.8	3	17.6	. 2	14.3	ļ	20.0	L A	0.0	0	0.0	Ō	0.0
AFTER 1940 - 1950	4	10.3	1	5.9	1	7.1	ļ	20.0	1	20.0	Ŏ.	0.0	Ô	0.0
AFTER 1950 - 1960	10	25.6	7	41.2	4	28.6	1	20.0	3	40.0	1	50.0	Ō	0.0
AFTER 1960 - 1970	8	20.5	5	29.4	5	35.7	Z	40.0	2	20.0	ì	50.0	. 1	100.0
AFTER 1970 - 1973	3	7.7	0	0.0	Ó	0.0	0	G.O	F	100.0	,	100.0	ī	100.0
TOTAL	39	100.0	17	100.0	14	100.0	5	100.0	5	ĬÕÕĐ		TARIA	•	# * * # T

OLDEST STRUCTURE MEAN YEAR OF CONSTRUCTION	ORIGINAL 1875 1946	ADD1 1926 1952	ADD2 1915 1951	ADD3 1940 1954	TEMP1 1940 1962	TEMP2 1966 1969	TEMP3 1972 1972
-----------------------------------------------	--------------------------	----------------------	----------------------	----------------------	-----------------------	-----------------------	-----------------------

NUMBER AND PERCENTAGE OF MEDIUM MIDDLE SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDITIONS	TEMPORARIES
0	19 47.5	33 82.5
ĭ	9 22.5	6 15.0
2	9 22.5	1 2.5
3	3 7.5	- 44
TOTAL	40 100.0	

oo to this		AOD1		ADDZ		ADD3		TEMPL		TEMP2		TEMP3
ORIGINAL 12 30.0	5	29.4	3	21.4	2	40.0	0	0.0	0	0.0	0	0.0

SCHOOLS USING BASEMENT OF SOME STRUCTURE FOR INSTRUCTION:

16 40.0%

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM MIDDLE SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

2 STORIES 3 STORIES 4 STORIES TOTAL	22 11 7 0 40	55.0 27.5 17.5 0.0 100.0	12 4 1 0 17	70.6 23.5 5.9 0.0 100.0	10 3 1 0 14	71.4 21.4 7.1 0.0 100.0	3 2 0 0 5	60.0 40.0 0.0 0.0 100.0	4 1 0 0 5	80.0 20.0 0.0 0.0 100.0	0 0 2	50.0 50.0 0.0 0.0 100.0	0 0 0 1	0.0 0.0 0.0 0.0 100.0
TWO STORIES OR MURE (	3	7.5	0	0.0	1	7.1	0	0.0	0	0.0	0	0.0	<b>O</b>	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM MIDDLE SCHOOLS IN COUNTY SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	aatetus.	ADDL	ADD2	ADD3	TEMP1	TEMP2	TEMP3
	ORIGINAL		11 78.6	5 100.0	1 20.0	0.0	0.0
BRICK	25 62.5			0 0.0	1 20.0	0 0.0	0 0.0
W000	0 0.0	1 5.9			2 40.0	2 100.0	0 0.0
METAL	0 0.0	0 0.0	0 0.0	0 0.0			0 0.0
STONE	0 0.0	0.0	0.0	0 0.0	0 0.0	0 0.0	
CCNCRETE	2 5.0	1 5.9	0 0.0	0 0.0	0.0	0 0.0	0 0.0
	. 0 0.0	0 0.0	0 0.0	0.0	0.0	0 0.0	0 0.0
OTHER	0 0.0	0 0.0	0 0.0	0.0	1 20.0	0 0.0	0 0.0
BRICK, WOOD		0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, METAL	0 0.0		1 7.1	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, STONE	0 0.0	1 5.9		0 0.0	0 0.0	0 0.0	0 0.0
BRICK, CONCRETE	10 25.0	2 11.8	1 7.1			_	0 0.0
BRICK, OTHER	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	
BRICK, WOOD, METAL	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, CONGRETE	1 2.5	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, METAL, CONCRETE			0 0.0	0 0.0	0 0.0 .	0 0.0	0 0.0
BRICK, STONE, CONCRETE	0 0.0			0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, METAL, CONCRETE	0 0.0	0 0.0					0 0.0
ALL OTHER COMBINATIONS	2 5.0	0 0.0	0 0.0	0 0.0	0 0.0		
NG RESPONSE	0 0,0	0 0.0	1 7.1	0 0.0	0 0.0	0 0.0	1 100.0
TOTAL	40 100-0	17 100.0	14 100.0	5 100.0	5 100.0	2 100.0	1 100.0

HEATING EQ	UIPMENT									F				•
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	4 10	7.5 1 ).0 2.5 ).0	ADD: 3 76.9 4 23.0 0 0.0 7 100.0	5 11 5 2 0 0 0 1	ADD2 78.6 14.3 0.0 7.1 100.0	5 0 0 0 5	ADD3 100.0 0.0 0.0 0.0 100.0	2 3 0 0 5	TEMP1 40.0 60.0 0.0 0.0 100.0	1 1 0 0 2 2	TEMP2 50.0 50.0 0.0 0.0 100.0		0 ( 0 ( 0 ( 1 10)	4P3 0.0 0.0 0.0 0.0 0.0
. COOLING EG	HIFBNENT											·		
COOLING EC							1003		TEMPI		TEMPZ		ŤĒ	KP3
•	ORIGIA		ADŌ		ADD2	۸	ADD3 0.0	0	0.0	1	50.0			0.0
JUST CENTRAL		7.5	1 5.		0.0 7.1	0 1	20.0	2	40.0	Ō	0.0		-	0.0
JUST WINDOW UNIT		7.5	1 5. 0 0.		0.0	Ô	0.0	ō	0.0	ō	0.0			0.0
CENTRAL & WINDOW		0.0 5.0 1	0 0. 5 88.	T	92.9	Ĭ,	80.0	3	60.0	1	50.0			0.0
NO MECHANICAL Total			7 100.	-	100.0	5	100.0	5	100.0	2	100.0	,	1 · 10	0.0
	ON UNIT CO	OLING						,						
	ORIGI	NAL	ADD	1	ADDŽ		ADD3		TEMP1		TEMP2		-	MP3
ALL ROOMS		2.9	1 100.		100.0	Ó	0.0	2	100.0	0	0.0		_	0.0
SELECTED ROOMS		2.9	0 0.	_	0.0	1	100.0	0	0.0	0	0.0		-	0.0 0.0
NO RESPONSE	1 1	4.3	0 0.			0	0.0	0	0.0	. 0	0.0 100.0			0.0
TOTAL	7 10	0.0	1 100.	0 1	100.0	1	100.0	2	100.0	0	10040		A #A	<b>4.</b> 0
•														
LIGHTING	EQUIPMENT													
	20161	u i i	ADD	11	ADD2		ADD3		TEMP1		TEMP2			MP3
THE ANDECESUT	ORIGI 9 2	NAL 2.5	8 47.			2	40.0	2	40.0	1	50.0			0.0
INCANDESCENT		5.0	7 41.	_		3	60.0	3	60.0	0	0.0			0.0
FLUORESCENT Both		0.0	2 11.			. 0	0.0	0	0.0	0	0.0			0.0
CTHER		5.0	0 0.	_	0.0	0	0.0	0	0.0	0	0.0			0.0
NO RESPONSE	_	0.0	0 0.			. 0	0.0	0	0.0	1	50.0			0.0 19
TOTAL	40 10	0.0	17 100.	0 14	100.0	5	100.0	5	100.0	2	100.0		T TA	190

# NUMBER AND PERCENTAGE OF MEDIUM MIDDLE SCHOOLS IN COUNTY SYSTEMS. USING SPECIFIED SOURCES OF WATER SUPPLY

WATER UTILITY PUMP ON PROPERTY	NUMBER 40 0	100.0 0.0	**************
OTHER (HELLS, ETC.) NO RESPONSE TOTAL	· 0 40	0.0 0.0 100.0	10\$ 20\$ 30\$ 40\$ 50\$ 60\$ 70\$ 80\$ 90\$ 100\$

# NUMBER AND PERCENTAGE OF PRINCIPALS OF MEDIUM MIDDLE SCHOOLS IN COUNTY SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	****
MAINTENANCE	24	0410	本本本本本本本本本本本本本
CONSTRUCTION	12	3444	***************************************
ARTH	0	0.0 10.0	• 1±±=±±
NEITHER (INCLUDING NO RESPONSE)	40	100.0	
TOTAL	. 40	TAGIA	102 202 302 402 502 602 702 802 902 1002

	MEDIUM M	ITONI E	SCHOOLS	ŧΝ	COUNTY	SYSTEMS
BLANT BRAETLECT	MEDIUM M	11 DUL E	うたいいいとう	* 1,	Anditii	A : = . =

I CHILL THE TEXT	ŧ		SUBSTANDARD				
CRITERION	AI Number	DEQUATE PERCENTAGE	NUMBER	PERCENTAGE			
1. ENROLLMENT/CAPACITY RATIO <= 1	25	64.1	14	35.9			
2. MEETS NATIONAL SCHOOL SIZE STANDARDS	40	100.0	0	0.0			
3. MEETS NATIONAL SITE SIZE STANDARDS	5	12.8	34	87.2			
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	25	64.1	14	35.9			
5. NO TEMPORARY STRUCTURES	33	82.5	7	17.5			
6. NO BASEMENT USED FOR INSTRUCTION	24	60.0	16	40.0			
7. NO BUILDING OF HOOD EXCLUSIVELY	38	95.0	2	5.0			
8. CENTRAL HEATING IN ORIGINAL BUILDING	36	90.0	4	10.0			
9. CENTRAL AIR OR ALL WINDOW UNITS	13	32.5	22	55.0			
10. CCMPLETE FLUORESCENT LIGHTING	27	67.5	6	15.0			
11. USE OF WATER UTILITY	40	100.0	0	0.0			
ERICITS 7 OF 11 OF ABOVE CRITERIA	27	67.5	. 0	0•0			
Full fact Provided by ERIC							

#### LARGE MIDDLE SCHOOLS IN COUNTY SYSTEMS

46 RESPONDENTS

NUMBER AND PERCENTAGE OF LARGE MIDDLE SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROL	LMENT/GAPAGITY												
	RAT IO	NUMBER	PERCENTAGE										
ABCVE	0.0- 0.5	0	0.0	1									
ABOVE	0.5- 0.8	4	8.9	****								•	
ARCVE	0.8- 1.0	. 18	40.0	*****	****	* * * * *	***		•				
ABOVĒ	1.0- 1.5	23'	51.1	*****	****	****	****	***		i i			
ABOVE	1.5- 2.0	0	0.0	ĺ					i				
ARCVE	2.0-13.0	0	0.0	ĺ									
	TOTAL	45	100.0				****						
			·	105	20%	307	40%	504	601	70%	80 <b>%</b>	90%	100%
SCHŌ	CLS THAT EXCEED	CAPACITY:	23	51.11									

NUMBER AND PERCENTAGE OF LARGE MIDDLE SCHOOLS IN COUNTY SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES	NUMBER	PERCENTAGE	
O- LESS THAN 1	<b>0</b>	0.0	1
1- LESS THAN 5	3	6.5	***
5- LESS THAN 10	12	26.1	*******
10- LESS THAN 20	13	28.3	*******
20- LESS THAN 30	9	19.6	********
30- LESS THAN 50	9	19.6	<b>******</b>
50- LESS THAN 100	Ó	0.0	1
TOTAL	46	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

MEDIAN SCHOOL SITE SIZE IS 15 ACRES

NUMBER AND PERCENTAGE OF LARGE MIDDLE SCHOOLS IN COUNTY SYSTEMS MEETING SITE SIZE REQUIREMENTS: 9 19.6%

#### NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE MIDDLE SCHOOLS IN COUNTY SYSTEMS OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	ORIGINAL .	٠.	ADD1		ADD2		ADD3	_	TEMPL		TEHP2		TEMP3	,
60 OR OVER	3 6.5	.Ō	0.0	0	0.0	0	0.0	Q	0.0	Q	0.0	Ų	0.0	
40- LESS THAN 60	5 10.9	Ō	0.0	1	6.3	0	0.0	0	0.0	Ō	0.0	0	0.0	,
		Ē	26.3	,	12.5	ò	0.0	Ô	0.0	Ō	0.0	Ō	0.0	
20- LESS THAN 40	7 15.2	3		13		7	100.0	15	100.0	Á	100.0	3	100.0	
LESS THAN 20	31 67.4	14	73.7	13	81.3	<u> </u>		12	-	ĭ	100.0	2	100.0	
TOTAL	46 100.0	19	100.0	16	100.0	7	100.0	10	100.0	0	TAA÷A	ş	****	

#### NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE MIDDLE SCHOOLS IN COUNTY SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

ŧ	OR	IGINAL		ADD1		ADD2		ADD3		TEMP1		TEMP2		TEMP3
AFTER 1840 - 1870	1	2.2	0	0.0	٥	0.0	0	0.0	0	0.0		0.0	0	0.0
	٨	0.0	Õ	0.0	ō	0.0	Ô	0.0	0	0.0		0.0	0	0.0
		2.2	Ŏ	0.0	` ă	0.0	ō	0.0	Ŏ	0.0		0.0	. 0	0.0
AFTER 1880 - 1890	Ò	0.0	0	0.0	ō	0.0	Ö	0.0	Ö	0.0		0.0	. 0	0.0
AFTER 1890 - 1900	1	2.2	0	0.0	ŏ	0.0	ō	0.0	Ô	0.0		0.0	0	0.0
AFTER 1900 - 1910	U.	0.0	0	0.0	1	6.3	Ō	0.0	Ō	0.0		0.0	0	0.0
AFTER 1910 - 1920	0		Ó	0.0	ň	0.0	Ō	0.0	Ó	0.0		0.0	Ó	0.0
AFTER 1920 - 1930	9 2	8.7	v .	10.5	. 0	0.0	Ō	0.0	Ō	0.0		0.0	0	0.0
AFTER 1930 - 1940	2	10.9	2	15.8		6.3	Õ	0.0	ō	0.0	,	0 0.0	Ó	0.0
AFTER 1940 - 1950	2	6.5	7	36.8	8	50.0	2	28.6	ī	6,7		1 16.7	Ô	0.0
AFTER 1950 - 1960	10	17.4	ı L	31.6	6	37.5	6	71.4	ġ	60.0	j	5 83.3	1	33.3
AFTER 1960 - 1970	18	39.1	9		0	0.0	á	0.0	Ś	33.3	Ì	0.0	2	66.7
AFTER 1970 - 1973		10.9	10	5.3	16	100.0	7	100.0	15	100.0		6 100.0	. 3	100.0
TOTAL	46	100.0	19	100.0	ŤŌ	TAAAA		TAAFA	4.7	VAAAA				

	ORIGINAL	ADD1	ADDZ	A003	TEMP1	TEMP2	TEMP3
OLDEST STRUCTURE	1854	1934	1915	1955	1956	1960	1965
MEAN YEAR OF CONSTRUCTION	1951	1956	1956	1962	1968	1967	1969

#### NUMBER AND PERCENTAGE OF LARGE MIDDLE SCHOOLS IN COUNTY SYSTEMS . HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

ADDITIONS	TEMPORARIES	)
0 25 54.3	29 63.0	)
1 6 13.0	11 23.9	)
2 9 19.6	5 10.9	)
3 6 13.0	1 2.3	
TOTAL 46 100.0	46 100.0	Ì

#### NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE MIDDLE SCHOOLS IN COUNTY SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

OR I	GINAL		ADD1		ADD2		ADD3	T	ENP1		TEMP2		TEMP3
	17.4	2	10.5	3	18.8	2	28.6	0	0.0	0	0.0	0	0.0
	SČHOOI	.s usi	NG BASEME	NT OF	SOME STRU	ICTURE	FOR INSTA	RUCTION:		10	21.7%		

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE MIDDLE SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES' 3 STORIES 4 STORIES TOTAL	OR 15 26 5 0 46	1GINAL 32.6 56.5 10.9 0.0 100.0	6 12 1 0 19	ADD1 31.6 63.2 5.3 0.0 100.0	6 6 4 0 16	ADD2 37.5 37.5 25.0 0.0 100.0	3 4 0 0 7	A003 42.9 57.1 0.0 0.0 100.0	14 1 0 0 15	7EMP1 93.3 6.7 0.0 0.0	6 0 0 0	TEMP2 100.0 0.0 0.0 0.0 100.0	3 0 0 0 3	TEMP3 100.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORI	3	6.5	0	0.0	1	6.3	0	0.0	0	0.0	0	0.0	0	0.0
ALL WOOD STRUCTURE	S OF MUR O	E THAN (	ONE STOR O	0.0	0	ؕ0	0	0.0	, 0	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE MIDDLE SCHOOLS IN COUNTY SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	OR	IGINAL		ADD1		ADDŞ		ADD3		TEMP1	•	TEMP2		TEMP3	
BRICK	34		17	89.5	15	93.8	5	71.4	Ž	13.3	1	16.7	, 0	0.0	
WCCO	0		0	0.0	Ō	0.0	0	0.0	3	20.0	0	0.0	0	0.0	
METAL	0		0	0.0	0	0.0	0	0.0	9	60.0	3	50.0	2	66.7	
STONE	Ď		Ō	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	0	0.0	
CONCRETE	Ō		Ō	0.0	0	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	
OTHER	ā	0.0	Õ	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	
BRICK, WOOD .	ð	0.0	Ö	0.0	Ō	0.0	Ō	0.0	Ò	0.0	Ō	0.0	0	0.0	
BRICK, METAL	,	4.3	ĭ	5.3	Ŏ	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	
	,	4.3	n	0.0	Ō	0.0	Ō	0.0	0	0.0	٥	0.0	0	0.0	
BRICK, STONE	4	6.5	٥	0.0	Ō	0.0	1	14.3	ō	0.0	Ō	0.0	ō	0.0	
BRICK, CONCRETE	) 1	2.2	1	5.3	1	6.3	i	14.3	ň	0.0	Õ	0.0	Ō	0.0	
BRICK, OTHER		0.0	Ô	0.0	, ō	0.0	ā	0.0	ō	0.0	Ō.	0.0	Ō	0.0	
BRICK, WOOD, METAL	v A	,	Ô	0.0	, 0	0.0	Ŏ	0.0	ñ	0.0	ō	0.0	Ō	0.0	
SRICK, WOCD, CONCRETE	9	0.0 6.5	0	0.0	0	0.0	ō	0.0	Ö	0.0	ō	0.0	Ō	0.0	
BRICK, METAL, CONCRETE		0.0	Ō	0.0	Ŏ	0.0	ŏ	0.0	Õ	0.0	Ŏ	0.0	Ō	0.0	H
BRICK, STONE, CONCRETE	ų A		Õ	0.0	0	0.0	Ö	0.0	Ō	0.0	Ŏ	0.0	ŏ	0.0	
BRICK, WOOD, METAL, CONCRETE		0.0	0	0.0	0	0.0	Õ	0:0	Õ	0.0	۸	0.0	Ō	0.0	
ALL GTHER COMBINATIONS	į.	2.2			0		0		1	6.7	9	33.3	i	33.3	
NO RESPONSE	ر ر	0.0	Q 10	0.0	=	0.0	-	0.0 100.0	į.	100.0	- 4	100.0	i i	100.0	
TOTAL	46	100.0	19	100.0	16	100.0	- 1	100.0	15	TANIA	6	TAČ 1	3	TAMAA	

## NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE MIDDLE SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EC	UIPHENT							,					
JUST CENTRAL JUST SPACE CENTRAL C SPACE NO RESPONSE TOYAL	ORIGINAL 44 95.7 2 4.3 0 0.0 0 0.0 46 100.0	ADD1 17 89.5 2 10.5 0 0.0 0 0.0	15 1 0 0	93.8 6.3 0.0 0.0	7 0 0 0 7	ADD3 100.0 0.0 0.0 0.0 100.0	3 11 0 1 15	TEMP1 20.0 73.3 0.0 6.7 100.0	0 4 0 2 6	TEMP2 0.0 66.7 0.0 33.3 100.0	0 1 1 1 3	7EMP3 0.0 33.3 33.3 33.3 100.0	
	i											,	•
COOLING EC	UIPMENT						1 .	•				· · · · · · ·	
JUST CENTRAL JUST WINDOW UNIT CENTRAL & WINDOW NO MECHANICAL TOTAL	ORIGINAL 22 47.8 2 4.3 0 0.0 22 47.8 46 100.0	ADD1 3 15.6 4 21.1 0 0.0 12 63.2 19 100.0	2 0 12	ADD2 12.5 12.5 0.0 75.0 100.0	0 1 0 6 7	ADD3 0.0 14.3 0.0 85.7 100.0	3 10 0 2 15	TEMP1 20.0 66.7 0.0 13.3 100.0	1 1 0 4 6	TEMP2 16.7 16.7 0.0 66.7 100.0	0 1 0 2 3	TEMP3 0.0 33.3 0.0 66.7 100.0	
WINDO	W UNIT COOLING					i							
ALL ROOMS SELECTED ROOMS NO RESPONSE TOTAL	ORIGINAL 0 0.0 2 100.0 0 0.0 2 100.0	ADD1 1 25.0 2 50.0 1 25.0 4 100.0	1 0	ADD2 50.0 50.0 0.0 100.0	0 1 0 1	ADD3 0.0 100.0 0,0 100.0	3 1 6 10	TEMP1 30.0 10.0 60.0	0 0 1 1	TEMP2 0.0 0.0 100.0 100.0	0 0 1 1	0.0 0.0 100.0 100.0	
LIGHTING I	ECUIPMENT								ŧ			Penas	
INCANDESCENT FLUORESCENT BOTH OTHER NO RESPONSE TOTAL	ORIGINAL  10 21.7  35 76.1  1 2.2  1 2.2  0 0.0  46 100.0	ADD, 5 26. 12 63. 1 5. 1 5. 0 0. 19 100.	12 12 10 10 10 10	ADD2 25.0 75.0 0.0 0.0 0.0	. 1 6 0 0 0 7	ADD3 14.3 85.7 0.0 0.0 0.0	1 13 0 0 1 15	TEMP1 6.7 86.7 0.0 0.0 6.7 100.0	0 3 0 0 3 6	TEMP2 0.0 50.0 0.0 0.0 50.0 100.0	0 2 0 0 1 3	0.0 66.7 0.0 0.0 33.3	

	NUMBER	PERCENTAGE	
WATER UTILITY	46	100.0	***********************
PUNP ON PROPERTY	0	0.0	
OTHER (WELLS, ETC.)	0	0.0	
NO RESPONSE	0	0.0.	
TOTAL	46	100.0	
TOTAL			107 207 307 407 507 607 707 807 907 1007

NUMBER AND PERCENTAGE OF PRINCIPALS OF LARGE MIDDLE SCHOOLS IN COUNTY SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

·	NUMBER	PERCENTAGE	
MAINTENANCE	23	50.0	**********
CONSTRUCTION	17	37.0	**********
BOTH	1	2.2	<b> </b> *
NEITHER (INCLUDING NO RESPONSE)	, 5	10.9	****
TOTAL	46	100.0	当我们的现在分词,我们就是一个一个,我们的现在分词,我们就是一个一个,我们就是一个一个,我们就是一个一个一个,我们就是一个一个一个一个一个一个一个一个一个一个一
₹ <del>世 ? ***</del> :			101 201 301 401 501 601 701 801 901 1001

PLANT PROFILES: LARGE MIDDLE SCHOOLS IN COUNTY SYSTEMS

	CRITERION		DEQUATE	SUBSTANDARD			
		NUMBER	PERCENTAGE	NUMBER	PERCENTAGE		
l.	ENROLLMENT/CAPACITY RATIO <= 1	22	48.9	23	51.1		
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	0	0.0	46	100.0		
3.	MEETS NATIONAL SITE SIZE STANDARDS	9	19.6	37	80.4		
4.	ORIGINAL BUILDING 30 YRS OLD OR LESS	32	69.6	14	30.4		
5.	NC TEMPORARY STRUCTURES	29	63.0	17	37.0		
6.	NO BASEMENT USED FOR INSTRUCTION	36	78.3	10	21.7		
7.	NO BUILDING OF WOOD EXCLUSIVELY	43	93.5	3	6.5		
8.	CENTRAL HEATING IN ORIGINAL BUILDING	44	95.7 -	2	4.3		
9.	CENTRAL AIR OR ALL WINDOW UNITS	22	47.8	17	37.0		
10.	COMPLETE FLUORESCENT LIGHTING	33	71.7	5	10.9		
11.	USE OF WATER UTILITY	46	100.0	. 0	0.0		
12.	MEETS 7 OF 11 OF ABOVE CRITERIA	. 27	58.7	, 3	6,5		

CATA DISPLAY 4.7

SHALL SECONDARY SCHOOLS IN COUNTY SYSTEMS

18 RESPONDENTS

NUMBER AND PERCENTAGE OF SHALL SECONDARY SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

FNROL	LHENT/CAPACITY	•		
ē.1125	RATIO	NUMBER	PERCENTAGE	
ABOVE	0.0- 0.5	2	11.1	*****
ABOVE	0.5- 0.8	8	44.4	*************
ABOVE	0.8- 1.0	5	27.8	***********
ABOVE	1.0- 1.5	. 3	16.7	******
ABCVE	1.5- 2.0	Ö	0.0	
ABGVE	2.0-13.0	0	0.0	1
a v	TOTAL	16	100.0	101 201 301 401 501 601 701 801 901 1001
ECUN	NIC THAT EYEFF	CAPACITYS	<b>3</b> .	16.7\$

NUMBER AND PERCENTAGE OF SMALL SECONDARY SCHOOLS IN COUNTY SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

10- LESS THAN 20 7 41-2   ***********************************	10- LESS THAN 20- LESS THAN 30- LESS THAN 30	30 2 50 0 00 0	11.8 0.0 0.0	
---------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------	--------------------	--

MEDIAN SCHOOL SITE SIZE IS 10 ACRES

NUMBER AND PERCENTAGE OF SMALL SECONDARY SCHOOLS IN COUNTY SYSTEMS MEETING SITE SIZE REQUIREMENTS: 0.01



NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL SECONDARY SCHOOLS IN COUNTY SYSTEMS DCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS) 60 OR OVER 40- LESS THAN 60 20- LESS THAN 40 LESS THAN 20 TOTAL	ORIGINAL 1 5.9 3 17.6 6 35.3 7 41.2 17 100.0	ACD1 0 0.0 0 0.0 3 33.3 6 66.7 9 100.0	ADD2 0 0.0 0 0.0 0 0.0 6 100.0 6 100.0	ADD3 0 0.0 0 0.0 0 0.0 2 100.0 2 100.0	TEMP1 0 0.0 0 0.0 0 0.0 1 100.0 1 100.0	TEMP2 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0	TEMP3 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0
--------------------------------------------------------------------------------	----------------------------------------------	-------------------------------------------------------	-------------------------------------------------------	-------------------------------------------------------	--------------------------------------------------------	------------------------------------------------------	------------------------------------------------------

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL SECONDARY SCHOOLS IN COUNTY SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

						1003		ADD3		TÉMPI		TEMPZ		TEMP3
	OR	IGINAL		ADDL	۸	ADDZ	. 0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1840 - 1870	0	0.0	0	0.0	0	0.0	_	0.0	۸	0.0	Ō	0.0	0	0.0
AFTER 1870 - 1880 ·	Ō	0.0	0	0.0	0	0.0	0	0.0	۸	0.0	ō	0.0	0	0.0
AFTER 1880 - 1890	0	0.0	0	0.0	0	0.0	0		À	0.0	Ō	0.0	0	0.0
AFTER 1890 - 1900	0	0.0	0	0.0	0	0.0	0	0.0	Ą	0.0	Ō	0.0	ō	0.0
AFTER 1900 = 1910	1	5.9	0	0.0	0	0.0	0	0.0	Ņ	0.0	Ţ	0.0	ō	0.0
AFTER 1910 - 1920	0	0.0	Q	0.0	0	0.0	0	0.0	0	0.0	Ö	0.0	Ŏ	0.0
AFTER 1920 - 1930	3	17.6	0	0.0	0	0.0	0	0.0	U A	0.0	Ō	0.0	ō	0.0
AFTER 1930 - 1940	1	5.9	2	22.2	0	0.0	0	0.0	V 0	0.0	Ö	0.0	ō	0.0
AFTER 1940 - 1950	3	17.6	1	11.1	0	0.0	0	0.0	V	0.0	Ŏ	0.0	Ō	0.0
AFTER 1950 - 1960	5	29.4	3	33.3	1	16.7	0	0.0	Ų A		0	0.0	ā	0.0
AFTER 1960 - 1970	4	23.5	3	33.3	4	66.7	2	100.0	Ų	0.0 100.0	Λ	0.0	0	0.0
AFTER 1970 - 1973	0	0.0	0	0.0	1	16.7	0	0.0	1	100.0	0	100.0	Õ	100.0
TOTAL	17	100.0	9	100.0	6	100.0	2	100.0	1	10010	U	TANIA	*	*****

OLDEST STRUCTURE	ORIGINAL	ADD1	ADD2	ADD3	TEMP1	TEMP2	TEMP3
	1908	1934	1956	1965	1971	0	O
MEAN YEAR OF CONSTRUCTION	1947	1955	1963	1965	1971	0	0

NUMBER AND PERCENTAGE OF SMALL SECONDARY SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADD	ITIONS	TEMPO	RARIES
Ō	B	44.4	17	94.4
1	4	22.2	1	5.6
2	5	27.8	0	0.0
3	Ī	5.6	0	0.0
TOTAL	18	100.0	18	100.0



## NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL SECONDARY SCHOOLS IN COUNTY SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

	GINAL 27.8	2	ADD1 22.2	1	ADDZ 16.7	0	ADD3 0.0	0	TEMP1 0.0	0	TEMP2 0.0	0	TEMP3 0.0
Ŧ		usi	NG BASEMENT	OF	SOME	STRUCTURE	FOR INS	TRUCTION	:	5	27.8%		

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL SECONDARY SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES 1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	14 3 1 0	GINAL 77.8 16.7 5.6 0.0	8 1 0 0	ADD1 88.9 11.1 0.0 0.0 100.0	5 1 0 0 6	ADD2 83.3 16.7 0.0 0.0	2 0 0 0 2	ADD3 100.0 0.0 0.0 0.0 100.0	1 0 0 0	TEMP1 100.0 0.0 0.0 0.0 100.0	0 0 0	TEHP2 0.0 0.0 0.0 0.0 100.0		0 0 0	TEMP3 0.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE		EFORE 1920 5.6	0	0.0	. ,	0.0	O	0.0	. 0	0.0	0	0.0	*	0	0.0
ALL WOOD STRUCTURES		THAN ONE	STOR' O	0.0	0	0.0	0	0.0	0	0.0	0	0.0		0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL SECONDARY SCHOOLS IN COUNTY SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	antetha.	ADD1	A002	ADD3	TEMP1	TEMP2	TEHP3
	ORIGINAL	8 88.9	5 83.3	1 50.0	1 100.0	0.0	0 0.0
BRICK	13 72.2 0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0
M000		0 0.0	0 0.0	1 50.0	0 0.0	0 0.0	0.0
METAL	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0,0
STONE	1 5.6	0 0.0	0 0.0	0 0.0	0 0.0	0.0	0.0
CCNCRETE	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0	0.0
OTHER	0 0.0 1 5.6	0 0.0	0 0.0	0 0.0	0 0.0	0.0	0.0
BRICK, WOOD	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0
BRICK, METAL	1 5.6	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0
BRICK, STONE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0	0.0
BRICK, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	o 0.0	0.0
BRICK, OTHER	0 0.0	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0.0
BRICK, WOOD, METAL	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0 19
BRICK, WODD, CONCRETE	2 11.1	1 11.1	0 0.0	0 0.0	0.0	0 0.0	0.0 0
BRICK, METAL, CONCRETE	0 0.0	0 0.0	0 0,0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, STONE, CONCRETE	0 0.0	0. 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, METAL, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
ALL OTHER COMBINATIONS	0 0.0	0 0.0	1 16.7	0 0.0	0 0.0	0 0.0	0.0
NO RESPONSE	10 100 0	9 100.0	A 100-0	2 100.0	1 100.0	0 100.0	0 100.0

#### NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL SECONDARY SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQ	UIPME' T						
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ORIGINAL 16 88.9 0 0.0 2 11.1 0 0.0 18 100.0	ADD1 8 88.9 0 0.0 1 11.1 0 0.0 9 100.0	ADD2 5 83.3 0 0.0 0 0.0 1 16.7 6 100.0	ADD3 2 100.0 0 0.0 0 0.0 0 0.0 2 100.0	TEMP1 1 100.0 0 0.0 0 0.0 0 0.0 1 100.0	TEMP2 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0	TEMP3 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0
•			,				
COOLING EC	UIPMENT						
JUST CENTRAL JUST WINDOW UNIT CENTRAL & WINDOW NO MECHANICAL TOTAL	ORIGINAL 3 16.7 4 22.2 0 0.0 11 61.1 18 100.0	A001 1 11.1 2 22.2 0 0.0 6 66.7 9 100.0	A002 1 16.7 1 16.7 0 0.0 4 66.7 6 100.0	ADD3 0 0.0 1 50.0 0 0.0 1 50.0 2 100.0	TEMP1 1 100.0 0 0.0 0 0.0 0 0.0 1 100.0	TEHP2 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0	TEMP3 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0
utung	W UNIT COOLING						
MINDU	M GUIT COOFING			-			
ALL ROOMS SELECTED ROOMS NC RESPONSE TOTAL	ORIGINAL 1 25.0 3 75.0 0 0.0 4 100.0	.A001 1 50.0 1 50.0 0 0.0 2 100.0	ADD2 0 0.0 1 100.0 0 0.0 1 100.0	ADD3 1 100.0 0 0.0 0 0.0 1 100.0	TEMP1 0 0.0 0 0.0 0 0.0 0 100.0	TEMP2 0 0.0 0 0.0 0 0.0 0 100.0	TEMP3 0 0.0 0 0.0 0 0.0 0 100.0
LIGHTING E	QUIPMENT				:	,	
	ORIGINAL	ACD1	ADD2	_ADD3	TEMP1	TEMP2	. TEMP3
INCANDESCENT	8 44.4	4 44.4	2 33.3	2 100.0	1 100.0	0 0.0	0 0.0
FLUGRESCENT	9 50.0 1 5.6	5 55.6 0 0.0	3 50.0 0 0.0	0 0.0	0 0.0 0 0.0	. 0 0.0 0 0.0	0 0.0
BOTH OTHER	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
NO RESPONSE Total	0 0.0 18 100.0	0 0.0 9 100.0	1 16.7 6 100.0	0 0.0 2 100.0	0 0.0 1 100.0	0 0.0 0 100.0	0 0.0 0 100.0 200



#### NUMBER AND PERCENTAGE CF SMALL SECONDARY SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY:

	NUMBER PERCENTAGE	
WATER UTILITY	13 72.?  ***********************	
PUMP ON PROPERTY	5 27.8  *********	
OTHER (HELLS, ETC.) NO RESPONSE	0 0.0	
	0 0.0	
TOTAL		1002

NUMBER AND PERCENTAGE OF PRINCIPALS OF SHALL SECONDARY SCHOOLS IN COUNTY SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCE	10	55.6	*********
CGNSTRUCTION	6	33.3	************
ROTH	0	0.0	
NEITHER (INCLUDING NO RESPONSE)	2	11.1	*****
TOTAL	18	100.0	
TOTAL	-		101 201 301 401 501 601 701 801 901 1001

PLANT PROFILES: SMALL SECONDARY SCHOOLS IN COUNTY SYSTEMS

CR ITÉR ION	- 4	DEQUATE	SUBSTANDARO			
<b>4.1.1.1.</b>	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE		
1. ENROLLMENT/CAPACITY RATIO <≈ 1	. 15	B3.3	3	16.7		
2. MEETS NATIONAL SCHOOL SIZE STANDARDS	8	44.4	10	55.6		
3. MEETS NATIONAL SITE SIZE STANDARDS	0	0.0	17	100.0		
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	12	70.6	5	29.4		
5. NC TEMPORARY STRUCTURES	17	94.4	1	5.6		
6. NO BASEMENT USED FOR INSTRUCTION	13	72.2	5	27.8		
7. NO BUILDING OF WOOD EXCLUSIVELY	18	100.0	0	0.0		
8. CENTRAL HEATING IN ORIGINAL BUILDING	18	100.0	Ó	0.0		
9. CENTRAL AIR OR ALL WINDOW UNITS	4	22.2	10	55.6		
10. COMPLETE FLUORESCENT LIGHTING	9	50.0	5	27.8		
11. USE OF WATER UTILITY	13	72.2	5	27.8		
1ERIC: 7 OF 11 OF ABOVE CRITERIA	10	55.6	0	0.0		

CATA DISPLAY 4.8

MEDIUM SECONDARY SCHOOLS IN COUNTY SYSTEMS

72 RESPONDENTS

NUMBER AND PERCENTAGE OF MEDIUM SECONDARY SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROLL	MENT/CAPACITY			•
	RATIO	NUMBER	PERCENTAGE	•
ABOVE ABOVE ABOVE ABOVE	0.0- 0.5 0.5- 0.8 0.8- 1.0 1.0- 1.5	1 8 35 22	1.4 11.4 50.0 31.4 4.3	**************************************
ABOVE ABOVE	1.5- 2.0 2.0-13.0 TOTAL	1 70	1.4	102 202 302 402 502 603 703 802 902 1002
SCHOO	LS THAT EXCEED	CAPACITY:	26	37.1\$

NUMBER AND PERCENTAGE OF MEDIUM SECONDARY SCHOOLS IN COUNTY SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES).

ACRES  O- LESS THAN 1  1- LESS THAN 5  5- LESS THAN 10  10- LESS THAN 20  20- LESS THAN 30  30- LESS THAN 50  50- LESS THAN 100  TOTAL	NUMBER 0 4 14 30 17 4 3	PERCENTAGE 0.0 5.6 19.4 41.7 23.6 5.6 4.2 100.0	* * * * * * * * * * * * * * * * * * *
TOTAL	72	100.0	107 207 307 407 507 607 707 807 907 1007

MEDIAN SCHOOL SITE SIZE IS 15 ACRES

NUMBER AND PERCENTAGE OF MEDIUM SECONDARY SCHOOLS IN COUNTY SYSTEMS MEETING SITE SIZE REQUIREMENTS: 5 6.9%

### NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM SECONDARY SCHOOLS IN COUNTY SYSTEMS CCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	ORIGINAL	Á	DD1	ADD2		ADD3		TEMP1		TEMP2		TEMP3
60 DR OVER			0.0	0.0	0	0.0	0	0.0	Ó	0.0	0	0.0
40- LESS THAN 60	1 1.4 9 12.9		0.0	0.0	Ŏ	0.0	0	0.0	0	0.0	0	0.0
	23 32.9	_	4.2 0	0.0	1	9.1	Ŏ	0.0	Ö	0.0	Ö	0.0
20- LESS THAN 40 LESS THAN 20	37 52.9		5.8 17	100.0	10	90.9	7	100.0	3	100.0	2	100.0
TOTAL	70 100.0	_	0.0 17	100.0	11	100.0	7	100.0	3	100.0	2	100.0

### NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM SECONDARY SCHOOLS IN COUNTY SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	ng.	IGINAL		ACD1		ADD2		ADD3		TEMP1	:	TEMP2		TEHP3
AFTER 1840 - 1870	0	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	0	0.0	Q	0.0
AFTER 1870 - 1880	ů	0.0	ō	0.0	Ď	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0
AFTER 1880 = 1890	. 0	0.0	Ō	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1890 - 1900	٥	0.0	Õ	0.0	Ō	0.0	Ö	0.0	· 0	0.0	0	0.0	0	0.0
AFTER 1900 - 1910	1	1.4	ō	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1910 - 1920	i	1.4	ō	0.0	ō	0.0	Ö	0.0	0	0.0	0	0.0	0	. 0.0
AFTER 1920 - 1930	Å	8.6	Ô	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1930 - 1940	7	10.0	,	6.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1940 - 1950	13	18.6	ī	3.0	Ò	0.0	1	9.1	0	0.0	0	0.0	0	0.0
AFTER 1950 - 1960	19	27.1	13	39.4	5	29.4	Ž	18.2	0	0.0	0	0.0	0	0.0
AFTER 1960 - 1970	20	28.6	14	42.4	10	58.8	5	45.5	4	57.1	ļ	33.3	1	50.0
AFTER 1970 - 1973	1	4.3	3	9.1	2	11.8	3	27.3	3	42.9	2	66.7	1	50.0
TOTAL	70	100.0	33	100.0	17	100.0	11	100.0	7	100.0	3	100.0	2	100.0

	ORIGINAL	ADD1 -	ADD2	ADD3	TEMPL	TEMP2	TEMP3
OLDEST STRUCTURE	1902	1937	1954	1950	1967	1967	1964
MEAN YEAR OF CONSTRUCTION	1951	1960	1963	1965	1969	1970 .	1968

### NUMBER AND PERCENTAGE OF MEDIUM SECONDARY SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDITIONS	TEMPORARIES
0	36 50.0	63 87.5
l	20 27.8	6 8.3
2	7 9.7	3 4.2
3	9 12.5	0 0.0
TOTAL	72 100.0	72 100.0



NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM SECONDARY SCHOOLS IN COUNTY SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

GRIGINAL		ADD1		ADDZ		ADD3		TEMPL		TEMPZ		TEMP3.
15 20.8	4	12.1	1	5.9	Q	0.0	0	0.0	0	0.0	Ō	0.0

SCHOOLS USING BASEMENT OF SOME STRUCTURE FOR INSTRUCTION:

16 22.2%

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM SECONDARY SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES 1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 49 19 4 0 72	68.1 26.4 5.6 0.0 100.0	28 5 0 0 33	ACD1 84.8 15.2 0.0 0.0 100.0	13 3 1 0 17	ADD2 76.5 .7.6 5.9 0.0 100.0	10 1 0 0	ADD3 90.9 9.1 0.0 0.0	7 0 0 0 7	TEMP1 100.0 0.0 0.0 0.0 100.0	3 0 0 3	TEMP2 100.0 0.0 0.0 0.0 100.0	2 0 0 0 2	TEMP3 100.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	3	4.2	0	0.0 / 0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM SECONDARY SCHOOLS IN COUNTY SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ORIGINAL	ADD1	AOD2	A003	TEMP1	TEMP2	TEMP3
BRICK	61 84.7	30 90.9	16 94.1	9 81.8	0 0.0	0 0,0 ,	0 0.0
WD00	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0	0 0.0
METAL	0 0.0	0 0.0	0 0.0	0.0	5 71.4	3 100.0	2 100.0
STONE	0 0.0	0.0	0 0.0	0 0.0	0 0.0	O • O	0 0.0
CONCRETE	0 0.0	0 0.0	0 0.0	1 9.1	0 0.0	0.0	0 0.0
CTHER	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0	0 0.0
BRICK, WOOD	0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, METAL	2 2.8	0 0.0	0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, STONE	1 1.4	0.0	0 0.0	0 0.0	0 0.0	0.0	0.0
BRICK, CONCRETE	3 4.2	1 3.0	0 0.0	0.0	0 0.0	0.0	0 0.0
BRICK, OTHER	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0
BRICK, WOOD, METAL	0.0	1 3.0	0 0.0	0.0	0 0.0	0 0.0	`0 0 <b>.</b> 0
BRICK, WOOD, CONCRETE	0 0.0	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0.0
BRICK, METAL, CONCRETE	2 2.8	0 0.0	0.0	0 0.0	0 0.0	0 0.0	0.0
BRICK, STONE, CONCRETE	1 1.4	1 3.0	1 5.9	1 9.1	0 0.0	0 0.0	0.0 0
BRICK, WOOD, METAL, CONCRETE	1 1.4	0.0	0 0.0	0 0.0	0 0.0	0 0.0	4 O.O O
ALL OTHER COMBINATION ,	1 1.4	0.0	0.0	0.0	2 28.6	0.0	0 0.0
NJ RESPONSE	0 0.0	0.0	0 0.0	0.0	0 0.0	0 0.0	. 0 0.0
TOTAL	72 100.0	33 100.0	17 100.0	11 100.0	7 100.0	3 100.0	2 100.0

# NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM SECONDARY SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQ	UIPMENT			·		•		_44
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ORIGINAL 62 86.1 7 9.7 3 4.2 0 0.0 72 100.0	ACD1 24 72.7 7 21.2 1 3.0 1 3.0 33 100.0	14 3 0 0	ADD2 82.4 8 17.6 3 0.0 0 0.0 0	ADD3 72.7 27.3 0.0 0.0 100.0	TEMP1 3 42.9 4 57.1 0 0.0 0 0.0 7 100.0	TEMP2 0 0.0 3 100.0 0 0.0 0 0.0 3 100.0	TEMP3 0 0.0 2 100.0 0 0.0 0 0.0 2 100.0
COOLING EC	DUIPMENT							
	ORIGINAL	. ADD1		ADD2	ADD3	TEMP1	TEMP2	TEMP3
WET FEWTÖKİ	11 15.3	7 21.2	, 5	29.4 2	18.2	6 85.7	3 100.0	0 0.0 1 50.0
JUST CENTRAL JUST WINDOW UNIT	21 29.2	9 27.3		17.6	27.3	1 14.3	0 0.0	1 50.0 0 0.0
CENTRAL & WINDON	0 0.0	0 0.0	0	0.0	0.0	0 0.0	0 0.0	1 50.0
NO MECHANICAL	40 55.6	17 51.5		52.9 6	54.5 100.0	0 0.0 7 100.0	3 100.0	2 100.0
TOTAL	72 100.0	33 100.0	17 1	.00.0 11	TANIA	1 700+0	2 2****	
, WINDO	W UNIT COOLING							
	ORIGINAL	ADDI		ADD2	AOD3	TEMP1	TEMP2	TEHP3
ALL ROOMS	6 28.6	4 44.4		33.3	33.3	0 0.0	0 0.0	0 0.0
SELECTED ROOMS	11 52.4	2 22.2	2	66.7 2	66.7	1 100.0	0 0.0	0 0.0 1 100.0
NO RESPUNSE	4 19.0	3 33.3	0	0.0	0.0	0 0.0	0 0.0 0 100.0	1 100.0
TOTAL	21 100.0	9 100.0	3 1	.00.0 3	100.0	1 10010		•
LIGHTING I	EQUIPMENT				ŧ			
	ORIGINAL	ACD1		ADD2	A003	TEMP1	TEMP2	TEMP3
INCANDESCENT	23 31.9	12 36.4	, 4	23.5 5	45.5	0 0.0	0 0.0	0 0.0 2 100.0
'FLUGRESCENT	42 58.3	18 54.5	11	64.7 5	45.5	7 100.0	3 100.0 0 0.0	0 0.0
BOTH	3 4.2	1 3.0		5.9 0	0.0 0.0	0 0.0	0 0.0	0 0.0
OTHER	3 4.2	0 0.0	_	.0.0	0.0 9.1	0 0.0	0 0.0	0.0
NO RESPONSE	1 1.4	2 6.1 33 100.0		5.9 1 100.0 11	100.0	7 100.0	3 100.0	2 100.0.
TOTAL	72 100.0	33 100.0	. 41 4	lántia ş <u>ş</u>	# # # # # #	·		20

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### NUMBER AND PERCENTAGE OF MEDIUM SECONDARY SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

ı	NUMBER	PERCENTAGE	
WATER UTILITY	69	95.8	********************************
PUMP ON PROPERTY	3	4.2	<b>  **</b>
OTHER (HELLS, ETC.)	0	0.0	
NO RESPONSE	0	0.0	
TOTAL	72	100.0	
			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

NUMBER AND PERCENTAGE OF PRINCIPALS OF MEDIUM SECONDARY SCHOOLS IN COUNTY SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	,
MAINTENANCE	30	41.7	**********
CGNSTRUCTION	38	52.8	****************
BOTH	0	0.0	
NEITHER (INCLUDING NO RESPONSE)	4	5.6	<b>本本本</b>
TOTAL	72	100.0	+ *** *** * * * * * * * * * * * * *
			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

PLANT PROFILES: MEDIUM SECONDARY SCHOOLS IN COUNTY SYSTEMS

	CRITERIUN	Δί	DEQUATE	ŠUBS	STANDARD
		NUMBER	PERCENTAGE	NUMBER	PERCENTAGE
1.	ENROLLMENT/CAPACITY RATIO <= 1	44	62.9	26	37.1
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	72	100.0	0	0.0
3.	MEETS NATIONAL SITE SIZE STANDARDS	5	6.9	67	93.1
4,	ORIGINAL BUILDING 30 YRS OLD OR LESS	53	75.7	17	24.3
5.	NC TEMPORARY STRUCTURES	63	87.5	9	12.5
6.	NG BASEMENT USED FOR INSTRUCTION	56	77.8	16	22.2
7.	NO BUILDING OF WOOD EXCLUSIVELY	72	100.0	0	0.0
₿.	CENTRAL HEATING IN ORIGINAL BUILDING	65	90.3	7	9.7
9.	CENTRAL AIR OR ALL WINDOW UNITS	16	22.2	30	41.7
10.	CCMPLETE FLUORESCENT LIGHTING	41	56.9	17	23.6
11.	USE OF WATER UTILITY	69	95.8	3	4,2
12.	MEETS 7 OF 11 OF ABOVE CRITERIA .	59	81.9	1	1.4

#### CATA DISPLAY 4.9

#### LARGE SECONDARY SCHOOLS IN COUNTY SYSTEMS

#### 91 RESPONDENTS

NUMBER AND PERCENTAGE OF LARGE SECONDARY SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROLLMENT/CAPACITY			
RATIO	NUMBER	PERCENTAGE	
ABCVE 0.0- 0.5	0	0.0	
ABOVE 0.5- 0.8	9	9.9	4***
480VE 0.8- 1.0	39	42.9	*****************
	36	39.6	************
- *******	7	7.7	1****
	Ö	0.0	
	91	100.0	
TOTAL	7.6		107 207 307 407 507 607 707 807 907 1007
2 t · · · · · · · · · · · · · · · · · ·			
•		.14	. 2 ==

SCHOOLS THAT EXCEED CAPACITY:

47.3%

NUMBER AND PERCENTAGE OF LARGE SECONDARY SCHOOLS IN COUNTY SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES).

ACRES 0- LESS THAN 1 1- LESS THAN 5 5- LESS THAN 10 10- LESS THAN 20 20- LESS THAN 30 30- LESS THAN 50 50- LESS THAN 100	, NUMBER 0 3 8 15 22 23 17	9.1 17.0 25.0 26.1 19.3	* **** ********  ***********  ********
TOTAL	. 88	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

MEDIAN SCHOOL SITE SIZE IS 26 ACRES

NUMBER AND PERCENTAGE OF LARGE SECONDARY SCHOOLS IN COUNTY SYSTEMS MEETING SITE SIZE REQUIREMENTS: 22 25.0%



### NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE SECONDARY SCHOOLS IN COUNTY SYSTEMS CCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	ORIGINA	L '	ADD1		ADD2		ADD3		TEMPI		TEMP2		TEMP3
60 OR OVER	2 2.	2 (	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0
40- LESS THAN 60	13 14.	6 2	4.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20- LESS THAN 40	20 22.	5 11	22.4	5	14.3	3	14.3	0	0.0	2	16.7	0	0.0
LESS THAN 20	54 60.	7 30	73.5	30	85.7	18	85.7	25	100.0	10	83.3	4	100.0
TOTAL	89 100.	0 49	100.0	35	100.0	21	100.0	25	100.0	12	100.0	4	100.0

### NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE SECONDARY SCHOOLS IN COUNTY SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED CECADES, 1840-1973

1	OR	IGINAL		ADD1		ADDZ		ADD3	1	TEMPL		TEMP2		TEMP3
AFTER 1840 - 1870	0	0.0	0	0.0	0	0.0	Q	0.0	0	0.0	0	0.0	0	0.0
AFTER 1870 - 1880	0	0.0	Ō	0.0	Ô	0,0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1880 - 1890	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	٥	0.0
AFTER 1890 - 1900	0	0.0	Õ	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1900 - 1910	2,	2.2	0	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	Ó	0.0
AFTER 1910 - 1920	2	2.2	0	0.0	0	0.0	0	0.0	Q.	0.0	0	0.0	0	0.0
AFTER 1920 - 1930	4	4.5	1	2.0	0	0.0	0	0,0	0.	0.0	0	0.0	0	0.0
AFTER 1930 - 1940	14	15.7	2	4.1	1	2.9	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1940 - 1950	7	7.9	6	12.2	3	8.6	0	0.0	Ç	0.0	. 1	8.3	0	0.0
AFTER 1950 - 1960	18	20.2	17	34.7	8	22.9	5	23.8	2	8.0	1	8.3	0	0.0
AFTER 1960 - 1970	30	33.7	20	40.8	20	57.1	15	71.4	15	60.0	5	41.7	2	50.0
AFTER 1970 - 1973	12	13.5	3	6.1	3	8.6	Ţ	4.8	8	32.0	5	41.7	. 2	50.0
TOTAL	89	100.0	49	100.0	35	100.0	21	100.0	25	100.0	12	100.0	4	100.0

	ORIGINAL	ADD1	ADD2	ADD3	TEMP1	TEMP2	TEMP3
OLDEST STRUCTURE	1910	1928	1938	1953	1955	1945	1967
MEAN YEAR OF CONSTRUCTION	1954	1958	1960	1963	1968	1966	1969

### NUMBER AND PERCENTAGE OF LARGE SECONDARY SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADD	ITIONS	TEMPORARIES				
0	38	41.8	62	68.1			
1	20	22.0	20	22.0			
2	14	15.4	6	6.6			
3	19	20.9	3	3.3			
TOTAL	91	100.0	91	100.0			

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NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE SECONDARY SCHOOLS IN COUNTY SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

GINAL 20.9	4	ADD1 8.2	6	ADD2 17.1	1	ADD3 4.8	1	TEMP1 4.0	0	TENP2 0.0	0	TEMP3
SCHOOL	S US11	NG BASEME	NT OF	SOME STRU	JCTURE (	FOR INST	RUCTION	1	23	25.38		1

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE SECONDARY SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 44 35 12 0 91	1GINAL 48.4 38.5 13.2 0.0	25 21 3 0 49	ADD1 51.0 42.9 6.1 0.0	17 16 2 0 35	A002 48.6 45.7 5.7 0.0 100.0	13 6 2 0 21	ADD3 61.9 28.6 9.5 0.0 100.0	23 2 0 0 25	TEMP1 92.0 8.0 0.0 0.0 100.0	12 0 0 0	TEMP2 100.0 0.0 0.0 0.0 100.0	000	TEMP3 100.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	6	6.6	0	0.0 Y 2.0	, , 0 1	0.0	0	0.0 4.8	0	0.0		0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE SECONDARY SCHOOLS IN COUNTY SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

######################################															
	OŘ	IGINAL		ADD1		ADD2		ADD3		TEMP1		TEMP2	_	TEMP3	
BRICK	71	78.0	39	79.6	25	71.4	13	61.9	4	16.0	2	16.7	Ō	0.0	
WOOD	Ō	0.0	1	2.0	1	2.9	1	4.8	7	28.0	5	41.7	3	75.0	
	Õ	0.0	Ō	0.0	1	2.9	0	0.0	10	40.0	3	25.0	1	25.0	
METAL	1	1.1	ī	2.0	Ō	0.0	Ö	0.0	0	0.0	Q	0.0	0	0.0	
STONE	1	1.1	i	2.0	ī	2.9	Ĭ	4.8	Ō	0.0	0	0.0	0	0.0	
CCNCRETE	7		Ō	0.0	i	2.9	Ī	4.8	2	8.0	0	0.0	Ō	0.0	
OTHER	0	0.0		0.0	ō	0.0	ō	0.0	ō	0.0	Ō	0.0	Ō		
BRICK, WOOD .		1.1	0		1	2.9	i	4.8	ō	0.0	Ō	0.0	Õ	0.0	
BRICK, METAL	6	6.6	0	0.0	Ţ		, ,		0	0.0	ō	0.0	Ŏ	0.0	
BRICK, STONE	0	0.0	Ō	0.0	0	0.0	Ų	0.0	_		Ö	0.0	Ō		
BRICK, CONGRETE	4	4.4	5	10.2	4	11.4	2	14.3	0	0.0				0.0	
BRICK, OTHER	0	0.0	0	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	0		
BRICK, WOOD, METAL	0	0.0	0	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	
BRICK, WOOD, CONCRETE	1	1.1	1	2.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1
BRICK, METAL, CONCRETE	4	4.4	1	2.0	1	2.9	1	4,8	1	4.0	1	8.3	0	0.0	,
BRICK, STONE, CONCRETE	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	
BRICK, WOOD, METAL, CONCRETE	Ō	0.0	, O		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
	2	2.2	0	0.0	Ō	0.0	0	0.0	1	4.0	0	0.0	0	0.0	
ALL OTHER COMBINATIONS	Ō	0.0	Ō	0.0	Ō	0.0	Ō	0.0	0	0.0	1	8.3	0	0.0	
NO RESPONSE	91		-	100.0	_		21		25	100.0	12	100.0	4	100.0	

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HEATING EQ	UIPMEN	Τ .	ž ^a											
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	OR 78 2 9 2 91	85.7 2.2 9.9 2.2 100.	42 2 3 2 49	ADD1 85.7 4.1 6.1 4.1 100.0	29 4 1 1 35	ADD2 82.9 11.4 2.9 2.9 100.0	17 3 0 1 21	AD03 81.0 14.3 0.0 4.8 100.0	8 14 2 1 25	TEMP1 32.0 56.0 8.0 4.0 100.0	4 6 0 2 12	TEMP2 33.3 50.0 0.0 16.7 100.0	1 3 0 0 4	TEMP3 25.0 75.0 0.0 0.0 100.0
COOLING EQ	ULPMEN	ī			,						•			•
JUST CENTRAL JUST WINDOW UNIT CENTRAL & WINDOW NO MECHANICAL TOTAL	OR 34 18 1 38 91	37.4 19.8 1.1 41.8 100.0	10 9 0 30 49	ACO1 20.4 18.4 0.0 61.2 100.0	8 5 0 22 35	ADD2 22.9 14.3 0.0 62.9	4 1 0 16 21	A0D3 19.0 4.8 0.0 76.2 100.0	5 6 0 14 25	TEMP1 20.0 24.0 0.0 56.0 100.0	0 2 0 10 12	TEMP2 0.0 16.7 0.0 83.3 100.0	0 1 0 3 4	0.0 25.0 0.0 75.0 100.0
MINDO	W UNIT	COOLING				ė.								
ALL ROOMS SELECTED ROOMS NO RESPONSE TOTAL	OR 5 13 1 19	1GINAL 26.3 68.4 5.3 100.0	1 7 1 9	AC01 11.1 77.8 11.1 100.0	0 5 0 5	ADD2, 0.0 100.0 0.0 100.0	1 0 0 1	ADD3 100.0 0.0 0.0 100.0	3 2 1 6	TEMP1 50.0 33.3 16.7 100.0	2 0 0 2	TEMP2 100.0 0.0 0.0 100.0	1 0 0 1	TEMP3 100.0 0.0 0.0 100.0
LIGHTING E	CUIPME	ΝĪ							; ;					
INCANDESCENT FLUORESCENT BOTH CTHER NO RESPONSE TOTAL	OR 18 71 1 0 1 91	19.8 78.0 1.1 0.0 1.1	11 37 0 1 0 49	ACO1 22.4 75.5 0.0 2.0 0.0	7 27 1 0 0 35	ADD2 20.0 77.1 2.9 0.0 0.0	5 15 0 0 1 21	ADD3 23.8 71.4 0.0 0.0 4.8 100.0	2 22 1 0 0 25	TEMP1 8.0 88.0 4.0 0.0 0.0 100.0	2 8 0 0 2	TEMP2 16.7 66.7 0.0 0.0 16.7 100.0	0 4 0 0 0	TEMP3 0.0 100.0 0.0 0.0 0.0 100.0

### NUMBER AND PERCENTAGE OF LARGE SECONDARY SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

WATER UTILITY PUMP ON PROPERTY CTHER (WELLS, ETC.)	,	NUMBER 90 1 0	98.9 1.1 0.0 0.0	************
NO RESPONSE TOTAL		91	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

## NUMBER AND PERCENTAGE OF PRINCIPALS OF LARGE SECONDARY SCHOOLS IN COUNTY SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	*:
MAINTENANCE	36	39.6	*******
CCNSTRUCTION	50	54.9	******************
BOTH	1	1.1	
NEITHER (INCLUDING NO RESPONSE)	.4.,	4.4	章章
TOTAL	91	100.0	备 建基础 电影亮 医亲生 医球性球球 医甲状腺素 医普鲁氏病 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤
IVIAL	••	****	101 201 301 401 501 601 701 801 901 1001

PLANT PROFILES: LARGE SECONDARY SCHOOLS IN COUNTY SYSTEMS

CRITERION	A Number	DEQUATE PERCENTAGE	SUBSTANDARD Number Percentage		
1. ENROLLMENT/CAPACITY RATIO <= 1	48	· 52.7	43	47.3	
2. MEETS NATIONAL SCHOOL SIZE STANDARDS	38	41.8	53	58.2	
3. MEETS NATIONAL SITE SIZE STANDARDS	22	25.0	66	75.0	
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	67	75.3	22	24.7	
5. NG TEMPORARY STRUCTURES	62	68.1	29	31.9	
6. NO BASEMENT USED FOR INSTRUCTION	68	74.7	23	25.3	
7. NO BUILDING OF WOOD EXCLUSIVELY	. 81	89.0	10	11.0	
8. CENTRAL HEATING IN ORIGINAL BUILDING	87	95.6.	4	4.4	
9. CENTRAL AIR OR ALL WINDOW UNITS	39	42.9	27	29.7	
10. CCMPLETE FLUORESCENT LIGHTING	67	73.6	8	6.8	
11. USE OF WATER UTILITY	90	98.9	1	1.1	
ERIC TS 7 OF 11 OF ABOVE CRITERIA	57	62.6	3.	3.3	

#### SMALL COMBINED SCHOOLS IN COUNTY SYSTEMS

#### 15 RESPONDENTS

NUMBER AND PERCENTAGE OF SMALL COMBINED SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROLI	LMENT/CAPACITY			
	RATIO	NUMBER	PERCENTAGE	
ABCVE	0.0- 0.5	3	21.4	4*******
ABOVE	0.5- 0.8	6	42.9	************
ABCVE.	0.8- 1.0	4	28.6	*********
ABOVE	1.0- 1.5	1	7.1	***
ABCVE	1.5- 2.0	0	0.0	
ABOVE	2.0-13.0	0	0.0	1
	TOTAL	14	100.0	######################################
				10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
			_	- 4-

SCHOOLS THAT EXCEED CAPACITY: 1

7.13

NUMBER AND PERCENTAGE OF SMALL COMBINED SCHOOLS IN COUNTY SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES	NUMBER	PERCENTAGE	
O- LESS THAN 1	0	0.0	
1- LESS THAN 5	7	46.7	******
5- LESS THAN 10	5	33.3	*********
10- LESS THAN 20	3	20.0	*******
20- LESS THAN 30	0	0.0	
30- LESS THAN 50	0	0.0	
50- LESS THAN 100	0	0.0	
TOTAL	15	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

MEDIAN SCHOOL SITE SIZE IS 5 ACRES

NUMBER AND PERCENTAGE OF SMALL COMBINED SCHOOLS IN COUNTY SYSTEMS MEETING SITE SIZE REQUIREMENTS: 0 0.0%

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NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL COMBINED SCHOOLS IN COUNTY SYSTEMS CCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

/ II. UF (0)	an të tik i i	4001	ADD2	ECCA	TEMPL	TEMP2	TEMP3
AGE (IN YEARS) 60 OR OVER 40- LESS THAN 60 20- LESS THAN 40 LESS THAN 20	ORIGINAL 1 7.1 5 35.7 8 57.1 0 0.0	ADD1 0 0.0 0 0.0 2 20.0 8 80.0	ADD2 0 0.0 0 0.0 1 33.3 2 66.7	0 0.0 0 0.0 0 0.0 0 0.0	0 7.0 0 3.0 1 100.0 0 0.0	0 0.0 0 0.0 0 0.0 0 0.0	0 0.0 0 0.0 0 0.0 0 0.0
TOTAL	14 100.0	10 100.0	3 100.0	0 100.0	1 100.0	0 100.0	0 100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL COMBINED SCHOOLS IN COUNTY SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	ān	TOTALAL		ACD1		ADD2		ADD3		TEMP1		TEMP2		TEMP3
	UK	IGINAL			٨	0.0	0	0.0	Ō	0.0	Ō	0.0	0	0.0
AFTER 1840 - 1870	0	0.0	0	0.0	0		_		۸	0.0	0	0.0	0	0.0
AFTER 1870 - 1880	0	0.0	0	0.0	0	0.0	Ō	0.0	U				۸	
AFTER 1800 - 1890	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	Q	0.0	Ü	0.0
	ì	7.1	ō	0.0	0	0.0	Ô	0.0	0	0.0	0	0.0	Q	0.0
AFTER 1890 - 1900	i.		_		ō	0.0	Ö	0.0	٥	0.0	0	0, 0	0	0.0
AFTER 1900 - 1910	ŷ.	0.0	0	0.0	V			0.0	ā	0.0	0	0.0	0	. 0.0
AFTER 1910 - 1920	0	0.0	0	0.0	V	0.0	.Q.		ų A		Õ	0.0	Ā	0.0
AFTER 1920 - 1930	5	35.7	Ō	0.0	0	0.0	0	0.0	Ų	0.0			V	
AFTER 1930 - 1940	,	14.3	0	0.0	. 0	0.0	. 0	0.0	1	100.0	0	0.0	Ų	0.0
	<u>-</u>		- 5	20.0	. 1	33.3	Ō	0.0	0	0.0	0	0.0	0	0.0
AFTER 1940 - 1950		14.3		_	•	33.3	Ö	0.0	0	0.0	0	0.0	0	0.0
AFTER 1950 - 1960	4	28.6	5	30.0					۸	0.0	Ô	0.0	a	0.0
AFTER 1960 - 1970	0	0.0	5	50,0	Q	0.0	0	0.0	V		V A		٨	0.0
AFTER 1970 - 1973	0	0.0	0	0.0	1	33.3	Q	Q.O	U	0.0	Ų	0.0	Ų	
TOTAL	14	100.0	10	100.0	3	100.0	0	100.0	1	100.0	0	100.0	C	100.0

	ORIGINAL	ADD1 -	ADD2	ADD3	TEMPL	TEMP2	TEMP3
OLCEST STRUCTURE	1900	1948	1948	0	1936	Ų	0
MEAN YEAR OF CONSTRUCTION	1936	1958	1958	0	1936	Q	0

NUMBER AND PERCENTAGE OF SMALL COMBINED SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADD	ITIONS	TEMPORARIES				
0	4	26.7	14	93.3			
ì	9	60.0	1	6.7			
Ž	2	13.3	0	0.0			
3	0	0.0	0	0.0			
TOTAL	15	100.0	15	100.0			



NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL COMBINED SCHOOLS IN COUNTY SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

ORIGINAL 7 46.7 1	ADD1 10.0	0	ADD2 0.0	0	ADD3 0.0	0	TEMP1 0.0	0	TEMP2 0.0	0	TEMP3 0.0

SCHOOLS USING BASEMENT OF SOME STRUCTURE FOR INSTRUCTION:

53.3%

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL COMBINED SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES 1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 6 9 0 0	IGINAL 40.0 60.0 0.0 0.0	8 2 0 0	ADD1 80.0 20.0 0.0 0.0 100.0	1 2 0 0 3	ADD2 33.3 66.7 0.0 0.0	0 0 0 0	ADD3 0.0 0.0 0.0 0.0 100.0	1 0 0 0 1	TEMP1 100.0 0.0 0.0 0.0 100.0	0 0 0 0	TEMP2 0.0 0.0 0.0 0.0 0.0	0 0 0 0	TEMP3 0.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	1	BEFORE 6.7 E THAN	0	0.0 Y	0	0.0	. 0	0.0	0	0.0	0	0.0	0	0.0
WEE WOOD SINGLOVES	1	6.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL, COMBINED SCHOOLS IN COUNTY SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ORIGINAL	ADD1	ADD2	ADD3	TEMP1	TEMP2	TEMP3
66161	10 66.7	7 70.0	2 66.7	0 0.0	0.0	0 0.0,	0 0.0
BEICK	1 6.7	0 0.0	0 0.0	0.0	1 100.0	0 0.0	0 0.0
WC09	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
METAL	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
STONE		1 10.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
CCNCRETE	2 13.3	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
OTHER	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, METAL	0 0.0	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0
BRICK, STONE	0 0.0	1 10.0	0 0.0	0 0.0	0 0.0	0 0.0	.0 0.0
BRICK, CONCRETE	1 6.7		0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, OTHER	0 0.0	0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, METAL	0 0.0	0 0.0	1 33.3	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, CONCRETE	0 0.0	0 0.0		0 0.0	0 0.0	0 0.0	0 0.0
BRICK, METAL, CONCRÉTÉ	1 6.7	0 0.0		0 0.0	0 0.0	0 0.0	0 0.0
BRICK, STONE, CONCRETE	0 0.0	0 0.0	0 0.0		0 0.0	0 0.0	0 0.0
BRICK, WOOD, METAL, CONCRETE	0 0.0	0 0.0	0 0.0			0 0.0	0 0.0
ALL OTHER COMBINATIONS	0 0.0	1 10.0	, 0 0.0	0.0		0 0.0	0 0.0
NO RESPONSE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0		0 100.0
. ŤŌŤAI	15 100.0	10 100.0	3 100.0	0 100.0	1 100.0	0 100.0	A TAREA

ERIC Full text Provided by ERIC

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# NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL COMBINED SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQ	UIPMENT					1	
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ORIGINAL 13 86.7 1 6.7 0 0.0 1 6.7 15 100.0	ADD1 8 60.0 1 10.0 0 0.0 1 10.0 10 100.0	ADD2 3 100.0 0 0.0 0 0.0 0 0.0 3 100.0	ADD3 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0	TEMP1 1 100.0 0 0.0 0 0.0 0 0.0 1 100.0	TEMP2 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0	TEMP3 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0
COOLING EQ	UIPMENT						
	ORIGINAL	ADD1	ADD2	ADD3	TEMP1	TEMP2	TEHP3
wet erutoil	0 0.0	0 0.0	1 33.3	0 0.0	0 0.0	0 0.0	0.0
JARTHED TRUL TINU WODNIW TRUL	2 13.3	1 10.0	0.0	0 0.0	0 0.0	0 0.0	0 0.0 0 0.0
CENTRAL & WINDOW	0 0.0	0.0	0 0.0	0 0.0	0 0.0	0 0.0 0 0.0	0 0.0
NO MECHANICAL	13 86.7	9 90.0	2 66.7	0 0.0	1 100.0 1 100.0	0 100.0	0 100.0
TOTAL	15 100.0	10 100.0	3 100.0	0 100.0	1 10010	0 10000	* *****
MINDO	W UNIT COOLING						
	ORIGINAL	A001	ADD2 ,	ADD3	TEMPl	TEMPZ	TEMP3
ALL ROOMS	1 50.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
SELECTED ROOMS	1 50.0	1 100.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
NO RESPONSE	0.0	0 0.0	0 0.0	0 0.0	0 0.0 0 100.0	0 100.0	0 100.0
TOTAL	2 100.0	1 100.0	0 100.0	0 100.0	A 1001A	0 10010	
LIGHTING E	:QUI PMENT						
	as tetual	ACDL	AOD2	ADD3	TEMP1	TEMP2	TEMP3
i. Zilopřetu <b>t</b>	ORIGINAL 5 33.3	3 30.0	0 0.0	0.0	1 100.0	0 0.0	0.0
INCANDESCENT Flucrescent	6 40.0	7 70.0	3 100.0	0 0.0	0 0.0	0 0.0	0 0.0
BOIH	1 6.7	0.0	0 0.0	0 0.0	0 0.0	0 0.0 0 0.0	0 0.0
OTHER	3 20.0	0.0	ο ο.O	,0 0*0	0 0.0 0 0.0	0 0.0	0 0.0
NO RESPONSE	0 0.0	0 0.0	0.0	0 0.0 C 100.0	1 100.0	. 0 100.0	0 100.0
TOTAL	15 100.0	10 100.0	3 100.0			~ w m d * 5 * 7	
					1		ŀ

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NUMBER AND PERCENTAGE OF SMALL COMBINED SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE	
WATER UTILITY	10	66.7	*************************************
PUMP ON PROPERTY	4	26.7	*********
OTHER (WELLS, ETC.)	1	6.7	***
NO RESPONSE	0	0.0	
TOTAL	15	100.0	를 받는 도구들을 한 등을 한 장면 중단 등 등을 통하는 말을 한 중 중요를 한 등 등을 만 다 못 못 하는 중요한 한 명 한 명 중요한
, = - , - =			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

NUMBER AND PERCENTAGE OF PRINCIPALS OF SMALL COMBINED SCHOOLS IN COUNTY SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCE	10	66.7	******
CONSTRUCTION	4	26.7	******
BCTH	0	0.0	1
NEITHER (INCLUDING NO RESPONSE)	1	6.7	章章章
TOTAL	15	100.0	要 <del>使有 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 全面 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 end 10 </del>
		•	104 204 304 404 504 604 704 804 904 1004

PLANT PROFILES: SMALL COMBINED SCHOOLS IN COUNTY SYSTEMS

	CRITERION	A NUMBER	DEQUATE PERCENTAGE		STANDARO PERCENTAGE
1.	ENROLLMENT/CAPACITY RATIO <= 1	. 13	92.9	1	7.1
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	4	26.7	11	73.3
3.	MEETS NATIONAL SITE SIZE STANDARDS	0	0.0	15	100.0
4.	ORIGINAL BUILDING 30 YRS OLD OR LESS	6	42.9	ė	57.1
5.	NC TEMPORARY STRUCTURES	14	93.3	1	6.,7
6.	NO BASEMENT USED FOR INSTRUCTION	7	46.7	8	53.3
7.	NO BUILDING OF WOOD EXCLUSIVELY	13	86.7	2	13.3
8.	CENTRAL HEATING IN ORIGINAL BUILDING	13	86.7	Ź	13.3
9.	CENTRAL AIR OR ALL WINDOW UNITS	1	6.7	12	80.0
10.	COMPLETE FLUORESCENT LIGHTING	6	. 40.0	5	33.3
11.	USE OF WATER UTILITY	10	66.7	5	33.3
12.	MEETS 7 OF 11 OF ABOVE CRITERIA	6	40.0	2	13.3

#### DATA DISPLAY 4.11

#### MEDIUM COMBINED SCHOOLS IN COUNTY SYSTEMS

#### 41 RESPONDENTS

NUMBER AND PERCENTAGE OF MEDIUM COMBINED SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROL	LMENT/CAPACITY			:
	RATIO	NUMBER	PERCENTAGE	
ABOVE	0.0-0.5	0	0.0	
ABOVE	0.5- 0.8	3	7.9	****
ABOVE	0.8- 1.0	20	52.6	************
ABOVE	1.0- 1.5	115	39.5	*******
ABOVE	1.5 2.0	0	0.0	
ABOVE	2.0=13.0	0	0.0	
***	TOTAL	38	100.0	귳꿪꿪춙졲삊븢횼훆믮뇙팣믇뚔땓묫묲  뺚벾쿅옾믔삒뮵뚕믮쒖뫂퍝굕뚔被촧쳦춖묨뀰묨둮똣쿅됮뫢  뽰캶뫢뼥
		_		101 201 301 401 501 601 701 801 901 1001

SCHOOLS THAT EXCEED CAPACITY: 15

39.57

NUMBER AND PERCENTAGE OF MEDIUM COMBINED SCHOOLS IN COUNTY SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES) .

ACRES	NUMBER	PERCENTAGE	
O- LESS THAN 1	0	0.0	
1= LESS THAN 5	5	13.2	*****
5- LESS THAN 10	12	31.6	1 # # # # # # # # # # # # # # # # # # #
10- LESS THAN 20	14	36.8	***********
20- LESS THAN 30	4	10.5	<b>埃萊萊萊</b>
30- LESS THAN 50	3	7.9	<b>申申申</b>
50- LESS THAN 100	Q	0.0	1
TOTAL	38 ,	100.0	107 207 307 407 507 607 707 807 907 1007

MEDIAN SCHOOL SITE SIZE IS 10 ACRES

NUMBER AND PERCENTAGE OF MEDIUM COMBINED SCHOOLS IN COUNTY SYSTEMS MEETING SITE SIZE REQUIREMENTS: 1 2.6%



NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM COMBINED SCHOOLS IN COUNTY SYSTEMS OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	ORIGINAL	Δ	1901	ADD2		ADD3		TEMPl		TEMP2		TEHP3
60 OR OVER	5 12.8		0.0 0	0.0	0	0.0	0	0.0	Ō,	0.0	0	0.0
40- LESS THAN 60	15 38.5	3	9.4 0	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0
20- LESS THAN 40	13 33.3	18 5	6.3 6	21.4	1	5.3	1	10.0	0	0.0	0	0.0
LESS THAN 20	6 15.4	11 3	14.4 22	78.6	10	94.7	9	90.0	5	100.0	1	100.0
TOTAL	39 100.0	32 10	0.0 28	100.0	19	100.0	. Ô	100.0	5	100.0	1	100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM COMBINED SCHOOLS IN COUNTY SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

y	OR	İĞİNAL		ADD1		ADO2		ADD3		TEMPL		TEMP2		TEMP3
AFTER 1840 - 1870	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	. 0	0.0	0	0.0
AFTER 1870 - 1880	1	2.6	0	0.0	.0	0.0	Û	0.0	0	0.0	Ō	0.0	0	0.0
AFTER 1880 - 1890	0	0.0	ŗ	0.0	0	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0
AFTER 1890 - 1900	Ö	0.0	Ç	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1900 - 1910	3	7.7	0	0.0	٥	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1910 - 1920	3	7.7	1	3.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1920 - 1930	13	33.3	2	6.3	0	0.0	Q	0.0	0	0.0	Q	0.0	0	0.0
AFTER 1930 - 1940	5	12.8	2	6.3	1	3.6	0	0.0	0	0.0	0	0.0	Q	0.0
AFTER 1940 - 1950	8	20.5	9	28.1	4	14.3	1	5.3	0	0.0	0	0.0	0	0.0
AFTER 1950 - 1960	2	- 5.1	12	37.5	16	57.1	2	10.5	1	10.0	1	20.0	Q	0.0
AFTER 1960 - 1970	4	10.3	6	18.8	6	21.4	11	57.9	3	30.0	1	20.0	0	0.0
AFTER 1970 - 1973	0	0.0	0	0.0	1	3.6	5	26.3	6	60.0	3	60.0	1	100.0
TOTAL	39	100.0	32	100.0	28	100.0	19	100.0	10	100.0	5	100.0	1	100.0

	<b>ORIGINAL</b>	ADD1 .	ADDZ	ADD3	TEMP1	TEMP2	TEMP3
OLDEST STRUCTURE	1830	1920	1938	1947	1952	1958	1972
MEAN YEAR OF CONSTRUCTION	1933	1950	1957	1965	1969	1968	1972

NUMBER AND PERCENTAGE OF MEDIUM COMBINED SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADD	ITIONS	TEMPO	RARIES
Ō	5	12.2	29	70.7
1	8	19.5	8	19.5
2	13	31.7	4	9.8
3	15	36.6	0	0.0
TOTAL	41	100.0	41	100.0

### NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM COMBINED SCHOOLS IN COUNTY SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

ORIGINAL	ADD1	A002	ADD3	TEMP1	TEMP2	TEMP3
8 19.5	3 9.4	3 10.7	0.0	1 10.0	1 20.0	0 0.0

SCHOOLS USING BASEMENT OF SOME STRUCTURE FOR INSTRUCTION:

13 31.7%

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM COMBINED SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES 1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 27 13 1 0 41	31.7 2.4 0.0 100.0	25 7 0 0 32	A0D1 78.1 21.9 0.0 0.0	23 5 0 0 28	ADD2 82.1 17.9 0.0 0.0 100.0	16 3 0 0	ADD3 64.2 15.8 0.0 0.0	10 0 0 0	TEMP1 100.0 0.0 0.0 0.0 100.0	5 0 0 0 5	TEMP2 100.0 0.0 0.0 0.0 100.0	0 0 0 1	TEMP3 100.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	BUILT 6	BEFORE 19	920 0	0.0	0	0•0	Ó	0.0	Ó	0.0	0	0.0	0	0.0
ALL WCOD STRUCTURES	OF MOR	E THAN ON O.O	NE STOR O	Y 0.0	0	0.0	0	0.0	0	0.0	. 0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM COMBINED SCHOOLS IN COUNTY SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

ÓR	IGINAL		ADD1		A002		ADD3		TEMPl		TÉMP2		TEMP3	
		26	81.3	24	85.7	15	78.9	. 1	10.0	, 1	20.0	. 0	0.0	
		1	3.1	1	3.6	Ò	0.0	1	10.0	1	20.0	0	0.0	
Ó		1	3.1	1	3.6	2	10.5	6	60.0	1	20.0	Q	0,0	
i		Ō	0.0	Ó	0.0	0	0.0	0	0.0	. 0	0.0	0	0.0	
1		3	9.4	0	0.0	0	0.0	1	10.0	Ō	0.0	0	0.0	
Č		Ó		0	0.0	1	5.3	1	10.0	Q	0.0	Ó	0.0	
_		Ō		0		Ō		0	0.0	0	0.0	0	0.0	
		0		0	0.0	0	0.0	- 0	0.0	0	0.0	0	0.0	
1		Ō		0	0.0	Ó	0.0	0	0.0	0	0.0	0	0.0	
Ó		ì				0		0	0.0	0	0.0	0	0.0	
		Ò		0	0.0	0	0.0	0	0.0	0	0.0	Q	0.0	
		0		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
_		_				0		Ó		0		0		
1								Ō		0		0		
Ô						_		. 0		Ō		_		r.J
ď								Ō		Q		i		
-		_						_		ī				
ì				_		1				1		_		
41						19		-		Ŝ		-		
	36	ORIGINAL 36 87.8 0 0.0 0 0.0 1 2.4 1 2.4 0 0.0 0 0.0 1 2.4 0 0.0 0 0.0 1 2.4 0 0.0 0 0.0 1 2.4 0 0.0 0 0.0 1 2.4 4 1 100.0	36 87.8 26 0 0.0 1 0 0.0 1 1 2.4 0 1 2.4 3 0 0.0 0 0 0.0 0 0 0.0 0 1 2.4 0 0 0.0 0 0 0.0 0 0 0.0 0 1 2.4 0 0 0.0 0 0 0.0 0 1 2.4 0 0 0.0 0 1 2.4 0 0 0.0 0 1 2.4 0 0 0.0 0 1 2.4 0 0 0.0 0 1 2.4 0 0 0.0 0 1 2.4 0 0 0.0 0 0 0.0 0 1 2.4 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	36 87.8 26 81.3 0 0.0 1 3.1 0 0.0 1 3.1 1 2.4 0 0.0 1 2.4 3 9.4 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 1 2.4 0 0.0 0 0.0 1 3.1 0 0.0 0 0.0 0 0.0 0 0.0 1 2.4 0 0.0 0 0.0 0 0.0 1 2.4 0 0.0 0 0.0 0 0.0 1 2.4 0 0.0 1 2.4 0 0.0 1 2.4 0 0.0 1 2.4 0 0.0 1 2.4 0 0.0	36 87.8 26 81.3 24 0 0.0 1 3.1 1 0 0.0 1 3.1 1 1 2.4 0 0.0 0 1 2.4 3 9.4 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 1 3.1 2 0 0.0 0 0.0 0 0 0.0 1 3.1 2 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 1 2.4 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0.0 0	36       87.8       26       81.3       24       85.7         0       0.0       1       3.1       1       3.6         0       0.0       1       3.1       1       3.6         1       2.4       0       0.0       0       0.0         1       2.4       3       9.4       0       0.0         0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0 </td <td>36       87.8       26       81.3       24       85.7       15         0       0.0       1       3.1       1       3.6       0         0       0.0       1       3.1       1       3.6       2         1       2.4       0       0.0       0       0.0       0         1       2.4       3       9.4       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0</td> <td>36       87.8       26       81.3       24       85.7       15       78.9         0       0.0       1       3.1       1       3.6       0       0.0         0       0.0       1       3.1       1       3.6       2       10.5         1       2.4       0       0.0       0       0.0       0       0.0         1       2.4       3       9.4       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       &lt;</td> <td>36       87.8       26       81.3       24       85.7       15       78.9       1         0       0.0       1       3.1       1       3.6       0       0.0       1         0       0.0       1       3.1       1       3.6       2       10.5       6         1       2.4       0       0.0       0       0.0       0       0.0       0         1       2.4       3       9.4       0       0.0       0       0.0       1         0       0.0       0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0       0.0       0         0       0.0</td> <td>36       87.8       26       81.3       24       85.7       15       78.9       1       10.0         0       0.0       1       3.1       1       3.6       0       0.0       1       10.0         0       0.0       1       3.1       1       3.6       2       10.5       6       60.0         1       2.4       0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0       1       10.0         0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       <td< td=""><td>36       87.8       26       81.3       24       85.7       15       78.9       1       10.0       1         0       0.0       1       3.1       1       3.6       0       0.0       1       10.0       1         1       2.4       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0</td><td>36       87.8       26       81.3       24       85.7       15       78.9       1       10.0       1       20.0         0       0.0       1       3.1       1       3.6       0       0.0       1       10.0       1       20.0         0       0.0       1       3.1       1       3.6       2       10.5       6       60.0       1       20.0         1       2.4       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       <td< td=""><td>36       87.8       26       81.3       24       85.7       15       78.9       1       10.0       1       20.0       0         0       0.0       1       3.1       1       3.6       0       0.0       1       10.0       1       20.0       0         0       0.0       1       3.1       1       3.6       2       10.5       6       60.0       1       20.0       0         1       2.4       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0</td><td>36         87.8         26         81.3         24         85.7         15         78.9         1         10.0         1         20.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0</td></td<></td></td<></td>	36       87.8       26       81.3       24       85.7       15         0       0.0       1       3.1       1       3.6       0         0       0.0       1       3.1       1       3.6       2         1       2.4       0       0.0       0       0.0       0         1       2.4       3       9.4       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0	36       87.8       26       81.3       24       85.7       15       78.9         0       0.0       1       3.1       1       3.6       0       0.0         0       0.0       1       3.1       1       3.6       2       10.5         1       2.4       0       0.0       0       0.0       0       0.0         1       2.4       3       9.4       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       <	36       87.8       26       81.3       24       85.7       15       78.9       1         0       0.0       1       3.1       1       3.6       0       0.0       1         0       0.0       1       3.1       1       3.6       2       10.5       6         1       2.4       0       0.0       0       0.0       0       0.0       0         1       2.4       3       9.4       0       0.0       0       0.0       1         0       0.0       0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0       0.0       0         0       0.0       0       0.0       0       0.0       0       0.0       0         0       0.0	36       87.8       26       81.3       24       85.7       15       78.9       1       10.0         0       0.0       1       3.1       1       3.6       0       0.0       1       10.0         0       0.0       1       3.1       1       3.6       2       10.5       6       60.0         1       2.4       0       0.0       0       0.0       0       0.0       0       0.0         0       0.0       0       0.0       0       0.0       0       0.0       1       10.0         0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0 <td< td=""><td>36       87.8       26       81.3       24       85.7       15       78.9       1       10.0       1         0       0.0       1       3.1       1       3.6       0       0.0       1       10.0       1         1       2.4       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0</td><td>36       87.8       26       81.3       24       85.7       15       78.9       1       10.0       1       20.0         0       0.0       1       3.1       1       3.6       0       0.0       1       10.0       1       20.0         0       0.0       1       3.1       1       3.6       2       10.5       6       60.0       1       20.0         1       2.4       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       <td< td=""><td>36       87.8       26       81.3       24       85.7       15       78.9       1       10.0       1       20.0       0         0       0.0       1       3.1       1       3.6       0       0.0       1       10.0       1       20.0       0         0       0.0       1       3.1       1       3.6       2       10.5       6       60.0       1       20.0       0         1       2.4       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0</td><td>36         87.8         26         81.3         24         85.7         15         78.9         1         10.0         1         20.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0</td></td<></td></td<>	36       87.8       26       81.3       24       85.7       15       78.9       1       10.0       1         0       0.0       1       3.1       1       3.6       0       0.0       1       10.0       1         1       2.4       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0	36       87.8       26       81.3       24       85.7       15       78.9       1       10.0       1       20.0         0       0.0       1       3.1       1       3.6       0       0.0       1       10.0       1       20.0         0       0.0       1       3.1       1       3.6       2       10.5       6       60.0       1       20.0         1       2.4       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0 <td< td=""><td>36       87.8       26       81.3       24       85.7       15       78.9       1       10.0       1       20.0       0         0       0.0       1       3.1       1       3.6       0       0.0       1       10.0       1       20.0       0         0       0.0       1       3.1       1       3.6       2       10.5       6       60.0       1       20.0       0         1       2.4       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0</td><td>36         87.8         26         81.3         24         85.7         15         78.9         1         10.0         1         20.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0</td></td<>	36       87.8       26       81.3       24       85.7       15       78.9       1       10.0       1       20.0       0         0       0.0       1       3.1       1       3.6       0       0.0       1       10.0       1       20.0       0         0       0.0       1       3.1       1       3.6       2       10.5       6       60.0       1       20.0       0         1       2.4       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0       0       0.0	36         87.8         26         81.3         24         85.7         15         78.9         1         10.0         1         20.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0         0.0         0



HEATING EQ	UTPHENT												
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ORIGIN: 33 80. 6 14. 1 2. 1 2. 41 100.	5 24 6 5 4 1 4 2	ACO1 75.0 15.6 3.1 6.3 100.0	20 5 1 2 28	ADD2 71.4 17.9 3.6 7.1 100.0	13 5 0 1 19	ADD3 68.4 26.3 0.0 5.3 100.0	4 6 0 0 10	TEMP1 40.0 60.0 0.0 0.0 100.0	1 3 0 1 5	TEMP2 20.0 60.0 0.0 20.0 100.0	0 1 0 0	TEMP3 0.0 100.0 0.0 0.0 100.0
COOLING EQ	UIPHENT												
JUST CENTRAL JUST WINDOW UNIT CENTRAL & WINDOW NO MECHANICAL TOTAL	ORIGINA 1 2. 12 29. 0 0. 28 68. 41 100.	.4 2 .3 10 .0 0 .3 20	ADD1 6.3 31.3 0.0 62.5 100.0	1 12 0 15 28	3.6 42.9 0.0 53.6 100.0	4 5 0 10 19	ADD3 21.1 26.3 0.0 52.6 100.0	4 1 0 5 10	TEMP1 40.0 10.0 0.0 50.0	2 1 0 2 5	TEMP2 40.0 20.0 0.0 40.0 100.0	1 0 0 0	TEMP3 100.0 0.0 0.0 0.0
MINDO	W UNIT CODE	ING					ı						
ALL ROOMS SELECTED ROOMS NO RESPONSE TOTAL	ORIGINA 5 41. 6 50. 1 8. 12 100.	.7 6 .0 3	ADD1 60.0 30.0 10.0 100.0	6 4 2 12	A0D2 50.0 33.3 16.7 100.0	3 2 0 5	ADD3 60.0 40.0 0.0 100.0	0 0 1 1	7EMP1 0.0 0.0 100.0 100.0	1 0 0 1	TEMP2 100.0 0.0 0.0 100.0	0	0.0 0.0 0.0 0.0 100.0
LIGHTING E	CUIPMENT								:				
INCANDESCENT FLUGRESCENT BOTH CTHER NO RESPONSE TOTAL		.7 17 .0 13 .4 1 .4 1	ACO1 53.1 40.6 3.1 3.1 0.0 100.0	16 11 0 1 0 28	AD02 57.1 39.3 0.0 3.6 0.0 100.0	3 14 0 0 2 19	A003 15.8 73.7 0.0 0.0 10.5 100.0	2 8 0 0 0	TEMP1 20.0 80.0 0.0 0.0 0.0	1 3 0 0 1 5	TEMP2 20.0 60.0 0.0 0.0 20.0 100.0	0 1 0 0	TEMP3 0.0 100.0 0.0 0.0 0.0 0.0

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### NUMBER AND PERCENTAGE OF MEDIUM COMBINED SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE	
WATER UTILITY	30	73.2	**********************
PUMP ON PROPERTY	11	26.8	********
OTHER (WELLS, ETC.)	Õ	0.0	1
NO RESPONSE	0	0.0	
TOTAL	41	100.0	톲퍞픘삒쀼퍞뺚퍞쒖퍞둮퍞춖hhabeshhabeshhabeshhabeshhabeshhabeshhabeshhabeshhabeshhabeshhabeshhabeshhabeshhabeshhabeshhabesh
i A. ar			102 202 302 402 502 602 702 802 902 1002

NUMBER AND PERCENTAGE OF PRINCIPALS OF MEDIUM COMBINED SCHOOLS IN COUNTY SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCE	24	58.5	**********
CCNSTRUCTION	14	34.1	*********
BCTH	2	4.9	<b>  **</b>   -
NEITHER (INCLUDING NO RESPONSE)	1	2.4	. <b>  *</b>
TOTAL	41	100.0	툪퍞쯗퍞쯗됮툿졲춖춖찞윉쿅늗둮춖죮궦뇶캶캶퍞퍞묲뇶뚔첉뚔뇶퍞뇶뽰찞캶캶캶캶캶찞찞찞찞찞찞
IUIME	'-		10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

PLANT PROFILES: MEDIUM COMBINED SCHOOLS IN COUNTY SYSTEMS

CRITERION	A	DEQUATE	SUBS	TANDARD
Charleman	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE
1. ENROLLMENT/CAPACITY RATIO <= 1	23	60.5	15	39.5
2. MEETS NATIONAL SCHOOL SIZE STANDARDS	41	100.0	0	0.0
3. MEETS NATIONAL SITE SIZE STANDARDS	1	2.6	37	97.4
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	12	30.8	27	69.2
5. NC TEMPORARY STRUCTURES	29	70.7	12	29.3
6. NO BASEMENT USED FOR INSTRUCTION	28	68.3	13	31.7
7. NO BUILDING OF WOOD EXCLUSIVELY	39	95.1	2	4.9
8. CENTRAL HEATING IN ORIGINAL BUILDING	34	82.9	7	17.1
9. CENTRAL AIR OR ALL WINDOW UNITS	7	17.1	20	48.8
10. CCMPLETE FLUORESCENT LIGHTING	13	31.7	11	26.8
11. USE OF WATER UTILITY	30	73.2	11	26.8
ERICETS 7 OF 11 OF ABOVE CRITERIA	18	43.9	, 0	. 0.0

LARGE COMBINED SCHOOLS IN COUNTY SYSTEMS

#### 5 RESPONDENTS

NUMBER AND PERCENTAGE OF LARGE COMBINED SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROLI	MENT/CAPACITY			
	RATIO	NUMBER	PERCENTAGE	
ABCVE	0.0- 0.5	, 0	0.0	•
ABCVE	0.5- 0.8	0	0.0	
ABOVE	0.8- 1.0	1	20.0	*******
ABCVE	1.0- 1.5	4	80.0	**********
ABOVE	1.5- 2.0	0	0.0	1
ABCVE	2.0-13.0	0	0.0	
	TOTAL	5	100.0	발문한 장면 한 다른 보는 것으로 가는 다음 한 분들을 받는 것으로 함께 있는 것으로 가는 것으로 가는 것으로 가는 것으로 가는 것으로 가는 것으로 가는 것으로 가는 것으로 가는 것으로 가는 것으로 가는 것으로 가는 것으로 가는 것으로 가는 것으로 가는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 가득하는 것으로 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면
				10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
		A.A.217U.	,	80.0%
SCHO	CLS THAT EXCEED	CAPACITY	4	0.44

NUMBER AND PERCENTAGE OF LARGE COMBINED SCHOOLS IN COUNTY SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES).

ACRES  0- LESS TI  1- LESS TI  10- LESS TI  20- LESS TI  30- LESS TI  50- LESS TI  TOTAL	IAN 1 IAN 5 IAN 10 IAN 20 IAN 30 IAN 50	NUMBER 0 0 2 1 1 0 5	PERCENTAGE 0.0 0.0 40.0 20.0 20.0 20.0 0.0 100.0	*****	****	<b>李金宝写</b>				701	80 <b>1</b>		100%	
				10%	20%	30%	40%	50 <b>%</b>	601	70 <b>%</b>	80 <b>%</b>	401	foot	

MEDIAN SCHOOL SITE SIZE IS 18 ACRES

NUMBER AND PERCENTAGE OF LARGE COMBINED SCHOOLS IN COUNTY SYSTEMS. HEETING SITE SIZE REQUIREMENTS: 1 20.0%



N N

NUMBER AND PERCEN CCCURRING AT SPEC	YTAGE IFJEO	OF BUILDIA STAGES	INS OF	LAPON SCHOOL	COMPLET	SCHOOLS !	h 60	unity sys	TEHS	<b>(8</b> )		1		
AGE (IN YEARS) 60 OR OVER 40- LESS THAN 60 20- LESS THAN 40 LESS THAN 20 TOTAL	OR 1 0 2 3 0 5	0.0 60.0 60.0 100.0	0 0 3 2	000 000 600 400	0 0 0	700.0 700.0 0.0 0.0 0.0	22000	A0.0 0.0 0.0 100.0		000000	0 0 1 1	TEMP2 0.0 0.0 0.0 100.0 100.0	0 0 0 1	TEMP3 0.0 0.0 0.0 100.0 100.0
NUMBER AND PERCEI CONSTRUCTED OR ALL AFTER 1840 - 1870 AFTER 1880 - 1890 AFTER 1880 - 1900 AFTER 1900 - 1910 AFTER 1910 - 1920 AFTER 1920 - 1930 AFTER 1930 - 1940 AFTER 1940 - 1950 AFTER 1950 - 1960 AFTER 1960 - 1970 AFTER 1970 - 1973 TOTAL	NDEN .	OF BUILD!	00000000000000000000000000000000000000	A A C C C C C C C C C C C C C C C C C C	CONP. CO. CO. CO. CO. CO. CO. CO. CO. CO. CO	ADDS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		UN 7 0000 0000 0000 0000 0000 0000 0000	STEMS SUCCESSION OF THE STEMS	#0000000000000000000000000000000000000	000000000101	TEMP2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0 0 0 0 0 0 0 0 1 0 1	TEMP3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 100.0
OLDEST STRUCTURE MEAN YEAR OF CONSTRUCTI	0N	ORIGINAL 1914 1932		1948 1948 1959	A 964 1 966 1 966	40 ⁹³ 1970 1971		EMP1 1961 1961	TEMP/ 196/	1629 1639 1649				
NUMBER AND PERCEN HAVING SPECIFIED	tage (	DE LARGE CO	ANO)	EO SCHOL L AND T	ols she	OUNTY SYSTE	M							

•	ADDITIONS	TEMPORARIES
0	0 0.0	3 60'0
1	1 20.0	1 200
2	2 40.0	0 00
3	2 40.0	
TOTAL	5 100.0	1 20'0 5 100'

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE COMBINED SCHOOLS IN COUNTY SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

OR)	GINAL		4001		ADDZ		ADD3	1	EMP1		TEMP2		TEMP3
	40.0	1	20.0	l	25.0	0	0.0	0	0.0	0	0.0	0	0.0
	SCHOO	LS Ne.	BASENE	ent OF	SOME STR	urfURE	FOR INSTA	RUCTION:		3	60 <b>.0</b> \$		

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE COMBINED SCHOOLS IN COUNTY SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	ORIGINAL 3 60.0 2 40.0 0 0.0 0 0.0 5. 100.0	3 2 0 0 5	A001 60.0 40.0 0.0 0.0 100.0	1 3 0 0 4	ADD2 25.0 75.0 0.0 0.0 100.0	2 0 0 0 2	A003 100.0 0.0 0.0 0.0 100.0	2 0 0 0 2	TEMP1 100.0 0.0 0.0 0.0 100.0	1 0 0 0 1	TEMP2 100.0 0.0 0.0 0.0 100.0	1 0 0 0 1	TEMP3 100.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	1 20.0	u	0.0 Y 0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE COMBINED SCHOOLS IN COUNTY SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ORIGINAL	4001	ADD2	ADD3	TEMP1	TEMP2	TEMP3
BRICK	5 100.0	4 90.0	4 100.0	2 100.0	0.0	0 0.0 .	0.0
WOOD	0 0.0	@ <b>0.0</b>	0 0.0	0 0.0	2 100.0	1 100.0	1 100.0
METAL	0 0,0	0 0,0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
STONE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0	0 0.0
· CCNCRETE	0 0.0	0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0
OTHER	0 0.0	0.0	0 0.0	0 0.0	0 0.0	0.0	0 0.0
BRICK, HOOD	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, METAL	0 0.0	0 0,0	0 0.0	0 0.0	0 0.0	0 0.0 .	0 0.0
BRICK, STONE	0 0.0	1 50.0	0.0	0 0.0	0.0	0.0	0 0.0
BRICK, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, OTHER	0 0.0	0.0.	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, METAL	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, CONCRETE	0 0.0	0.0	0 0.C	0.0	0 0.0	0.0	0 0.0
BRICK, METAL, CONCRETE	0 0.0	0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
ARICK STONE, CONCRETE	0 0.0	0.0	0 0.0	0 0.0	0 0.0	0.0	0 0.0 %
BRICK, HOOD, METAL, CONCRETE	0 0.0	0 0.0	` 0.0	0 0.0	0.0	0 0.0	4 0.0 0
ALL OTHER COMBINATIONS	0 0.0	0 0.0	0.0	0 0.0	٥٠٥ ۵	0.0	0 0.0
NG RESPONSE	0 0.0	0 5 0.0	ü <b>0.0</b>	0.0	0 0.0	0.0	0 0.0
TOTAL	5 100.0	5 100.0	4 100.0	2 100.0	2 100.0	1 100.0	1 100.0
<del>-</del>							

# NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE COMBINED SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQU	IPMENT				i		
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ORIGINAL 5 100.0 0 0.0 0 0.0 0 0.0 5 100.0	ADD1 5 100.0 0 0.0 0 0.0 0 0.0 5 100.0	ADD2 4 100.0 0 0.0 0 0.0 0 0.0 4 100.0	ADD3 2 100.0 0 0.0 0 0.0 0 0.0 2 100.0	TEMP1 0 0.0 2 100.0 0 0.0 0 0.0 2 100.0	TEMP2 0 0.0 1 100.0 0 0.0 0 0.0 1 100.0	TEMP3 0 0.0 1 100.0 0 0.0 0 0.0 1 100.0
COOLING EQU	IPMENT						
JUST CENTRAL JUST WINDOW UNIT CENTRAL & WINDOW NO MECHANICAL TOTAL	ORIGINAL 0 0.0 1 20.0 0 0.0 4 80.0 5 100.0	A001 0 0.0 0 0.0 1 20.0 4 80.0 5 100.0	ADD2 0 0.0 1 25.0 0 0.0 3 75.0 4 100.0	ADD3 1 50.0 0 0.0 1 50.0 0 0.0 2 100.0	TEMP1 0 0.0 1 50.0 0 0.0 1 50.0 2 100.0	TEMP2 0 0.0 1 100.0 0 0.0 0 0.0 1 100.0	TEMP3 0 0.0 1 100.0 0 0.0 0 0.0 1 100.0
MINDOH	UNIT COOLING						
ALL ROOMS SELECTED ROOMS NG RESPONSE TOTAL	ORIGINAL 0 0.0 1 100.0 0 0.0 1 100.0	AD01 0 0.0 0 0.0 1 100.0 1 100.0	A002 0 0.0 0 0.0 1 100.0 1 100.0	ADD3 0 0.0 0 0.0 1 100.0 1 100.0	TEMP1 0 0.0 0 0.0 1 100.0 1 100.0	TEMP2 0 0.0 0 0.0 1 100.0 1 100.0	TEMP3 0 0.0 0 0.0 1 100.0 1 100.0
LIGHTING EC	UIPMENT						
INCANDESCENT FLUCRESCENT BOTH OTHER NO RESPONSE TOTAL	ORIGINAL 4 80.0 1 20.0 0 0.0 0 0.0 0 0.0 5 100.0	ACD1 2 40.0 3 60.0 0 0.0 0 0.0 0 0.0 5 100.0	ADD2 2 50.0 1 25.0 0 0.0 1 25.0 0 0.0 4 100.0	ADD3 0 0.0 2 100.0 0 0.0 0 0.0 0 0.0 2 100.0	TEMP1 0 0.0 2 100.0 0 0.0 0 0.0 0 0.0	TEMP2 0 0.0 1 100.0 0 0.0 0 0.0 0 0.0 1 100.0	TEMP3 0 0.0 1 100.0 0 0.0 0 0.0 0 0.0 1 100.0

NUMBER AND PERCENTAGE OF LARGE COMBINED SCHOOLS IN COUNTY SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE	,	
MATER UTILITY PUMP ON PROPERTY	4	80.0 20.0	********	
OTHER (WELLS, ETC.) NO RESPONSE TOTAL	0 0 5	0.0 0.0 100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%	

NUMBER AND PERCENTAGE OF PRINCIPALS OF LARGE COMBINED SCHOOLS IN COUNTY SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

MAINTENANCE CCNSTRUCTION BOTH NEITHER (INCLUDING NO RESPONSE) TOTAL	NUMBER 2 3 0 0 5	PERCENTAGE 40.0 60.0 0.0 0.0 100.0	************************************
IUIAL	,		102 202 302 402 502 602 702 802 902 1002

PLANT PROFILES: LARGE COMBINED SCHOOLS IN COUNTY SYSTEMS

	1		NEAULTE	SUBSTANDARD				
	CR ITER ION	NUMBER	DEQUATE PERCENTAGE	NUMBER	PERCENTAGE			
1.	ENROLLMENT/CAPACITY RATIO <= 1	1	20.0	4	80.0			
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	4	80.0	1	20.0			
	MEETS NATIONAL SITE SIZE STANDARDS	1	20.0	. 4	80.0			
4.	ORIGINAL BUILDING 30 YRS OLD OR LESS	1	20.0	4	80.0			
	NG TEMPORARY STRUCTURES	3	60.0	2	40,0			
	NO BASEMENT USED FOR INSTRUCTION	2	40.0	3	, 60.0			
7.	NO BUILDING OF WOOD EXCLUSIVELY	3	60.0	. 2	40.0			
8.	CENTRAL HEATING IN ORIGINAL BUILDING	5	100.0	0	0.0			
	CENTRAL AIR OR ALL WINDOW UNITS	0	0.0	3	60.0			
10.	COMPLETE FLUORESCENT LIGHTING	1	20.0	1	20.0			
11.	USE OF WATER UTILITY	4	80.0	1	20.0			
	MEETS 7 OF 11 OF ABOVE CRITERIA	1	20.0	. 1	20.0			

DATA DISPLAY 4.13

SMALL ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS

72 RESPONDENTS

NUMBER AND PERCENTAGE OF SMALL ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENRCLI	LMENT/CAPACITY		*	
	RATIO	NUMBER	PERCENTAGE	
ABOVE	0.0- 0.5	15	20.8	*********
ABOVĒ	0.5- 0.8	32	44.4	***************
ABOVE	0.8- 1.0	22	30.6	************
ABOVE	1.0= 1.5	3	4.2	<b> **</b>
ABOVE	1.5- 2.0	Q	0.0	
ABOVE	2.0-13.0	0	0.0	
	TOTAL	72	100.0	我是是要有我们的自己的对象。
	TVINE			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
SCHO	CLS THAT EXCEED	CAPACITY:	. 3	4.2\$

NUMBER AND PERCENTAGE OF SMALL ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES).

ACRES  O- LESS THAN  1- LESS THAN  5- LESS THAN  10- LESS THAN  20- LESS THAN	1 5 10 20 30	NUMBER 0 33 21 13	PERCENTAGE 0.0 46.5 29.6 18.3 4.2	#************************************
30- LESS THAN 50- LESS THAN TOTAL	50	0 1 71	0.0 1.4 100.0	10x 20x 30x 40x 50x 60x 70x 80x 90x 100x

MEDIAN SCHOOL SITE SIZE IS 5 ACRES

NUMBER AND PERCENTAGE OF SMALL ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS MEETING SITE SIZE REQUIREMENTS: 10 14.12

# NUMBER AND PERCENTAGE OF BUILDINGS OF SHALL ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS CCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	ORIGINAL	ACOL	ADDZ	ADD3	TEMPL	TENP2	TEMP3 0 0.0
60 OR OVER	13 18.1	1 2.9	0 0.0	1 14.3	0 0.0	0 0.0	0 0.0
40- LESS THAN 60	18 25.0	6 17.1	1 3.1	0 0.0	0 0.0	0 0.0	0 0.0
20- LESS THAN 40	19 26.4	14 40.0	9 28.1	2 28.6	0 0.0	0 0.0 1 100.0	1 100.0
LESS THAN 20	22 30.6	14 40.0	22 68.8	4 57.1	4 100.0	1 100.0	1 100.0
TOTAL	72 100.0	35 100.0	32 100.0	7 100.0	4 100.0	I INAMA	1 10040

# NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	ñ0	İGINAL		ADD1		ADD2		ADD3		TEMPI		TEMP2		TEMP3	
. ##co 10/0 1070	υn		۸	0.0	٥	0.0	٥	0.0	Ō	0.0	0	0.0	0	0.0	
AFTER 1840 - 1870	Ţ	1.4	0		V A		Α.		ň	0.0	۸	0.0	0	0.0	
AFTER 1870 - 1880	0	0.0	Q	0.0	Q	0.0	Ā	0.0	y				۸	0.0	
AFTER 1880 - 1890	1	1.4	0	0.0	0	0.0	Q	0.0	Ų	0.0	Ų	0.0	v		
AFTER 1890 - 1900	ż	2.8	1	2.9	0	0.0	0	0.0	0	0.0	0	0.0	. 0	0.0	
·	-		۸	7	Ā	0.0	1	14.3	0	0.0	٥	0.0	0	0.0	
AFTER 1900 - 1910	8	11.1	Q	0.0	٧		Ā		Ā	0.0	Ō	0.0	n	. 0.0	
AFTER 1910 - 1920	4	5,6	2	5.7	Ü	0.0	. 0		V		Ā		٨		
AFTER 1920 - 1930	11	15.3	4	11.4	0	0.0	Q	0.0	Q	0.0	Ū	0.0	Ų	0.0	
AFTER 1930 - 1940	10	13.9	4	11.4	. 3	9.4	Ó	0.0	Q	0.0	0	0.0	Q	0.0	
			8	22.9	3	9.4	1	14.3	Ō	0.0	0	0.0	Q	0.0	
AFTER 1940 - 1950	9	12.5	_	_	16	_		28.6	Ā	0.0	٥	0.0	Ó	0.0	
AFTER 1950 - 1960	16	22.2	11	31.4	76	50.0	-	-			,	, F"	ī	100.0	
AFTER 1960 - 1970	9	12:5	5	14.3	9	28.1	3	42.9	3	75.0	ļ	100.0			
AFTER 1970 - 1973	1	1.4	0	0.0	1	3.1	0	0.0	Į	25.0	0	0.0	Q	0.0	
	72	100.0	35	100.0	32	100.0	7	100.0	4	100.0	1	100.0	1	100.0	
TOTAL	14	TANÀA	33	TARAA	75	*****	=	E				-			

	ORIGINAL	ADD1 .	ADD2	ADD3	TEMP1	TEMP2	TEMP3
OLDEST STRUCTURE	1848	1900	1933	1909	1966	1969	1967
MEAN YEAR OF CONSTRUCTION	1936	1945	1956	1950	1968	1969	1967

### NUMBER AND PERCENTAGE OF SMALL ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDITIONS	TEMPORARIES
0	28 38.9	66 91.7
Ī	20 27.0	6 8.3
Ž	18 25.0	0 0.0
· 3	6 8,3	0 0.0
TOTAL	72 100,0	72 100.0

N N 00 NUMBER AND PERCENTAGE OF BUILDINGS OF SHALL ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

OR) 10	IGINAL 13.9	3	ADD1 8.6	2	ADD2 6.3	1	ADD3 14.3	0	TEMP1 0.0	0	0.0	0	TEMP3.
	SCHOO	ILS USTA	NG BASEM	NT OF	SOME STRI	JCTURE I	FOR INSTA	RUCTION	•	15	20.8%		

NUMBER AND PERCENTAGE OF BUILDINGS OF SHALL ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OA 35 29 8 0 72	48.6 40.3 11.1 0.0 100.0	20 13 2 0 35	A001 57.1 37.1 5.7 0.0 100.0	19 11 2 0 32	ADD2 59.4 34.4 6.3 0.0	5 2 0 0 7	ADD3 71.4 28.6 0.0 0.0 100.0	4 0 0 0 4	TEMP1 100.0 0.0 0.0 0.0 100.0	1 0 0 0	TEMP2 100.0 0.0 0.0 0.0 100.0	1 0 0 0 0	TEMP3 100.0 0.0 0.0 0.0 100.0
THO STORIES OR MORE	13	BEFORE 18.1 1E THAN 1.4	2	5.7 1 2.9	, 0 1	0.0	0	0.0	0	0.0	0	0.0 0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ORIGINAL		ADD1		ADD2		ADD3		TEMPI		TEMP2		TEMP3	
BRICK	51 70.8	27	77.1	25	78.1	6	85.7	, 0	0.0	0	0.0	0	0.0	
WCOO	1 1.4	1	2.9	1	3.1	0	0.0	2	50.0	Q	0.0	Q	0.0	
METAL	0 0.0	Ö	0.0	0	0.0	0	0.0	1	25.0	1	100.0	1	100.0	
STONE	0 0.0	ō	0.0	Ô	0.0	0	0.0	0	0.0	Q	0.0	, O	0.0	
CCNCRETE	2 2.8	ī	2.9	2	6.3	Ö	0.0	0	0.0	0	0.0	0	0.0	
	0 0.0	ñ	0.0	Ō	0.0	0	0.0	1	25.0	Ó	0.0	0	0.0	
GTHER	3 4.2	1	2.9	Õ	0.0	Ō	0.0	Ō	0.0	Ō	0.0	Ó	0.0	
BRICK, WOOD .	1 1.4	î	2.9	Õ	0.0	Ŏ	0.0	Ö	0.0	Ó	0.0	0	0.0	
RRICK, METAL	0 0.0	Ô	0.0	Ö	0.0	Õ	0.0	Ō	0.0	ō	0.0	Ō	0.0	.,
BRICK, STUNE		1	2.9	9	6.3	ñ	0.0	ā	0.0	Ō	0.0	Ô.		
BRICK, CONCRETE	6 8.3	Ō	0.0	0	0.0	۸	0.0	Ö	0.0	Ö	0.0	ō.	0.0	
BRICK, OTHER	0 0.0	-		0		۸	0.0	۸	0.0	Ŏ	0.0	ō	0.0	
BRICK, WOOD, METAL	2 2.8	0	0.0	0	0.0	Ņ	0.0	Ö	0.0	Ö	0.0	Ŏ	0.0	
BRICK, WOOD, CONCRETE	1 1.4	0	0.0	_	0.0	. V		Ų.		Q Q	0.0	Ö	0.0	
BRICK, METAL, CONCRETE	3 4.2	l l	2.9	0	0.0	V	0.0	Ų	0.0			0		Ņ
BRICK, STONE, CONCRETE	0 0.0	0	0.0	0	0.0	Q	0.0	0	0.0	0	0.0			N O
BRICK, WOCD, METAL, CONCRETE	0 0.0	ļ	2.9	1	3.1	Ī	14.3	U	0.0	V	0.0	0	0.0	
ALL OTHER COMBINATIONS	2 2.8	1	2.9	0	0.0	0	0.0	9	0.0	0	0.0	0	0.0	
NC RESPONSE	0.0	0	0.0	1	3.1	Ō	0.0	0	0.0	0	0.0	Ō	0.0	
TOTAL	72 100.0	35	100.0	32	100.0	7	100.0	4	100.0	1	100.0	1	100.0	•

# NUMBER AND PERCENTAGE OF BUILDINGS OF FMALLANDEMENT SCHOOLS IN CTTY/SPECIAL SYNTHE

HEATING EQ	UIPMENT				/Ē\	· ·	
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	08 ¹ GINAL 66 91.7 2 2.8 3 4.2 1 1.4 72 100.0	2 5.9 2 5.9 2 2.6 3 100.0	4002 84.4 3.1 6.3 6.3 00.0	ADD 1 14.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1 EN O 10 O O O O O O O O O O O O O O O O O	TEMP2 1 100.0 0 0.0 0 0.0 0 0.0 1 100.0	TEMP3 0 0.0 1 100.0 0 0.0 0 0.0 1 100.0
COOLING EQ	u i dwe _m t			•	/F3		
JUST CENTRAL JUST MINDOW UNIT CENTRAL & WINDOW NO MECHANICAL TOTAL	ORIGINAL 8 11.1 5 6.9 1 1.4 58 80.6 72 100.0	ACO 4 2-7 2-7 3-7 3-7 3-7 3-7 3-7 3-7 3-7 3-7 3-7 3	4002 12.5 9.4 0.0 78.1	ADD 3 0 . 3 1 . 0 1 . 0 1 . 0	1200000 0000000000000000000000000000000	TEMP2 1 100.0 0 0.0 0 0.0 0 0.0 1 100.0	TEMP3 1 100.0 0 0.0 0 0.0 0 0.0 1 100.0
. WINDO	H UNIT COOLING				1 ^E N.		
ALL ROOMS SELECTED ROOMS NO RESPONSE TOTAL	ORIGINAL 2 33.3 3 50.0 1 16.7 6 100.0	A001 50.0 0 50.0 1 100.0	\$ 0.00 0.0 0.00 0.00 0.00	A003 0.0 100.0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TEMP2 0 0.0 0 0.0 0 0.0 0 100.0	TEMP3 0 0.0 0 0.0 0 0.0 0 100.0
LIGHTING E	QUIPMENT			ı	/6\		
INCANDESCENT FLUORESCENT BOTH OTHER NO RESPONSE TOTAL	OR IG INAL 16	ADD 1 28 b 68 b 0 0 p 1 0 0 0	4002 18.8 78.1 0.0 3.1 0.0	AD03 28.1 57.0 14.0 100.0	127 00000 130000000000000000000000000000000	TEMP2 0 0.0 1 100.0 0 0.0 0 0.0 0 0.0 1 100.0	TEMP3 . 0 0.0 1 100.0 0 0.0 0 0.0 0 0.0 1 100.0

NUMBER AND PERCENTAGE OF SHALL ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

			NUMBER	PERCENTAGE		
WATER UTILITY	•		72	100.0		
PUNP ON PROPERTY	•		0	0,0		
CTHER (WELLS, ETC.)			0	040		
NO RESPONSE		i	0	0,0		
TOTAL			12	100.0		
IUINE			,-	-Añi	101 201 301 401 501 601 701 801 901 1001	

NUMBER AND PERCENTAGE OF PRINCIPALS OF SHALL ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	·
MAINTENANCE	32	44.4	**********
CONSTRUCTION	29	40.3	**********
BOTH	3	4,2	4#
NEITHER LINCLUDING NO RESPONSE	ð	11.1	· · · · · · · · · · · · · · · · · · ·
TOTAL	12	100.0	***************************************
i William		**	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

PLANT PROFILES: SMALL ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS

CRITERION	. NUMBER	DEQUATE PERCENTAGE	SUB: Number	STANDARD PERCENTAGE
1. ENROLLMENT/CAPACITY RATIO <= 1	. 69	95.8	Š	4.2
2. NEETS NATIONAL SCHOOL SIZE STANDARDS	32	44.4	40	55.6
3. HEETS NATIONAL SITE SIZE STANDARDS	10	14.1	61	85.9
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	34	47.2	38	52.8
5. NC TEMPORARY STRUCTURES	. 66	91.7	. 6	6.3
6. NO BASEMENT USED FOR INSTRUCTION	57	79.2	15	20.8
7. NO BUILDING OF WOOD EXCLUSIVELY	69	95.8	3	4.2
8. CENTRAL HEATING IN ORIGINAL BUILDING	69	95.8	3	4.2
9. CENTRAL AIR OR ALL MINDOW UNITS	9	12.5	57	79.2
10. CCMPLETE FLUORESCENT LIGHTING	. 52	. 72.2	14	19.4
e of WATER UTILITY	12	100.0	0	0.0
IRIC TEETS 7 OF 11 OF ABOVE CRITERIA	55	76.4	. 0	0.0

#### MEDIUM ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS

#### 149 RESPONDENTS

NUMBER AND PERCENTAGE OF MEDIUM ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENPOLLMENT/CAPA	CITY		
RATIO	NUMBÉR	PERCENTAGE	
ABOVE 0.0- 0.1	5 2	1.4	1
ABOVE 0.5- 0.6		33.5	***********
ABOVE 0.8- 1.0		59.3	***********
ABOVE 1.0- 1.5	_	5,5	***
ABGVE 1.5- 2.0	0	0.0	1
ABOVE 2.0-13.	0	0.0	1
TOTAL	145	100.0	· · · · · · · · · · · · · · · · · · ·
			101 201 301 401 501 601 701 801 901 1001
ecumnic tult C	XCEED CAPACITY:	8	5.5%
JPUANES IDAI E	VACER CHLHETIES	y.	****

NUMBER AND PERCENTAGE OF MEDIUM ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES	,	NUMBER	PERCENTAGE	
O- LESS THAN	1	0	0.0	
1- LESS THAN	5	33	23.1	*********
5- LESS THAN	10	36	25.2	*******
10- LESS THAN	20	57	39.9	*************
20- LESS THAN	30	11	7.7	****
30- LESS THAN	50	6	4.2	##
50- LESS THAN	100	0	0.0	
TOTAL	**-	143	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

MEDIAN SCHOOL SITE SIZE IS 10 ACRES

NUMBER AND PERCENTAGE OF MEDIUM ELEMENTARY SCHOOLS 17 CITY/SPECIAL SYSTEMS MEETING SITE SIZE REQUIREMENTS: 38 26.6%

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS) 60 OR OVER 40- LESS THAN 60 20- LESS THAN 40 LESS THAN 20	ORIGINAL 8 5.4 30 20.4 44 29.9 65 44.2	ADD1 2 2.0 6 6.1 29 29.3 62 62.6	ADD2 0 0.0 2 3.3 16 26.2 43 70.5 61 100.0	ADD3 0 0.0 0 0.0 4 16.0 21 84.0 25 100.0	TEMP1 0 0.0 0 0.0 1 4.3 22 95.7 23 100.0	TEMP2 0 0.0 0 0.0 0 0.0 6 100.0 6 100.0	TEMP3 0 0.0 0 0.0 0 0.0 7 100.0 7 100.0
TOTAL	147 100.0	99 100.0	61 100±0	53 10010	Tà Tâdia	• • • • • • • • • • • • • • • • • • • •	, -

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

				1001		A002		ADD3		TEMPL		TEMP2		TEMP3
	OR	IGINAL		ACD1			٨	0.0	٥	0.0	0	0.0	Ō	0.0
AFTER 1840 - 1870	0	0.0	0	0.0	Q	0.0	0		ų ė		ō	0,0	۸	0.0
AFTER 1870 - 1880	0	0.0	Ŏ	0.0	0	0.0	Q	0.0	Ų	0.0			V	
	A.	-	Ō	0.0	Ō	0.0	0	0.0	Q	0.0	0	0.0	Ų	0.0
AFTER 1880 - 1890	U	0.0			Ā	0.0	0	0.0	0	0.0	0	0.0	. 0	0.0
AFTER 1890 - 1900	2	1.4	1	1.0	v		_		ñ	0.0	Ō	0.0	0	0.0
AFTER 1900 - 1910	4	2.7	0	0.0	Q	0.0	0	0.0	V		Ŏ	0,0	Õ	0.0
AFTER 1910 - 1920	15	10.2	2	2.0	0	0.0	Q	0.0	0	0.0			0	0.0
tot ten miner	15	10.2	5	5.1	2	3.3	0	0.0	Q	0.0	0	0.0	Ų	
*** *** * * * * * * * * * * * * * * * *	-		7	7.1	وَ ا	3.3	Ò	0.0	0	0.0	0	0.0	Q	0.0
AFTER 1930 - 1940	13	8.8	- !				•	8.0	0	0.0	0	0.0	Q	0.0
AFTER 1940 - 1950	16	10.9	11	11.1	8	13.1	£		ĭ	17.4	ō	0.0	Ò	0.0
AFTER 1950 - 1960	52	35.4	43	43.4	29	47.5	(	28.0		**	·		,	42.9
	27	18.4	26	26.3	16	26.2	13	52.0	15	65.2	1	16.7	3	
AFTER 1960 - 1970	£1	-	4	4.0	.4	6.6	3	12.0	4	17.4	5	83.3	•	57.1
AFTER 1970 - 1973	3	2.0	,		•		25	100.0	23	100.0	6	100.0	7	100.0
TOTAL	147	100.0	99	100.0	61	100.0	62	TÄÄÖA	ë <del>v</del>	S A A A A	•			

1	ORIGINAL	ADD1 ·	ADD2	MAD03	TEMP1	TEMP2	TEMP3
OLDEST STRUCTURE	1897	1899	1921	1943	1952	1970	1966 1969
MEAN YEAR OF CONSTRUCTION	1946	1953	1956	1962	1966	1971	1303

NUMBER AND PERCENTAGE OF MEDIUM ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDITI	ONS	TEMPOR	ARIES
0	.,	7.5	12 t. '	81.2
i ·	53 3	5.6	23	15.4
2	33 2	2.1	2	1.3
3	22	4.8	3 ,	2.0
TOTAL		0.0	149	100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

ORI 29	GINAL 19.5	10	ADD1 10.1	6	ADD2 9.8	3	ADD3 12.0	1	TEMP1 4.3	0	TEMP2 0.0	0	TEMP3 0.0
	SCHOO	LS USI	ING BASEMEI	NT OF	SOME STRE	UÇTURE	FOR INST	RUCTION	1	32	21.5%		

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 84 49 16 0 149	11GINAL 56.4 32.9 10.7 0.0 100.0	67 27 5 0 99	A001 67.7 27.3 5.1 0.0 100.0	41 14 6 0 61	ADD2 67.2 23.0 9.8 0.0	20 1 0 25	ADD3 80.0 16.0 4.0 0.0 100.0	23 0 0 0 23	TEMP1 100.0 0.0 0.0 0.0 100.0	6 0 0 0 6	TEMP2 100.0 0.0 0.0 0.0 100.0	7 0 0 0 7	TEMP3 100.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	17	BEFORE 192 11.4 E THAN ONE 0.7	20 2 E STOR'	2.0 Y 0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	QR	IGINAL		ADD1		ADD2		ADD3		TEMP1		TEMP2		TEMP3	
BRICK	111		77	77.8	51	83.6	21	84.0	. 2	8.7	0	0.0	. 0	0.0	
MCDD	4	2.7	ţ	1.0	0	0.0	0	0.0	4	17.4	2	33.3	0	0.0	
METAL	Ō	0.0	1	1.0	Ö	0.0	Ō	0.0	13	56.5	3	50.0	2	28.6	
STONE	Ô	0.0	Ó	0.0	0	0.0	0	0.0	Ō	0.0	Ō	0.0	Q	0.0	
CONCRETE	5	3.4	1	1.0	0	0.0	1	4.0	Q	0.0	0	0.0	0	0.0	
CTHER	0	0.0	Ō	0.0	0	0.0	0	0.0	Ŏ	0.0	1	16.7	2	28.6	
BRICK, WOOD .	Ž	1.3	1	1.0	i	1.6	0	0.0	0	0.0	0	0.0	Ō	0.0	
BRICK, METAL	1	0.7	Ž	2.0	2	3.3	1	4.0	1	4.3	0	0.0	Ō	0.0	
BRICK, STONE	ō	0.0	Ō	0.0	Ō	0.0	Ó	0.0	0	0.0	Q	0.0	0	0.0	
BRICK. CONCRETE	7	4.7	3	3.0	1	1.6	i	4.0	0	0.0	Q	0.0	0	0.0	
BRICK, OTHER	ò	0.0	Ō	0.0	ō	0.0	Ō	0.0	0	0.0	Ó	0.0	Q	0.0	
BRICK, WOOD, METAL	ň	0.0	Ō	0.0	ō	0.0	Ō	0.0	Ō	0.0	Ò	0.0	0	0.0	
BRICK, WOOD, CONCRETE	3	2.0	3	3.0	2	3.3	Õ	0.0	Ō	0.0	Ō	0.0	Ō	0.0	
BRICK, METAL, CONCRETE	Ã	4.0	4	4.0	ō	0.0	Ō	0.0	ō	0.0	Õ	0.0	٠.0		
	1	0.7	Ŏ	0.0	Õ	0.0	Ō	0.0	ā	0.0	Ŏ	0.0	0	0.0	S
BRICK, STONE, CONCRETE	3	2.0	,	2.0	1	1.6	ī	4.0	ā	0.0	Ō	0.0	Ō	0.0	4
BRICK, WOOD, METAL, CONCRETE	e E	3,4	Õ	0.0	ā	0.0	Ô	0.0	ž	8.7	Ō	0.0	ĭ	14.3	
ALL OTHER COMBINATIONS	1	0.7	4	4.0	1	4,9	Ō	0.0	1	4.3	Ŏ	0.0 .	,	28.6	
NO RE' ISE	140		66	100.0	41 41	100.0	-	100.0	23	100.0	-	100.0	7	100.0	
TOTAL	149	TONAD	77	TANÀA	4	****	67	7000	₽₽	TONER	J	74414	•	VAAAA	



# NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQ	UIPMEN	Ť												•
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	OR 125 15 7 2 149	83.9 10.1 4.7 1.3 100.0	77 11 4 7 95	ADD1 77.8 11.1 4.0 7.1 100.0	46 7 3 5 61	ADD2 75.4 11.5 4.9 8.2 100.0	18 3 2 2 25	ADD3 72.0 12.0 8.0 8.0 100.0	9 10 0 4 23	TEMP1 39.1 43.5 0.0 17.4 100.0	1 4 0 1 6	TEMP2 16.7 66.7 0.0 16.7 100.0	0 4 0 3 7	TEMP3 0.0 57.1 0.0 42.9 100.0
COOLING EQ	UIPHEN	T										ı		
	ŃΒ	IGINAL .		ADD1		AOD2		ADD3		TEMP1		TEMP2		TEMP3
JUST CENTRAL	21	14.1	10	10.1	7	11.5	4	16.0	12	52.2	2	33.3	2	28.6
JUST WINDOW UNIT	35	23.5	11	11.1	4	6.6	3	12.0	3	13.0	1	16.7	1	14.3
CENTRAL & WINDOW	2	1.3	2	2.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NO MECHANICAL	91	61.1	76	76.8	50	82.0	18	72.0	8	34.8	3	50.0	4	57.1 100.0
TOTAL	149	100.0	99	100.0	61	100.0	25	190.0	23	100.0	6	100.0	•	ton*o
WINDO	h UNIT	COOLING						ı						
	กด	IGINAL		ACD1		ADD2		ADD3		TEMP1		TEMP2		TEMP3
ALL ROOMS	11	29.7	6	46.2	2	50.0	2	66.7	3	100.0	1	100.0	0	0.0
SELECTED ROOMS	22	59.5	5	38.5	1	25.0	0	0.0	0	0.0	0	0.0	1	100.0
NO RESPONSE	4	10.8	2	15,4	1	25.0	1	33.3	0	0.0	0	0,0	. 0	0.0 100.0
TOTAL	37	100.0	13	100.0	4	100.0	3	100.0	3	100.0	4	100.0		toata
LIGHTING E	QUIPME	NT												
	Λô	IGINAL		A001		ADD2		, A0D3		TEMPL		TEMP2		TEMP3
INCANDESCENT	26	17.4.	19	19.2	10	16.4	7	28.0	3	13.0	Ö	0.0	1	14.3
FLUCRESCENT	117	78.5	76	76.8	47	77.0	, 17	68.0	18	78.3	. 5	83.3	3	42.9
BOTH	3	2.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
OTHER	3	2.0	2	2.0	2	3.3	Ò	0.0	0	0.0	Ó	0.0	a O	0.0
NO RESPONSE	0	0.0	2	2.0	2	3.3	1	4.0	2	8.7	1 6	16.7 100.0	3 7	42.9 100.0
IOTAL	149	100.0	99	100.0	61	100.0	25	100.0	23	100.0	Ą	7 A A § A		*****



NUMBER AND PERCENTAGE OF MEDIUM ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

WATER UTILITY PUMP ON PROPERTY OTHER (WELLS, ETC.) NO RESPONSE	NUMBER 149 0 0 0	PERCENTAGE 100.0 0.0 0.0	************
TOTAL	149	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

NUMBER AND PERCENTAGE OF PRINCIPALS OF MEDIUM ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE							
MAINTENANCE	88	59.1	*****************						
CONSTRUCTION	34	22.8	00000000000000000000000000000000000000						
BCTH	2	1.3							
NEITHER (INCLUDING NO RESPONSE)	25	16.8	*****						
TOTAL	149	100.0							
			102 202 302 402 502 602 702 802 902 1002						

PLANT PROFILES: MEDIUM ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS

CRITERION				STANDARD	
	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE	
ENROLLMENT/CAPACITY RATIO <= 1	137	94.5	8	5.5	
MEETS NATIONAL SCHOOL SIZE STANDARDS	77	51.7	72	48.3	
MEETS NATIONAL SITE SIZE STANDARDS	38	26,6	105	73.4	
ORIGINAL BUILDING 30 YRS OLD OR LESS	96	65.3	51	34.7	
NO TEMPORARY STRUCTURES	121	81.2	28	18.8	
NO BASEMENT USED FOR INSTRUCTION	117	78.5	32	21.5	
NO BUILDING OF WOOD EXCLUSIVELY	140	94.0	9	6.0	
CENTRAL HEATING IN ORIGINAL BUILDING	132	88.6	17	11.4	
CENTRAL AIR OR ALL WINDOW UNITS	37	24.8	74	49.7	
COMPLETE FLUORESCENT LIGHTING	113	75 <b>.</b> 8	20	13.4	
USE OF WATER UTILITY	149	100.0	0	0.0	
MEETS 7 OF 11 OF ABOVE CRITERIA	120	80.5	3	2.0	
	CRITERION  ENROLLMENT/CAPACITY RATIO <= 1  MEETS NATIONAL SCHOOL SIZE STANDARDS  MEETS NATIONAL SITE SIZE STANDARDS  ORIGINAL BUILDING 30 YRS OLD OR LESS  NO TEMPORARY STRUCTURES  NO BASEMENT USED FOR INSTRUCTION  NO BUILDING OF WOOD EXCLUSIVELY  CENTRAL HEATING IN ORIGINAL BUILDING  CENTRAL AIR OR ALL WINDOW UNITS  COMPLETE FLUORESCENT LIGHTING  USE OF WATER UTILITY  MEETS 7 OF 11 OF ABOVE CRITERIA	ENROLLMENT/CAPACITY RATIO <= 1 137  MEETS NATIONAL SCHOOL SIZE STANDARDS 77  MEETS NATIONAL SITE SIZE STANDARDS 38  ORIGINAL BUILDING 30 YRS OLD OR LESS 96  NO TEMPORARY STRUCTURES 121  NO BUSEMENT USED FOR INSTRUCTION 117  NO BUILDING OF WOOD EXCLUSIVELY 140  CENTRAL HEATING IN ORIGINAL BUILDING 132  CENTRAL AIR OR ALL WINDOW UNITS 37  COMPLETE FLUORESCENT LIGHTING 113  USE OF WATER UTILITY 149	ENROLLMENT/CAPACITY RATIO <= 1 137 94.5  MEETS NATIONAL SCHOOL SIZE STANDARDS 77 51.7  MEETS NATIONAL SITE SIZE STANDARDS 38 26.6  ORIGINAL BUILDING 30 YRS OLD OR LESS 96 65.3  NO TEMPORARY STRUCTURES 121 81.2  NO BESEMENT USED FOR INSTRUCTION 117 78.5  NO BUILDING OF WOOD EXCLUSIVELY 140 94.0  CENTRAL HEATING IN ORIGINAL BUILDING 132 88.6  CENTRAL AIR OR ALL WINDOW UNITS 37 24.8  USE OF WATER UTILITY 149 100.0	ENROLLMENT/CAPACITY RATIO <= 1 137 94.5 8  MEETS NATIONAL SCHOOL SIZE STANDARDS 77 51.7 72  MEETS NATIONAL SITE SIZE STANDARDS 38 26.6 105  ORIGINAL BUILDING 30 YRS OLD OR LESS 96 65.3 51  NO TEMPORARY STRUCTURES 121 81.2 28  NO BESEMENT USED FOR INSTRUCTION 117 78.5 32  NO BUILDING OF WOOD EXCLUSIVELY 140 94.0 9  CENTRAL HEATING IN ORIGINAL BUILDING 132 88.6 17  CENTRAL AIR OR ALL WINDOW UNITS 37 24.8 74  COMPLETE FLUORESCENT LIGHTING 113 75.8 20  USE OF WATER UTILITY 149 100.0 0	

#### DATA DISPLAY 4.15

#### LARGE ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS

#### 52 RESPONDENTS

NUMBER AND PERCENTAGE OF LARGE ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROL	LMENT/CAPACITY			
	RATIO	NUMBER	PERCENTAGE	
ABOVE	0.0- 0.5	1	2.0	<b> </b> *
ABCVE	0.5- 0.8	18	35.3	************
ABOVE	0.8- 1.0 .	19	37.3	************
ABCVE	1.0- 1.5	13	25.5	*******
ABOVĒ	1.5- 2.0	Ō	0.0	1
ABOVE	2.0-13.0	0	0.0	1
	TOTAL	51	100.0	************************************
				101 201 301 401 501 601 701 801 901 1001
SCHO	OLS THAT EXCEED	CAPACITY:	13	25.5%

NUMBER AND PERCENTAGE OF LARGE ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES).

ACRES	NUMBER	PERCENTAGE	
O- LESS THAN 1	0	0.0	1
L= LESS THAN 5	5	9.8	****
5- LESS THAN 10	17	33.3	***********
10- LESS THAN 20	20	39.2	***************
20- LESS THAN 30	8	15.7	******
30- LESS THAN 50	i	2.0	1*
50- LESS THAN 100	0	0.0	
TOTAL	51	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

MEDIAN SCHOOL SITE SIZE IS 10 ACRES

NUMBER AND PERCENTAGE OF LARGE ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS NEETING SITE SIZE REQUIREMENTS: 10 19.6%



### NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	ÖR	IGINAL		ACD1		ADD2		ADD3		TEMPL		TEMP2		TEMP3
60 OR OVER	2	3.9	Ō	0.0	0	0.0	0	0.0	Q	0.0	0	0.0	0	0.0
40- LESS THAN 60	9	17.6	1	2.7	· 0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20- LESS THAN 40	15	29.4	12	32.4	8	33.3	2	16.7	0	0.0	٥	0.0	0	0.0
LESS THAN 20	25	49.0	24	64.9	16	66.7	10	83.3	11	100.0	7	100.0	5	100.0
TOTAL	51	100.0	37	100.0	24	100.0	12	100.0	11	100.0	7	100.0	5	100.0

### NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	OR	IGINAL		ADD1		ADD2		ADD3		TEMPL		TEMP2		TEMP3
AFTER 1840 - 1870	0	0.0	0	0.0	0	0.0	0	0.0	Ò	0.0	0	0.0	0	0.0
AFTER 1870 - 1860	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	0	0.0
AFTER 1880 - 1890	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1890 - 1900	1	2.0	0	0.0	0	0.0	Q	0.0	0	0.0	0	0.0	0	0.0
AFTER 1900 - 1910	1	2.0	0	0.0	0	0.0	Q	0.0	0	0.0	0	0.0	0	0.0
AFTER 1910 - 1920	1	2.0	0	0.0	0	0.0	0	0.0	0	. 0.0	. 0	0.0	0	0.0
AFTER 1920 - 1930	7	13.7	1	2.7	0	0.0	Ó	0.0	Ō	0.0	Q	0.0	0	0.0
AFTER 1930 - 1940	5	9.8	. 1	2.7	1	4.2	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1940 - 1950	6	12.8	6	16.2	4	16.7	0	0.0	0	0.0	0	0.0	Q	0.0
AFTER 1950 - 1960	18	35.3	13	35.1	9	37.5	6	50.0	2	18.2	0	0.0	0	0.0
AFTER 1960 - 1970	9	17.6	15	40.5	10	41.7	6	50.0	4	36.4	3	42.9	2	40.0
AFTER 1970 - 1973	3	5.9	1	2.7	0	0.0	0	0.0	5	45.5	4	57.1	3	60.0
TOTAL	51	100.0	37	100.0	24	100.0	12	100.0	11	100.0	7	100.0	5	100.0

	ORIGINAL	ADD1 .	ADD2	ADD3	TEMPL	TEMP2	TEMP3
OLDEST STRUCTURE	1898	1921	1938	1951	1958	1961	1970
MEAN YEAR OF CONSTRUCTION	1948	1956	1957	1961	1968	1969	1971

### NUMBER AND PERCENTAGE OF LARGE ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADD	ITIONS	TEMPO	RARIES
Q	14	26.9	38	73.1
1	14	26.49	ð	15.4
2	13	25.0	3	5.8
3	11	21.2	3	5.8
TOTAL	52	100.0	52	100.0

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### NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

QA	IGINAL .		ADD1		ADDZ		ADD3	, 1	EMPI	TEMP2 1 14.3	1	TEMP3
9	17.3	3	8.1	0	0.0	0	0.0	4	9.1	1 1703	•	ĒĀĀĀ
	SCHO	orš ust	NG BASEME	ENT OF	SOME STR	UCTURE	FOR INST	AUCTION:		11 21.23		

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES 1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	ORIGINAL 24 46.2 17 32.7 11 21.2 0 0.0 52 100.0	A001 18 48.6 14 37.8 5 13.5 0 0.0 37 100.0	ADD2 15 62.5 7 29.2 2 8.3 0 0.0 24 100.0	ADD3 7 58.3 4 33.3 1 8.3 0 0.0 12 100.0	TEMP1 10 90.9 1 9.1 0 0.0 0 0.0 11 100.0	TEMP2 7 100.0 0 0.0 0 0.0 0 0.0 7 100.0	TEMP3 5 100.0 0 0.0 0 0.0 0 0.0 5 100.0
i						,	t .

	WO STORIES OR HORE	4	7.7	Q		: <del></del>								•	
A	LL WCOD STRUCTURES	OF MO	RE THAN ONE 0.0	ST01	0.0.	0	0.0	 0.0	0	0.0	,	<b>0.</b> 0	0 :	0.0	**

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	*	ADI	11	ADD2		ADD3	TEMP1	TEMP2		TEMP3	
4	ORIGINAL	33 89			11	91.7	1 9.1	0 0.0	0	0.0	
BRICK	41 78:8	0 0			0	0.0	4 36.4	2 28.6	2	40.0	
WOOD	1 1.9	0 0	_		. 0	0.0	4 36.4	4 57.1	2	40.0	
METAL	0 - 0.0				. 0		0 0.0	0 0.0	Ō	0.0	
STONE	0 0.0	0 0	_		Ō	0.0	0 0.0	0 0.0	0	0.0	
CCNCRETE	0 0.0	0 0			ŏ	0.0	0 0.0	0 0.0	0	0.0	
OTHER	1 1.9	-0 0		1 1 2	Ö	0.0	0 0.0	0 0.0	Ó	0.0	
BRICK, WOOD	0 0.0	0 0,			Ŏ	0.0	0 0.0	0 0.0	Ō	0.0	
BRICK, METAL	0 0.0				Ö	0.0	0 0.0	0 0.0	,Ō	0.0	
BRICK, STONE	3 5.8	1 2		4.2	Õ	0.0	0 0.0	0 0.0	Ō	0.0	
BRICK, CONCRETE	3 5.8	_	4 0		Ó	0.0	0 0.0	0 0.0	0	0.0	
BRICK, OTHER	0 0.0		,0 . 0		Ö	0.0	0 0.0	0 0.0	Ō	0.0	
BRICK, WOOD, METAL	0 0.0		,0 0	r			0 0.0	0 0.0	Õ	0.0	
BRICK, WOOD, CONCRETE	0 0.0		,0 0		. 0	0.0	0 0.0	0 0.0	Č	0.0	
BRICK, METAL, CONCRETE	1 1.9	=	.0 0			0.0	0 0.0 4	0 0.0	ō	0.0	Ņ
BRICK, STONE, CONCRETE	1 1.9	_	,0 0	_	0	0.0	0 0.0	0 0.0	Õ	0.0	ŏ
BRICK, WOOD, METAL, CONCRETE	0 0.0		.0 0		0	0.0		1 14.3	Õ	0.0	
ALL OTHER COMBINATIONS	1 1.9	_	.0 0		Ų	0.0	1 9.1	.0 0.0	1	20.0	
NC RESPONSE	0 0.0		.7		1	8.3	1, 9.1 11 100.0	7 100.0	Ę	100.0	- 1
TOTAL	52 100.0	37 100	.0 24	100.0	14	100.0	II IAAFA	1 70000	,	TAABA	

# NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

WEATTNO F		ı <b>÷</b>	I								#F			•
HEATING EC	MTAWEN			i	•						\$			
	OR	IGINAL		ADD1		ADD2		ADD3		TEMP1		TEMP2	1	TEMP3
JUST CENTRAL	44	84.6	. 28	75.7	16	66.7	7	58.3	3	27.3	1	14.3	2	40.0
JUST SPACE	1	1.9	. 1	2.7	3	12.5	2	16.7	. 5	45.5	•	57.1	i	20.0
CENTRAL & SPACE	4	7.7	.5	13.5	3	12.5	0	0.0	1	9.1	1	14.3	0 2	0.0 40.0
NO RESPONSE	3	5.8	3	8.1	2	8.3	3	25.0	2 11	18.2 100.0	· i	14.3 100.0	5	100.0
TOTAL	52	100.0	37	100.0	24	100.0	12	100.0	11	TOOFA	•	foria	. 1	10010
					*							,	, 1	·
COOLING EC	UIPMEN	IT				3 - 8								
	ŌR	IGINAL .		ADDL		ADD2		ADD3		TEMP1		TEMP2		TEMP3
JUST CENTRAL	12	23.1	5	13.5	. 0	0.0	1	8,3	6	54.5	6	85.7	4	80.0
JUST WINDOW UNIT	9	17.3	5	13.5	4	16.7	0	- 0.0	0	0.0	0	0.0	0	0.0
CENTRAL & WINDOW	1	1.9	1	2.7	0	0.0	0	0.0	0	0.0	0	0.0	Ç	0.0
NO MECHANICAL	30	57.7	26	70.3	20	83.3	11	91.7	5	45.5	1	14.3	1	20.0
TOTAL	52	100.0	37	100.0	24	100.0	12	100.0	11	100.0	·7	100.0	5	100.0
WINDO	רואט שו	COOLING											÷	
	na	IGINAL		ADD1		ADD2		ADD3		TEMP1		TEMP2		TEMP3
ALL ROCHS	1	10.0	1	16,7	Ž	50.0	Q	0.0	0	0.0	O	0.0	0	0.0
SELECTED ROOMS	7	70.0	2	33.3	0	0.0	0	0.0	0	0.0	0	0.0	Q	0.0
NO RESPONSE	2	20.0	3	50.0	2	50.0	0	G.0	Ō	0.0	0	0.0	Ō	0.0
TOTAL	10	100.0	6	100.0	4	100.0	0	100.0	0	100.0	0	100.0	0	100.0
								• •						
					,						:			:
LIGHTING E	CUIPME	:NT				٠								
	OA	IGINAL		AĎDL		ADD2		. ADD3		TEMP1	,	TEMP2	,	TEMP3
INCANDESCENT	11	21.2	, 4	10.8	1	4.2	1	8.3 ,	1	9.1	1	14.3	Q	0.0
FLUORESCENT	40	76.9	31	83.8	23	95.8	. 11	91.7	9	81.8	. 6	85.7	3	60.0
BOTH	1	1.9	Ó	0.0	Ō	0.0	Ō	0.0	Ō	0.0	Ō	0.0	0	0.0
OTHER	3	5.8	0	0.0	1	4.2	0	0.0	0	0.0	0	0.0	Q	0.0
NO RESPONSE	. 0	0.0	2	5.4	0	0.0	. 0	0.0	.1	9,1	Õ	0.0	Z	40.0
TOTAL	52	100.0	37	100.0	24	100.0	12	100.0	11	100.0	7	100.0	5	100.0

### NUMBER AND PERCENTAGE OF LARGE ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER PERCENTAGE	
WATER UTILITY	52 100.0	************************************
PUMP ON PROPERTY	0, 0 0.0	
OTHER (WELLS, ETC.)	0 0.0	
NO RESPONSE	0 0.0	
TOTAL	52 100.0	102 202 302 402 502 602 702 802 902 1002

NUMBER AND PERCENTAGE OF PRINCIPALS OF LARGE ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	***	
MAINTENANCE	28	53.8·	******	
CCNSTRUCTION	10	19.2	******	i
BOTH	3	5.8	<b> ***</b>	
NEITHER (INCLUDING NO RESPONSE)	11	21.2	******	
TOTAL	52	100.0		-484510443244
· • · · · ·	_		101 202 301 401 501 601 701	80 <b>%</b> 90% 100%

PLANT PROFILES: LARGE ELEMENTARY SCHOOLS IN CITY/SPECIAL SYSTEMS

CRITERION	***	DEQUATE	SUBSTANDARD			
	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE		
1. ENROLLMENT/CAPACITY RATIO <= 1	. 38	74.5	13	25.5		
2. MEETS NATIONAL SCHOOL SIZE STANDARDS	. 0	0.0	52	100.0		
3. MEETS NATIONAL SITE SIZE STANDARDS	10	19.6	41	80-4		
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	36	70.6	15	29.4	i	
5. NO TEMPORARY STRUCTURES	38	73.1	14	26.9	i	
6. NO BASEMENT USED FOR INSTRUCTION	41	78.8	11	21.2		
7. NO BUILDING OF WOOD EXCLUSIVELY	46	88.5	6	11.5		
8. CENTRAL HEATING IN ORIGINAL BUILDING	48	92.3	4	7.7		
9. CENTRAL AIR OR ALL WINDOW UNITS	13	25.0	25	48.1		
10. COMPLETE FLUORESCENT LIGHTING	39	75.0	6	11.5		
11. USE OF WATER UTILITY	52	100.0	0 '	0.0		
S 7 OF 11 OF ABOVE CRITERIA	29	55.8	2	3.8		
LIUC			• .			

### SMALL MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS

### 5 RESPONDENTS

NUMBER AND PERCENTAGE OF SMALL HIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROLI	LHENT/CAPACITY			· ,
	RATIO	NUMBER	PERCENTAGE	
ABOVĒ	0.0- 0.5	1	20.0	
ABOVE	0.5- 0.8	Ž	40.0	*************
ABOVE	0.8-1.0	2	40.0	***********
ABCVE	1.0- 1.5	0	0.0	
ABOVE	1.5- 2.0	0	0.0	· 1
ABOVE	2.0-13.0	0	0.0	1
	TOTAL	5	100.0	
	******			102 202 302 402 503 602 70% 80% 90% 100%
SCHO	OLS THAT EXCEED	CAPACITY	0	0.02

NUMBER AND PERCENTAGE OF SMALL MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES).

ACRES	NUMBER	PERCENTAGE	
O- LESS THAN 1	0	0.0	•
1- LESS THAN 5	3	60.0	**********************
5- LESS THAN 10	2	40.0	************
10- LESS THAN 20	0	0.0	1
20- LESS THAN 30	0	0.0	
30- LESS THAN 50	0	0.0	
50- LESS THAN 100	Q	0.0	
TOTAL	5	100.0	101 201 301 401 501 601 701 801 901 1001

MEDIAN SCHOOL SITE SIZE IS 4 ACRES

NUMBER AND PERCENTAGE OF SMALL MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS MEETING SITE SIZE REQUIREMENTS: 0 0.0%

# NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	ORIGINAL	ADD1	ADDZ	ADD3	TEMPL	TENP2	TEMP3
60 OR OVER	1 20.0	0.0	0 0.0	0 0.0	0.0	0 0.0	0 0.0
40- LESS THAN 60	3 60.0	1 20.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0
20- LESS THAN 40	1 20.0	2 40.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
LESS THAN 20	0 0.0	2 40.0	2 100.0	2 100.0	1 100.0	0 0.0	0 0.0
TOTAL	5 100.0	5 100.0	2 100.0	2 100.0	1 100.0	0 100.0	0 100.0

## NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	OR	IGINAL		ADD1		ADD2		ADD3	i 1		TEMP1	•	TEMP2		TEMP3
AFTER 1840 - 1870	Ō	0.0	0	0.0	0	0.0	0	0.0		0	0.0	0	0.0	0	0.0
AFTER 1870 - 1880	ñ	0.0	Ō	0.0	Ō	0.0	0	0.0	•	0	0.0	0	0.0	. 0	0.0
AFTER 1880 - 1890	i	20.0	Ō	0.0	Ō	0.0	0	0.0		Ó	0,0	0	0.0	. 0	0.0
AFTER 1890 - 1900	ō	0.0	Õ	0.0	ō	0.0	Ō	0.0		0	0.0	0	0.0	0	0.0
AFTER 1900 - 1910	ň	0.0	ō	0.0	ā	0.0	Ô	0.0	1	0	0.0	0	0.0	0	0.0
AFTER 1910 - 1920	Ö	0.0	ĭ	20.0	ō	0.0	Õ	0.0		Ô	0.0	0	0.0	0	. 0.0
AFTER 1920 - 1930	3	60.0	Ō	0.0	ō	0.0	Ō	0.0	•	0	0.0	0	0.0	0	0.0
AFTER 1930 - 1940	ő	0.0	ō	0.0	Ō	0.0	Ó	0.0	٠.	0	0.0	Q	0.0	0	0.0
AFTER 1940 - 1950	Ö	0.0	1	20.0	ā	0.0	Ō	0.0		Ō	0.0	0	0.0	0	0.0
AFTER 1950 - 1960	1	20.0	i	60.0	2	100.0	Ō	0.0		Ó	0.0	Ó	0.0	. 0	0.0
AFTER 1960 = 1970	ň	0.0	Ó	0.0	ō	0.0	2	100.0		0	0.0	0	0.0	0	0.0
AFTER 1970 - 1973	Ô	0.0	٥	0.0	ŏ	0.0	ō	0.0		ĺ	100.0	0	0.0	Q	0.0
TOTAL	5	100.0	5	100.0	2	100.0	2	100.0		Ī	100.0	0	100.0	. 0	100.0

	ORIGINAL	ADD1	ADD2	ADD3	TEMP1	TEMP2	TEMP3
OLDEST STRUCTURE	1683	1916	1957	1964	1972	0	0
MEAN YEAR OF CONSTRUCTION	1921	1945	1958	1964	1972	Ó	0

### NUMBER AND PERCENTAGE OF SMALL MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADD	ITIONS	TEMPO	RARIES
0	0	0.0	4	60.0
1	2	40.0	1	20.0
2	2	40.0	0	0.0
3	1	20.0	0	. 0.0
TOTAL	5	100.0	5	100.0



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# NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

-	IGINAL 60.0	1	ADD1 20.0	1	ADD2 50.0	0	ADD3 0.0	0	C+O	0	TEHP2 Q.O	0	TEHP3 0.0
	renaer f		NA KIPAUÉN	Ŧ ĀĒ	enue etaii	ir Tilo E	END THE	TRÁCT I DN:	ł	1	40.01		

## NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 2 2 1 0 5	1GINAL 40.0 40.0 20.0 0.0	1 3 1 0 5	ADD1 20.0 60.0 20.0 0.0 100.0	1 1 0 0 2	ADD2 50.0 50.0 0.0 0.0	1 1 0 0 2	ADD3 50.0 50.0 0.0 0.0	1 0 0 0	TEMP1 100.0 0.0 0.0 0.0 100.0	0	TEMP2 0.0 0.0 0.0 0.0 0.0	0 0 0	0.0 0.0 0.0 0.0 0.0
TWO STORIES OR MORE	1	BEFORE 192 20.0 E THAN ONE 0.0	1	20.0 Y 0.0	0	0.0 0.0	0	0.0	0	0.0	0	0.0	0	0.0

## NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ORIGINAL	ADOL	ADDZ	ADD3	TEMP1	TEMP2	TEMP3
BRICK	4 80.0	3 60.0	2 100.0	2 100.0	1 100.0	0 0.0 ,	0 0.0
WOOD	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0	0 0.0
METAL	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0
STONE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
CCNCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
OTHER	0 0.0	0 0.0	0 0.0		0 0.0	0 0.0	0 0.0
BRICK, WOGD .		0 0.0	0 0.0		0.0.0	0 0.0	0 0.0
BRICK, METAL	0 0.0	-	0 0.0	0 0.0	0.0.0	0 0.0	0 0.0
BRICK, STONE	0 '0.0	0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, CONCRETE	1 20.0	2 40.0	- :-:			0 0.0	0 0.0
BRICK, OTHER	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0		0 0.0
BRICK, WOOD, METAL	0 0.0	0 0.0	0 0.0	0 0.0	0.0	0.0	B.4
BRICK, WOOD, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0 0
BRICK, METAL, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0.0	0.0	4 0.0 0
BRICK, STONE, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WODD, METAL, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
ALL OTHER COMBINATIONS	0 0.0	0 0.0	0 0.0	0 0.0	0.0	0 0.0	0.0
NO RESPONSE	0 0.0	0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0
TOTAL	5 100.0	5 100.0	2 100.0	2 100.0	1 100.0	0 100.0	0 100.0

# NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQU	IPHENT						
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ORIGINAL 5 100.0 0 0.0 0 0.0 0 0.0 5 100.0	ADD1 5 100.0 0 0.0 0 0.0 0 0.0 5 100.0	ADD2 2 100.0 0 0.0 0 0.0 0 0.0 2 100.0	ADD3 2 100.0 0 0.0 0 0.0 0 0.0 2 100.0	TEMP1 1 100.0 0 0.0 0 0.0 0 0.0 1 100.0	TEMP2 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0	TEMP3. 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0
COOLING EQU	IIPMENT				1		
	ORIGINAL	A001	ADD2	ADD3	TEMPL	TEMPZ	TEMP3
JUST CENTRAL	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
JUST WINDOW UNIT	0 0.0	3 60.0	0 0.0	1 50.0	0 0.0	0 0.0	0 0.0
CENTRAL & WINDOW	0 0.0	0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
NO HECHANICAL	5 100.0	2 40.0	2 100.0	1 50.0 2 100.0	1 100.0 1 100.0	0 0.0 0 100.0	0 100.0
TOTAL	5 100.0	5 100.0	2 100.0	2 100.0	1 10010	0 10010	A \$1414
MINDON	UNIT COOLING			ï			
	ORIGINAL	ADD1	ADD2	ADD3	· TEMP1	TEMP2	TEMP3
ALL ROOMS	0 0.0	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0
SELECTED ROOMS	0 0.0	3 100.0	0 0.0	1 100.0	0.0	0 0.0	0 0.0
NO RESPONSE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0 0 100.0	0 0.0 0 100.0
TOTAL	0 100.0	3 100.0	0 100.0	1 100.0	0 100.0	4 10010	
LIGHTING EC	JUIPHENT						•
	ORIGINAL	ACD1	ADD2	. ADD3	TEMP1	TEMP2	TEMP3
INCANDESCENT	1 20.0	1 20.0	0.0	1 50.0	0 0.0	0 0.0	0 0.0
FLUCRESCENT	3 60.0	4 80.0	2 100.0	1 50.0	0 0.0	0 0.0	0 0.0
BOTH	1 20.0	0 0.0	0 0.0	0 0.0	0 0.0	0 .0.0	0 0.0
OTHER	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
NO RESPONSE	0 0.0	0 0.0	0 0.0	0 0.0	1 · 100.0 1 · 100.0	0 0.0 0 100.0	0 0.0 0 100.0
TOTAL	5 100.0	5 100.0	2 100.0	2 100.0	Ţ ŢΛΛ∳Λ		

NUMBER AND PERCENTAGE OF SMALL MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE	
WATER UTILITY	5	100.0	***********************************
PUMP ON PROPERTY	0	0.0	
OTHER (WELLS, ETC.)	0	0.0	1
NO RESPONSE	0	0.0	1
TOTAL	5	100.0	************************************
			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

NUMBER AND PERCENTAGE OF PRINCIPALS OF SMALL MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se
MAINTENANCE	2	. 40.0	****************
CCNSTRUCTION	3	60.0	********************
BOTH e	0	0.0	
NEITHER (INCLUDING NO RESPONSE)	0	0.0	
TOTAL	5	100.0	######################################
			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

PLANT PROFILES: SMALL MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS

	CRITERION		DEQUATE	SUBSTANDARD			
	·	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE		
l.	ENROLLMENT/CAPACITY RATIO <= 1	, 5	100.0	0	0.0		
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	2	40.0	3	60.0		
3.	MEETS NATIONAL SITE SIZE STANDARDS -	9	0.0	5	100.0		
4.	ORIGINAL BUILDING 30 YRS OLD OR LESS	1	20.0	4	80.0		
5.	NG TEMPORARY STRUCTURES	4	80.0	1	20.0		
6.	NO BASEMENT USED FOR INSTRUCTION	2	40.0	3	60.0		
7.	NO BUILDING OF HOOD EXCLUSIVELY	5	100.0	0	0.0		
8.	CENTRAL HEATING IN ORIGINAL BUILDING	5	100.0	0	0.0		
9.	CENTRAL AIR OR ALL WINDOW UNITS	0	0.0	2	40.0		
10.	COMPLETE FLUORESCENT LIGHTING	4	80.0	1	20.0		
11.	USE OF WATER UTILITY	. 5	100.0	. 0	0.0		
12.	MEETS 7 OF 11 OF ABOVE CRITERIA	2	40.0	0	0.0		

CATA DISPLAY 4.17

MEDIUM MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS

#### 25 RESPONDENTS

NUMBER AND PERCENTAGE OF MEDIUM MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENACLI	LMENT/CAPACITY RATIO	NUMBER	PERCENTAGE	
ABOVE	0.0- 0.5	0	0.0	1
ABOVE	0.5- 0.8	11	45.8	0 x x x x x x x x x x x x x x x x x x
ABCVE	0.8- 1.0	8	33.3	***********
ABCVE	1.0- 1.5	5	20.8	******
ABCVE	1.5- 2.0	0	0.0	1
ABCVE	2.0-13.0	0	0.0	
******	TOTAL	24	100.0	字····································
	19166	-		10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
SCHQ(	CLS THAT EXCEED	CAPACITY:	5	20.8%

NUMBER AND PERCENTAGE OF MEDIUM MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES) .

ACRES 0- LESS THAN 1 1- LESS THAN 5 5- LESS THAN 10 10- LESS THAN 20 20- LESS THAN 30 30- LESS THAN 50 50- LESS THAN 100 TOTAL	NUMBER 0 3 8 5 4 4 0 24	PERCENTAGE 0.0 12.5 33.3 20.8 16.7 16.7 0.0 100.0	*****   ***************   *******   *******
IOINE	<b>*</b> '	*****	101 201 301 401 501 601 701 801 901 1001

MEDIAN SCHOOL SITE SIZE IS 11 ACRES

NUMBER AND PERCENTAGE OF MEDIUM MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS MEETING SITE SIZE REQUIREMENTS: 5 20.8%



## NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	ORIGINAL	ADD1	SODA	AOD3	TEMP1	TEMP2	TEXP3
60 OR PER	2 8.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
40- LEL THAN 60	8 32.0	. 1 12.5	1 16.7	0 0.0	0 0.0	0 0.0	0 0.0
20- LESS THAN 40	3 12.0	1 12.5	1 16.7	1 50.0	0 0.0	0 0.0	0 0.0
LESS THAN 20	12 48.0	6 75.0	4 66.7	1 50.0	2 100.0 2 100.0	2 100.0 2 100.0	0 0.0 0 100.0
TOTAL	25 100.0	8 IOO.O	6 100.0	2 100.0	5 10010	5 100.0	0 10010

# NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	ŪR	IGINAL		ADD1		SODA		ADD3		TEMPL		TEMP2		TEMP3
AFTER 1840 - 1870	0	0.0	0	0,0	Ū	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1870 - 1880	ā	0.0	ā	. 0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0"
AFTER 1880 - 1890	ō	0.0	ā	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1890 - 1900	ì	4.0	Ō	0.0	0	0.0	0	0.0	Ó	0.0	0	0.0	0	0.0
AFTER 1900 - 1910	1	4.0	Ō	0.0	Ó	0.0	0	0.0	0	0,0	Ō	0.0	0	0.0
AFTER 1910 - 1920	2	8.0	ō	0.0	0	0.0	. 0	0.0	0	0.0	. 0	0.0	0	0.0
AFTER 1920 - 1930	5	20.0	1	12.5	1	16.7	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1930 - 1940	2	8.0	Ō	0.0	· 1	16.7	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1940 - 1950	ī	4.0	0	0.0	0	0.0	Ó	0.0	0	0.0	0	0.0	0	0.0
AFTER 1950 - 1960	Ž	28.0	5	62.5	2	33.3	1	50.0	0	0.0	Ò	0.0	0	0.0
AFTER 1960 - 1970	5	20.0	2	25.0	1	16.7	1	50.0	1	50.0	0	0.0	0	0.0
AFTER 1970 - 1973	1	4.0	0	0.0	1	16.7	0	0.0	1	50.0	2	100.0	0	0.0
TOTAL	25	100.0	8	100.0	6	100.0	2	100.0	2	100.0	2	100.0	0	100.0

	ORIGINAL	ADD1 .	ADD2	AD03	TEMPL	TEMP2	TEMP3
OLDEST STRUCTURE	1896	1925	1927	1953	1970	1971	0
MEAN YEAR OF CONSTRUCTION	1942	1954	1952	1957	1970	1972	0

## NUMBER AND PERCENTAGE OF MEDIUM MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADD	ITIONS	TEMPOKARIES				
0	14	56.0	ŻŻ,	88.0			
1	8	32.0	2	8.0			
Ž	1	4.0	1	4.0			
3	2	8.0	0	0.0			
TOTAL	25	100.0	25	100.0			

## NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

ORI 5	GINAL 20.0	1	ADD1 12.5	1	ADD2 16.7	0	ADD3 0.0	0	TEMP1 0.0	0	TEMP2 0.0	0	TEMP3 0.0
	SCHOOLS	USI	NG BASEMENT	OF	SOME S	TRUCTURE	FOR INST	RUCTION	ı	5	20.0		

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 11 7 7 0 25	1GINAL 44.0 28.0 28.0 0.0	7 0 1 0 8	ADD1 87.5 0.0 12.5 0.0 100.0	3 2 1 0 6	ADD2 50.0 33.3 16.7 0.0 100.0	2 0 0 0 2	A003 100.0 0.0 0.0 0.0 100.0	2 0 0 0 2	TEMP1 100.0 0.0 0.0 0.0 100.0	2 0 0 0 2	TEMP2 100.0 0.0 0.0 0.0 100.0	0 0 0	TEMP3 0.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	4	BEFORE 1920 16.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
ALL MGOD STRUCTURES	OF MOR	E THAN ONE 0.0	STORY 0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

;	ORIGINAL	ADD1	ADD2	ADD3	TEMP1	TEMPZ	TEMP3
	20 80.0	8 100.0	5 83.3	2 100.0	0 0.0	0 0.0 .	0 0.0
BRICK	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
MCOD		0 0.0	0 0.0	0 0.0	2 100.0	2 100.0	0 0.0
HETAL	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
STCNE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
CCNCRETE	0 0.0		0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
OTHER	0 0.0	0 0.0	0.0.0	0 0.0	0 0.0	0 0.0	0 0,0
BRICK, WOOD	0 0.0	0 0.0	1 16.7	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, METAL	2 8.0	0 0.0		0 0.0	0 0.0	0 0.0	0 0.0
BRICK, STONE	0 0.0	0 0.0	1 1 1	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, CONCRETE	1 4.0	0 0.0	0 0.0		0 0.0	0 0.0	0 0.0
BRICK. OTHER	0 0.0	0 0.0	0 0.0		0 0.0	0 0.0	0 0.0
BRICK, WOOD, METAL	0 0.0	0 0.0	0 0.0		0 0.0	0 0.0	0 0.0
BRICK, WOOD, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	· · · · · · · · · · · · · · · · · · ·		0.0 0
BRICK, METAL, CONCRETE	2 8.0	0 0.0	0 0.0	0 0.0	0 0.0		0 0.0
BRICK, STONE, CONCRETE	0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	-
BRICK, HOOD, METAL, CONCRETE	0 0.0	0 0.0	0 0.0	Ó 0.0	0 0.0	Ú 0.0	0 0.0
ALL OTHER COMBINATIONS	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0
NO RESPONSE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0,0
TOTAL	25 100.0	8 100.0	6 100.0	2 100.0	2 100.0	2 100.0	0 100.0

# NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQ	JIPHENT						
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ORIGINAL 22 88.0 3 12.0 0 0.0 0 0.0 25 100.0	ADD1 6 75.0 1 12.5 0 0.0 1 12.5 8 100.0	ADD2 6 100.0 0 0.0 0 0.0 0 0.0 6 100.0	ADD3 2 100.0 0 0.0 0 0.0 0 0.0 2 100.0	TEMP1 1 50.0 1 50.0 0 0.0 0 0.0 2 100.0	TEMP2 0 0.0 2 100.0 0 0.0 0 0.0 2 100.0	TEMP3 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0
COOLING EQ	UIPMENT		•				
•	ORIGINAL	ADD1	ADD2	ADD3	TEMP1	TEMPZ	TEMP3
JUST CENTRAL	7 28.0	2 25.0	1 16.7	0 0.0	1 50.0	0 0.0	0 0.0 0 0.0
JUST WINDOW UNIT	2 8.0	1 12.5	0 0.0	0 0.0 0 0.0	1 50 <b>.0</b> 0 0.0	2 100.0 0 0.0	0 0.0
CENTRAL & WINDOW	0 0.0	0 0.0 5 62.5	0 0.0 5 83.3	2 100,0	0 0.0	0 0.0	0 0.0
NO MECHANICAL TOTAL	16 64.0 25 100.0	8 100.0	6 100.0	2 100.0	2 100.0	2 100.0	0 100.0
TOTAL	27 10010	0 10010	* *****	-			
. WINDO	W UNIT COOLING						
	ORIGINAL	ADD1	ADD2	AD03	TEMP1	TEMP2	TEMP3
ALL ROOMS	0 0.0	0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0
SELECTED ROOMS	2 100.0	1 100.0	0 0.0	0 0.0	1 100.0	2 100.0	0 0.0
NO RESPONSE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0 0 100.0
TOTAL	2 100.0	1 100.0	0 100.0	0 100.0	1 100.0	2 100.0	. 4 10040
<b>*</b> •				1			
			,	x.			
LIGHTING E	QUIPHENT						
	ORIGINAL	ACO1	AD02	ADD3	TEHPL	TEMPZ	TEXP3
INCANDESCENT	6 24.0	3 37.5	1 16.7	1 50.0	0.0		. 0 0.0
FLUORÉSCENT	17 68.0	4 50.0	4 66.7	1 50.0	2 100.0	2 100.0	0 0.0
BOTH	2 8.0	. 0. 0.0	1 16.7	0 0.0	0 0.0	0 0.0	0 0.0
CTHER	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
NO RESPONSE	0 0.0	1 12.5	0 0.0 6 100.0	0 0.0 2 100.0	0 0.შ 2 100.0	0 0.0 2 100.0	0 100.0
TOTAL	25 100.0	8 100.0	A TAMER	P FAAIA	* *****	* ****	च <b>स्ट</b> ब्र

## NUMBER AND PERCENTAGE OF MEDIUM MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE	· · · · · · · · · · · · · · · · · · ·	
WATER UTILITY	25	100.0	*****************	
PUMP ON PROPERTY	0	0.0		
GTHER (WELLS, ETC.)	0	0.0		
NO RESPONSE	0	0.0		
TOTAL	25	100.0	107 207 307 407 507 607 707 807 907 1007	
			101 201 301 401 501 601 701 801 901 1001	

# NUMBER AND PERCENTAGE OF PRINCIPALS OF MEDIUM MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCE	10	40.0	***********
CONSTRUCTION	12	48.0	***********
BCTH	3	12.0	*****
NEITHER (INCLUDING NO RESPONSE)	0	0.0	
TOTAL	25	100.0	等基本是是在美国企业中的企业的企业,并不是一个企业的企业的企业的企业的企业的企业的企业的企业的企业的企业的企业的企业的企业的企
iğine			107 207 307 407 507 607 707 807 907 1007

### PLANT PROFILES: MEDIUM MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS

CRITERION	AI Number	DEQUATE Percentage	SUBS Number	STANDARD PERCENTAGE
1. ENROLLMENT/CAPACITY RATIO <= 1	19	79.2	5	20.8
2. MEETS NATIONAL SCHOOL SIZE STANDARDS	25	100.0	. 0	0.0
3. MEETS NATIONAL SITE SIZE STANDARDS	5	20.8	19	79.2
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	13	52.0	12	46.0
5. NG TEMPORARY STRUCTURES	22	88.0	. 3	12.0
6. NO BASEMENT USED FOR INSTRUCTION	20	80.0	5	20.0
7. NO BUILDING OF WOOD EXCLUSIVELY	25	100.0	0	0.0
8. CENTRAL HEATING IN ORIGINAL BUILDING	22	88.0	3	12.0
9. CENTRAL AIR OR ALL HINCOW UNITS	7	28.0	16	64.0
10. CCMPLETE FLUORESCENT LIGHTING	18	, 72•0	5	20.0
TO THE OF WATER UTILITY	25	100.0	0	0.0
RIC DETS 7 OF 11 OF ABOVE CRITERIA	23	92.0	1	4.0

### LARGE MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS

### 29 RESPONDENTS

NUMBER AND PERCENTAGE OF LARGE MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROLI	LPENT/CAPACITY			•
*****	RATIO	NUMBER	PERCENTAGE	
ABCVE	0.0- 0.5	١ ٥	0.0	
ABOVE	0.5- 0.8	9	31.0	***********
ABOVE	0.8- 1.0	16	55.2	***********
ABOVE	1.0- 1.5	4	13.8	*****
ABOVE	1.5- 2.0	0	0.0	'
ABOVE	2.0-13.0	Q	0.0	
	TOTAL	29	100.0	
				10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

SCHOOLS THAT EXCEED CAPACITY:

13.87

NUMBER AND PERCENTAGE OF LARGE MIDDLE SCHOOLS IN CITY/SPEC AL SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES	NUMBER	PERCENTAGE	·
O- LESS THAN 1	0	0.0	
1- LESS THAN 5	5	17.9	********** ·
5- LESS THAN 10	5	17.9	*******
10- LESS THAN 20	Ą	28.6	******
20- LESS THAN 30	6	21.4	*******
30- LESS THAN 50	3	10.7	*****
50- LESS THAN 100	1	3.6	**
TOTAL	28	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

MEDIAN SCHOOL SITE SIZE IS 12 ACRES

NUMBER AND PERCENTAGE OF LARGE MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS MEETING SITE SIZE REQUIREMENTS: 3 10.7%

## NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS CCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	ORIG	INAL		AOD1		,	ADD2			ADD3		TEMP1		TEMP2			TEMP3
60 OR OVER	0	0.0	. 0	0.0	i	0	0.0		0	0.0	, 0	0.0	0	0.0		0	0.0
40- LESS THAN 60	4	14.3	2	20.0	,	0	0.0		Ō	0.0	0	0.0	0	0.0	÷	0	0.0
20- LESS THAN 40	2	7.1	1	10.0		3	37.5	ŧ	2	33.3	0	0.0	0	0.0		Q	0.0
LESS THAN 20	22 - 1	78.6	7	70.0	,	5	62.5		4	66.7	3	100.0	2	100-0		Ž	100.0
TOTAL	28 10	00.0	10	100.0		8	100.0		6	100.0	3	100.0	2	100.0		2	100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

ORIGINAL	A001	ADDZ	A003	TEMP1	TEMP2 TEMP3
AFTER 1840 - 1870 0 0.0	0 0.0	0 0.0	O O.O.	0 0.0	0 0.0 0 0.0
AFTER 1870 - 1880 0 - 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0 0 0.0
AFTER 1880 - 1890 '0 0.0 .	0 0.0	0 0.0	0 0.0	0.0	0 0.0 0 0.0
AFTER 1890 - 1900 0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0 0 0.00
AFTER 1900 - 1910 0 . 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0 10 0.0
AFTER 1910 - 1920 1 3.6	0 0.0	0 0.0	0 0.0	0 * 0.0	0 0.0 0 0.0
AFTER 1920 - 1930 3 10.7	1 10.0	0 0.0	0 0.0	0 0.0	0 0.0 0 0.0
AFTER 1930 - 1940 0 0.0	2 20.0	2 25.0	Ō 0.0	0 0,0	0 0.0 0 0.0
AFTER 1940 - 1950 2 7.1	0.0	1 12.5	0 0.0	0, 0.0	0 ,000 . 0 0.0.
AFTER 1950 - 1960 B 28.6	3 30.0	3 37.5	3 50.0	1 33.9	1 50.0 0 0.0
AFTER 1960 - 1970 9 32.1	3 30.0	2 25.0	3 50.0	2 66.7	1 50.0 1 50.0
AFTER 1970 - 1973 5 17.9	1 10.0	0.0	·0 0•0 ·	0 0.0	0 0.0 1 50.0
TOTAL 28 100.0	10 100.0	8 100.0	6 100.0	3 100.0	2 100.0 2 100.0

	ORIGINAL	ADD1	ADD2	ADD3	TEMPI	TENP2	TEMP3
OLDEST STRUCTURE	1916	1924	1938	1952	1955	1960	1965
MEAN YEAR OF CONSTRUCTION	1956	1952	1953	1958	1959	1962	1968.

NUMBER AND PERCENTAGE OF LARGE MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADD	ITIONS	TEMPO	RARIES
Ō	15	51.7	26	89.7
1	9	31.0	. 1	3.4
Ž	. 0	0.0	0	0.0
3	5	17.2	2	6.9
TOTAL	29	100.0	29	100.0

N 5 3

### NUMBER AND PERCENTAGE OF BUILDINGS OF L'ARGE MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

IGINAL 27.6	3	ADD1 30.0	3	A0D2 37.5	2	ADD3 33.3		EMP1 · 33.3	0	TEMP2 0.0	0	TEMP3 0.0
SCHOOL	s usi	NG BASEMENT	OF	SOME STRU	JCTURE	FOR INSTR	UCT ION:		11	37.9%		

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES 1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	ORIGINAL 5 17.2 11 37.9 13 44.8 0 0.0 29. 100.0	ADD1 1 10.0 7 70.0 2 20.0 0 0.0 10 100.0	2 1 5 0 8	ADD2 25.0 12.5 62.5 0.0 100.0	3 2 1 0 6	ADD3 50.0 33.3 16.7 0.0 100.0	2 0 1 0 3	TEMP1 66.7 0.0 33.3 0.0 100.0	2 0 0 0 2	TEMP2 100.0 0.0 0.0 0.0 100.0	1 0 1 0 2	TEMP3 50.0 0.0 50.0 0.0
TWO STORIES OR MORE	2 6.9 OF MORE THAN ONE	0 0.0	0	0.0	0	0.0	0 ,	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

4	ORIGINAL	ADD1	ADD2	. ADD3	TEMPI	TEMP2	TEMP3
BRICK	17 58.6	7 70.0	4 50.0	6 100.0	1 33.3	1 50.0	1 50.0
NCCD	0.0.0	0 0.0	0 0.0	0 0.0	2 66.7	1 50.0	1 50.0
METAL	0 0.0	0 0.0	0 0.0	, 0 0.0	0 0.0	0 0.0	0 0.0
STONE	. 0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
CONCRETE	1 3.4	2 20.0	1 12.5	0 0.0	0 0.0	0 0.0	0.0
OTHER	0 0.0	0.0	0 0.0	0.0	0 0.0	0 0.0	0.0
BRICK, WOOD	1 3.4	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, METAL	0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0	. 0 0.0
BRICK, STONE	0 0.0	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0
BRICK, CONCRETE	6 20.7	1 10.0	1 12.5	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, OTHER	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, METAL	0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOCD, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0 N
BRICK, METAL, CONCRETE	3 10.3	0 0.0	2 25.0	0 0.0	0 0.0	0 0.0	0.0 0
BRICK, STONE, CONCRETE	0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, METAL, CONCRETE	1 3.4	, O O•O	0 0.0	0 0.0 #	0 0.0	0 0.0	0 0.0
ALL OTHER COMBINATIONS	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
NO RESPONSE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0,0	0.0
TOTAL	29 100.0	10 100.0	8 100.0	6 100.0	3 100.0	2 100.0	2 10ō.O

# NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE HIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EC	UIPHENT						
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TUTAL	ORIGINAL 27 93.1 1 3.4 1 3.4 0 0.0 29 100.0	ADD1 9 90.0 1 10.0 0 0.0 0 0.0 10 100.0	ADD2 8 100.0 0 0.0 0 0.0 0 0.0 8 100.0	ADD3 6 100.0 0 0.0 0 0.0 0 0.0 6 100.0	TEMP1 2 66.7 1 33.3 0 0.0 0 0.0 3 100.0	TEMP2 1 50.0 1 50.0 0 0.0 0 0.0 2 100.0	TEMP3 1 50.0 1 50.0 0 0.0 0 0.0 2 100.0
	1	•				•	
COOLING EC	UIPMENT			. w	auso visus sinast mesmendan lumbun v	en der er weigen eine er werden er generalen.	
JUST CENTRAL JUST WINDOW UNIT CENTRAL & WINDOW NO MECHANICAL TOTAL	ORIGINAL 13 44.8 3 10.3 0 0.0 13 44.8 29 100.0	ACD1 2 20.0 2 20.0 0 0.0 6 60.0 10 100.0	A0D2 2 25.0 0 0.0 0 0.0 6 75.0 8 100.0	ADD3 0 0.0 0 0.0 0 0.0 6 100.0 6 100.0	TEMP1 0 0.0 0 0.0 0 0.0 3 100.0 3 100.0	TEMP2 0 0.0 0 0.0 0 0.0 2 100.0 2 100.0	TEMP3 2 100.0 0 0.0 0 0.0 0 0.0 2 100.0
WINDO	W UNIT COOLING	•				,	
ALL ROCMS SELECTED ROOMS NC RESPONSE TOTAL	DRIGINAL 2 66.7 0 0.0 1 33.3 3 100.0	ADD1 0 0.0 1 50.0 1 50.0 2 100.0	ADD2 0 0.0 0 0.0 0 0.0 0 100.0	ADD3 0 0.0 0 0.0 0 0.0 0 100.0	TEMP1 0 0.0 0 0.0 0 0.0 0 100.0	TEMP2 0 0.0 0 0.0 0 0.0 0 100.0	TEMP3 0 0.0 0 0.0 0 0.0 0 100.0
i .	<b>.</b>		,			÷	
LIGHTING E					<b>2</b> 21141	75465	Téuna
INCANDESCENT FLUORESCENT BOTH OTHER NO RESPONSE TOTAL	ORIGINAL 2 6.9 26 89.7 1 3.4 0 0.0 0 0.0 29 100.0	ADD1 2 20.0 7 70.0 1 10.0 0 0.0 0 0.0 10 100.0	ADD2 2 25.0 5 62.5 1 12.5 0 0.0 0 0.0 8 100.0	ADD3 1 16.7 4 66.7 1 16.7 0 0.0 0 100.0	TEMP1 0 0.0 3 100.0 0' 0.0 0 0.0 0 0.0 3 100.0	TEMP2 0 0.0 2 100.0 0 0.0 0 0.0 0 0.0 2 100.0	TEMP3 0 0.0 2 100.0 0 0.0 0 0.0 0 0.0 2 100.0

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NUMBER AND PERCENTAGE OF LARGE MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE,	
WATER UTILITY	29	100.0	***************
PUMP ON PROPERTY	0	0.0	
CTHER (WELLS, ETC.)	0	0.0	
NO RESPONSE .	0	0.0	
TOTAL	29	100.0	
		•	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

NUMBER AND PERCENTAGE OF PRINCIPALS OF LARGE MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE 44.8	[***************
MAINTENANCE Construction	13 11	37.9	[***************
BOTH	Q	0.0	
NEITHER (INCLUDING NO RESPONSE) TOTAL	5 29	17.2 100.0	
IUIAL	6.7	, FAAA	107 201 301 401 501 601 701 801 901 1001

PLANT PROFILES: LARGE MIDDLE SCHOOLS IN CITY/SPECIAL SYSTEMS

	CRITERION		DEQUATE	SUBSTANDARD			
		, NUMBĒR	PERCENTAGE	NUMBER	PERCENTAGE		
1.	ENROLLMENT/CAPACITY RATIO <= 1	25	86.2	4	13.8		
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	2	6.9	27	93.1		
3.	MEETS NATIONAL SITE SIZE STANDARDS	3	10.7	´, 25	89.3		
4,	ORIGINAL BUILDING 30 YRS OLD OR LESS	23	82.1	. 5	17.9		
5.	NG TEMPORARY STRUCTURES	26	89.7	3	10.3		
6.	NO BASEMENT USED FOR INSTRUCTION	18	62.1	11	37.9		
7.	NO BUILDING OF WOOD EXCLUSIVELY	27	93.1	. 2	6.9		
8.	CENTRAL HEATING IN ORIGINAL BUILDING	28	96.6	1	3.4		
9.	CENTRAL AIR OR ALL WINDOW UNITS	16	55.2	10	34.5		
10.	COMPLETE FLUORESCENT LIGHTING	25	86.2	2	6.9		
11.	USE OF WATER UTILITY	29	100.0	0	0.0		
12.	MEETS 7 OF 11 OF ABOVE CRITERIA	24	82.8	. 2	6.9		

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CATA DISPLAY 4.19

SMALL SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS

O RESPONDENTS

### HEDIUM SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS

#### 10 RESPONDENTS

NUMBER AND PERCENTAGE OF MEDIUM SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROL	LMENT/CAPACITY			
	RATIO	NUMBER	PERCENTAGE	
ABCVE ABCVE ABCVE	0.0- 0.5 0.5- 0.8 0.8- 1.0	1 2 4 3	10.0 20.0 40.0 30.0	*****   *********   *****************
ABGVE ABGVE ABGVE	1.0- 1.5 1.5- 2.0 2.0-13.0	0	0.0 0.0	
4 4	TOTAL	10	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
SCHO	CLS THAY EXCEED	CAPACITY:	3	30.0\$

NUMBER AND PERCENTAGE OF MEDIUM SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES	NUMBER	PERCENTAGE	
O- LESS THAN 1	0	0.0	
1- LESS THAN 5	1	11.1	*****
5- LESS THAN 10	1	11.1	1****
10- LESS THAN 20	6	66.7	*********
20- LESS THAN 30	Ì	11.1	****
30- LESS THAN 50	0	0.0	
50- LESS THAN 100	0	0.0	
TOTAL	9.	100.0	102 202 308 402 502 602 702 802 902 1002

MEDIAN SCHOOL SITE SIZE IS 15 ACRES

NUMBER AND PERCENTAGE OF MEDIUM SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS MEETING SITE SIZE REQUIREMENTS: 0 0.0%



NUMBER AND PERCENTAGE OF BUILDINGS OF HEDIUM SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	ORIGINAL	ACDL	ADD2	ADD3	TEMP1	TEMP2	TEMP3
60 OR OVER	0 0.0	.0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
40- LESS THAN 60	A AA A	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
20- LESS THAN 40	3 30.0	2 33.3	2 40.0	0 0.0	0 0.0	0 0.0	0 0.0
LESS THAN 20	5 50.0	4 66.7	3 60.0	0 0,0	1 100.0	0 0.0	0 0.0
TOTAL	10 100.0	6 100.0	5 100.0	0 100.0	1 100.0	0 100.0	0 100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	ng	IGINAL		ADD1	•	ADD2		ADD3		TEMP1		TEMP2		TEMP3
AFTER 1840 - 1870	0	0.0	0	0.0	0	0.0	0	0.0	Õ	0.0	Ō	0.0	0	0.0
AFTER 1870 - 1880	٥	0.0	Ō	0.0	Ó	0.0	Ō	0.0	Q	0.0	. 0	0.0	0	0.0
AFTER 1880 - 1890	Ő	0.0	Ŏ	0.0	ō	0.0	Ö	0.0	0	0.0	Õ	0.0	0	0.0
AFTER 1890 - 1900	Ŏ	0.0	ō	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1900 - 1910	٨	0.0	Ŏ	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1910 - 1920	Ň	0.0	Ō	0.0	Ô	0.0	Ö	0.0	0	0.0	Ó	0.0	0	0.0
AFTER 1920 = 1930	Ĭ	10.0	ō	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	•	20.0	ň	0.0	ō	0.0	Ó	0.0	O	0.0	0	0.0	0	0.0
AFTER 1930 - 1940 AFTER 1940 - 1950	1	10.0	1	16.7	ĭ	20.0	Ô	0.0	0	0.0	Ō	0.0	0	0.0
•	3	20.0	,	33.3	ž	40.0	0	0.0	0	0.0	٥	0.0	0	0.0
AFTER 1950 - 1960 AFTER 1960 - 1970	e j	20.0	3	50.0	2	40.0	0	0.0	0	0.0	Ô	0.0	Ó	0.0
AFTER 1970 - 1973	2	20.0	ō	0.0	ō	0.0	0	0.0	1	100.0	0	0.0	0	0.0
TOTAL	10	100.0	6	100.0	-5	100.0	0	100.0	1	100.0	0	100.0	0	100.0

	ORIGINAL	AD01	ADDZ	ADD3	TEMPL	TEMP2	TEMP3
OLDEST STRUCTURE	1926	1942	1948	0	1972	0	0
MEAN YEAR OF CONSTRUCTION	1953	1957	1956	0	1972	0	Q

NUMBER AND PERCENTAGE OF MEDIUM SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDIT	IONS	TEMPO	RARIES
0	_	30.0	9	90.0
1	3	30.Q	1	10.0
Ž	4	40.0	0	0.0
• 3	0	0.0	0	0.0
TOTAL	10 10	0.00	10	100.0

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NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

OR. Ž	IGINAL 20.0	0	ADD1 O.O	0	ADD2 0.0	0	ADD3 0.0	0	TEMP1 0.0	0	TEMP2 0.0	0	TEMP3 0.0
				CNT OF	enue éta:	HATHOE	END INSTI	HETTON	ı.	2	20.0%		

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 5 3 2 0 10	1GINAL 50.0 30.0 20.0 0.0 100.0	3 3 0 0 6	ADD1 50.0 50.0 0.0 0.0 100.0	3 2 0 0 5	ADD2 60.0 40.0 0.0 0.0	0 0 0 0	ADD3 0.0 0.0 0.0 0.0 0.0	1 0 0 0	TEMP1 100.0 0.0 0.0 0.0 0.0	0 0 0 0	TEMP2 0.0 0.0 0.0 0.0 100.0	0 0 0 0	0.0 0.0 0.0 0.0 0.0 100.0
THO STORIES OR HORE	0	0.0	0	0.0 Y	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ORIGINAL	ADD1	ADD2	ADD3	TEMP1	TEMP2	TEMP3
		3 50.0	2 40.0	0 0.0	0 0.0	0 0.0	0.0
BRICK	7 70.0		0 0.0	0 0.0	0 0.0	0 0.0	0.0
WOOD	0 0.0	0 0.0			0 0.0	0 0.0	0 0.0
METAL	1 10.0	0 0.0	0 0.0	•		0 0.0	0 0.0
STONE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0		0 0.0
CCNCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	
OTHER	0 0.0	1 16.7	1 20.0	0 0.0	0 0.0	0 0.0	0 0.0
	0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0	0 0.0
BRICK, WOOD	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 .0•0	, 0 0.0
BRICK, METAL	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, STONE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, CONCRETE		0 0.0 .	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK. OTHER	1 10.0		0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, METAL	0 0.0	0 0.0		0 0.0	0 0.0	0 0.0	Λ Λ.δ
BRICK, WOOD, CONCRETE	0 0.0	0 0.0	0 0.0			0 0.0	0 0.0 0
BRICK, METAL, CONCRETE	1 10.0	1 16.7	1 20.0	0 0.0	0 0.0		0 0.0 0
BRICK, STONE, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 . 0.0	0 0.0	
BRICK, WOOD, METAL, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
ALL GTHER COMBINATIONS	0 0.0	0 0.0	0 0.0	0 0.0	1 100.0	0 0.0	0 0.0
	0 0.0	1 16.7	1 20.0	0 0.0	0 0.0	0 0.0	0.0
NO RESPONSE	10 100.0	6 100.0	5 100.0	0 100.0	1 100.0	0 100.0	0 100.0
TOTAL	TA TANKA	A TAKA		* *****			

# AUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING E	QU I PMENT			=			
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ORIGINAL 9 90.0 1 10.0 0 0.0 0 0.0 10 100.0	ADD1 5 83.3 0 0.0 0 0.0 1 16.7 6 100.0	ADD2 4 80.0 0 0.0 0 0.0 1 20.0 5 100.0	0 0.0 0 0.0 0 0.0	TEMP1 1 100.0 0 0.0 0 0.0 0 0.0 1 100.0	TEMP2 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0	TEMP3 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0
COOLING E	QUIPMENT					·	
	no 10 10 1	AOD1	ADD2	ADD3	TENP1	TEMP2.	TEMP3
	ORIGINAL		0 0.0		1 100.0	0 0.0	0 0.0
JUST CENTRAL	4 40.0	0 0.0 1 16.7	2 40.0		0 0.0	0 0.0	0 0.0
JUST WINDOW UNIT	3 30.0	0 0.0	0 0.0		0 ′ 0.0	0 0.0	0 0.0
CENTRAL & WINDOW	0 0.0 3 30.0	5 83.3	3 60.0		0 0.0	0 0.0	0 0.0
NO MECHANICAL Total	10 100.0	6 100.0	5 100.0		1 100.0	0 100.0	0 100.0
	OW UNIT COOLING						
11110	Au Airl: Asamina				TEMPL	TEMP2	TEMP3
	ORIGINAL	ACDI	A002			0 0.0	0 0.0
ALL ROOMS	1 33.3	1 100.0	1 50.0			0 0.0	0 0.0
SELECTED ROOMS	1 33.3	0 0.0	1 50.0			0 0.0	, 0 0•0
NO RESPONSE	1 33.3	0 0.0	0 0.0	•	0 100.0	0 100.0	0 100.0
TOTAL	3 100.0	1 100.0	2 100.0	, 0 100.0	0 10010		-
:				in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se			,
LIGHTING	ECHTOMENT						Pites
Clouring	E # G & F 11 E 12 f				TEURL	TEMP2	TEMP3
ē.	OR IGINAL	AÇOL	ADD			0 0.0	0 0.0
INCANDESCENT	3 30.0	3 50.0	1 20.0			0 0.0	0 0.0
FLUCRESCENT	7 70.0	2 33.3	3 60.0			0 0.0	0 0.0
BOTH	0 0.0	0 0.0	0 0.0			0 0.0	
CTHER	0 0.0	0 0.0	0 0.0			0 0.0	. ი ი.ი თ
NO RESPONSE	0 0.0	1 16.7	1 20.0 5 100.0	•		0 100.0	0 100.0
TOTAL	10 100.0	6 100.0	5 100.0	A TANIA	T TAKE		



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## NUMBER AND PERCENTAGE OF MEDIUM SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE	
WATER UTILITY	10	100.0	***********
PUMP ON PROPERTY	0	0.0	1
OTHER (WELLS, ETC.)	0	0.0	1
NO RESPONSE	0	0.0	
TOTAL	10	100.0	各品类学等等并是是完全等等的是是要等于是是中国的主义的,但是是是是是是是是是是是是是是是是
			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

NUMBER AND PERCENTAGE OF PRINCIPALS OF MEDIUM SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCE	1	10.0	****
CCNSTRUCTION	7	70.0	******
BOTH	0	0.0	
NEITHER (INCLUDING NO RESPONSE)	2	20.0	######### .
TOTAL	10	100.0	춖앀믔됮쐒쒖뭑뭑췙쪞됮뫢즼뺚뫢됮뇶됮퍞됮윭됮늗찞줐찞됮춖찞믮뫢뫢뼥퍞퍉뺚뇈됮삨릁≐춖꾶늗늗믔늗늗쉳
			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

PLANT PROFILES: MEDIUM SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS

-1	CRITERION	AI Number	DEQUATE Percentage	SUBSTANDARD AGE NUMBER PERCENTAGE				
l.	ENROLLMENT/CAPACITY RATIO <= 1	7	70.0	3	30.0			
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	10	100.0	0	0.0			
3.	MEETS NATIONAL SITE SIZE STANJARDS	0	0.0	9	100.0			
4.	ORIGINAL BUILDING 30 YRS OLD OR LESS	7	70.0	3	30.0			
5.	NC TEMPORARY STRUCTURES	9	90.0	1	10.0			
6.	NO BASEMENT USED FOR INSTRUCTION	8	80.0	2	20.0			
7.	NO BUILDING OF WOOD EXCLUSIVELY	10	100.0	0	0.0			
₿.	CENTRAL HEATING IN ORIGINAL BUILDING	9	90.0	1	10.0			
9.	CENTRAL AIR OR ALL WINDOW UNITS	4	40.0	3	30.0			
10.	CCMPLETE FLUORESCENT LIGHTING	5	50.0	2	20.0			
11.	USE OF WATER UTILITY	10	100.0	0	0.0			
12.	MEETS 7 OF 11 OF ABOVE CRITERIA	8	80.0	0	0.0			

### DATA DISPLAY 4.21

### LARGE SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS

#### 41 RESPONDENTS

NUMBER AND PERCENTAGE OF LARGE SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENROLL	MENT/CAPACITY RATIO	NUMBER	PERCENTAGE	
ADOVE	0.0- 0.5	0	0.0	
ABOVE	0.5- 0.8	7	17.9	*********
ABCVE	0.8- 1.0	25	64.1	**********
ABCVE	1.0- 1.5	7	17.9	*****
ABCYE	1.5- 2.0	0	0.0	1
ABCVE:	2.0-13.0	0	0.0	·
	TOTAL	39	100.0	107 207 307 407 507 607 707 807 907 1007
รถผกเ	NIS THAT EXCEED	CAPACITY:	7	17.9%

NUMBER AND PERCENTAGE OF LARGE SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES 0- LESS THAN 1 1- LESS THAN 5 5- LESS THAN 10 10- LESS THAN 20 20- LESS THAN 30 30- LESS THAN 50 50- LESS THAN 100	NUMBER 0 0 6 12 9 10	PERCENTAGE  0.0   0.0   15.0   ******** 30.0   ************** 22.5   *********** 25.0   ************ 7.5   ***
TOTAL .	40	100.0

MEDIAN SCHOOL SITE SIZE IS 20 ACRES

NUMBER AND PERCENTAGE OF LARGE SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS HEETING SITE SIZE REQUIREMENTS: 5 12.5%





NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)	OR IGINAL	ACO1	ADD2	ADD3	TEMP1	TEMP2	TEMP3
		0 0.0	0 0.0	0 0.0	0 0.0	·0 0.0	0.0
60 OR OVER	1 2.4	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0
40- LESS THAN 60	7 17.1			1 11.1	1 12.5	1 20.0	0 0.0
20- LESS THAN 40	11 26.8	6 22.2	1 6.3	8 88.9	7 87.5	4 80.0	2 100.0
LESS THAN 20	22 53.7	21 77.8	15 93.8	9 100.0	8 · 100.0	5 100.0	2 100.0
TOTAL	41 100.0	27 100.0	16 100.0	7 100.0	O . TARIA	3 20010	• ••••

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	66	ie in ai		ACDL		ADÓ2		ADD3		TEMPL		TEMP2		TEMP3
	ŲR	IGINAL	_		٥		0	0.0	٥	0.0	0	0.0	Ō	0.0
AFTER 1840 - 1870	0	0.0	Q	0.0	Ų	0.0	_		٧				ň	0.0
AFTER 1870 - 1980	Ō.	0.0	Ō	0.0	0	0.0	0	0.0	Û	0.0	0	0.0	Ų	
	À.		Ō	0.0	٥	0.0	٥	0.0	0	0.0	Q	0.0	0	0.0
AFTER 1880 - 1890	U	0.0			٥	1 1	Ō	0.0	۸	0.0	٥	0.0	0	0.0
AFTER 1890 - 1900	0	0.0	0	0.0	Q	0.0	_	17.				_	Ö	0.0
AFTER 1900 - 1910	1	2.4	0	0.0	Q	0.0	0	0.0	U	0.0	0	0.0	V	
	Ā	0.0	Ō	0.0	Ō	0.0	O	0.0	0	0.0	0	0.0	Q	0.0
AFTER 1910 - 1920	Ų			_	_ :	0.0	Ó	0.0	Ô	0.0	0	0.0	0	0.0
AFTER 1920 - 1930	7	17.1	0	0.0	0		9				Α.	0.0	Ā	0.0
AFTER 1930 - 1940	3	7.3	0	0.0	0	0.0	Ü	0.0	U	0.0	Ų		Ÿ	
	Ē	12.2	ā	11.1	1	6.3	1	11.1	0	0.0	0	0.0	Ų	0.0
AFTER 1940 - 1950			9	_	- 7.	25.0	1	11.1	3	37.5	1	20.0	1	50.0
AFTER 1950 - 1960	10	24.4	9	33.3	4				,		1	60.0	1	50.0
AFTER 1960 - 1970	10	24.4	12	44.4	9	56.3	6	66.7	4	25.0				
	Ę	12.2	3	11.1	2	12.5	1	11.1	3	37.5	Ţ	20.0	Ų	0.0
AFTER 1970 - 1973	- ,		37	100.0	16	100.0	9	100.0	8	100.0	5	100.0	2	100.0
TOTAL	41	100.0	27	TOOPO	ŦΨ	₹ 5 Å å Å	•	****	-		_			

	ORIGINAL	ADDI	ADD2	ADD3	TEMP1	TEMP2 1953	TEMP3 1955
OLDEST STRUCTURE	1909	1941	1948	1950	1952		1962
MEAN YEAR OF CONSTRUCTION	1951	1960	1962	1963	1964	1963	1467

NUMBER AND PERCENTAGE OF LARGE SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDITIONS	TEMPOFARIES
0	14 34.1	33 80.5
i	11 26.8	3 7.3
Ž	7 17.1	3 7.3
3	9 22.0	2 4.9
TOTAL	41 100.0	41 100.0

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NUMBER AND PERCENTAGE OF BUILDINGS OF L'ARGE SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

GINAL 22.0	Ž	001 7.4	1	AC02 6.3	AD 1 11	_	TEMP1 0.0	0	TEMP2 0.0	0	TEMP3 0.0
SCHOOLS	USINO	BASEMENT	ŌF	SOME S	STRUCTURÉ FOR	INSTRUCTIO	ME	12	29.3%		

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 5 26 9 1 41	1GINAL 12-2 63-4 22-0 2-4 100-0	13 9 5 0 27	ACD1 43.1 33.3 18.5 0.0 100.0	6 8 2 0 16	A002 37.5 50.0 12.5 0.0 100.0	4 4 1 0 9	ADD3 44.4 44.4 11.1 0.0 100.0	6 2 0 0 8	TEMP1 75.0 25.0 0.0 0.0	1 4 0 0 5	TEMP2 20.0 80.0 0.0 0.0 100.0	1 1 0 0 2	TEMP3 50.0 50.0 0.0 0.0 100.0
TWO STORIES OR MORE	1	2.4	Ò	0.0 Y 0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	. 0.0 0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ORIGINA		ADD1		ADD2		ADD3		TEMP1		TEMP2		TEMP3	
- x 1 6 U	27 65.			12	75.0	7	77.8	2	-	2	40.0,	1	50.0	
BRICK	0 0.1			0	0.0	0	0.0	2	25.0	1	20.0	Q	0.0	
WCCC	0 0.			i	6.3	0	0.0	1	12.5	0	0.0	0	0.0	
METAL	0 0.	•		Ō	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	
STONE		_		Õ	0.0	ī	11.1	Q	0.0	Ô	0.0	0	0.0	
CCNCRETE	1 2.			0	0.0	Ō	0.0	Ō	0.0	Ō	9.0	0	0.0	
OTHER	0 0.			0	0.0	Ō	0.0	Ô	0.0	Ô	0.0	Q	0.0	
BRICK, WOOD	0 0.			Ô	0.0	Ŏ	0.0	Õ	0.0	0	0.0	0	0.0	
BRICK, MÉTAL	1 2.		3.7			0	0.0	Ō	0.0	0	0.0	Õ	0.0	,
BRICK, STENE	0 0.			0	0.0	Ų	11.1	1	12.5	ĭ	20.0	i	50.0	
BRICK, CONCRETE	7 17.	_	-	3	18.8	1		Ô	0.0	Ô	0.0	Ō	0.0	
BRICK, OTHER	, 0 0.			Q	0.0	0	0.0	_	0.0	Ō	0.0	Q	0.0	
BRICK, WOOD, METAL	0 0.	_		0	0.0	0	0.0	0		Ó	0.0	Ō	0.0	
BRICK, WOOD, CONCRETE	0 0.	0 0		0	0.0	0	0.0	0	0.0			0	0.0	N C
BRICK, METAL, CONCRETE	4 9.	8 1	3.7	0	0.0	. 0	0.0	0	0.0	0	0.0	_		Ÿ
BRICK, STONE, CONCRETE	0 0.	0 0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
BRICK, WOOD, METAL, CONCRETE	Q Ō.	0 0	0.0	0	0.0	Ō	0.0	Q	0.0	0	0.0	0	0.0	
ALL CTHER COMBINATIONS	0 0.		0.0	. 0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
	1 2.		3.7	0	0.0	0	0.0	Ž	<b>,5.0</b>	ļ	20.0	0	0.0	
NO RESPONSE	41 100.		100.0	16	100.0	9	100.0	8	500.0	5	100.0	2	100.0	
_ TOTAL	47 766		<del></del>	-										

# NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE SECOND4.7 SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQ	UIPHENT												
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ORIGINAL 33 80.5 3 7.3 4 9.8 2.4 41 100.0	3 11	.1 15 .4 0 .1 1 .4 0	ADD2 93.8 0.0 6.3 0.0 100.0	7 0 1 1 9	ADD3 77.8 0.0 11.1 11.1	3 4 0 1 8	37.5 50.0 0.0 12.5 100.0	3 1 0 1 5	TEMP2 60.0 20.0 0.0 20.0 100.0	2 0 0 0 2	TEMP3 100.0 0.0 0.0 0.0 100.0	
COOLING EG	UIPHENT												
JUST CENTRAL JUST WINDOW UNIT CENTRAL & WINDOW NO MECHANICAL TOTAL	ORIGINAL 12 29.3 5 12.2 2 4.9 22 53.7 41 100.0	8 29 2 1 1 3	01 6 3 6 4 0 7 0 6 3 13 10	A002 18.8 0.0 0.0 81.3 100.0	5 1 0 3 9	ADD3 55.6 11.1 0.0 33.3 100.0	3 0 0 5 8	TEMP1 37.5 0.0 0.0 62.5 100.0	2 0 0 3 5	TEMP2 40.0 0.0 0.C 60.0 100.0	1 1 0 0 2	TEMP3 50.0 50.0 0.0 0.0	
MINO	W UNIT CODLI	NG.	ř										
ALL ROOMS SELECTED ROOMS NO RESPONSE TOTAL	ORIGINAL 1 14.3 4 57.1 2 28.6 7 100.0	1 33 1 33	01 3.3 0 3.3 0 3.3 0	ADD2 0.0 0.0 0.0 100.0	0 0 1 1	ADD3 0.0 0.0 100.0 100.0	0 0 0	TEMP1 0.0 0.0 0.0 100.0	0 0 0 0	TEMP2 0.0 0.0 0.0 100.0	0 1 0 1	TEMP3 0.0 100.0 0.0 100.0	
LIGHTING E	ECUIPMENT												
INCANDESCENT FLUGRESCENT BOTH OTHER NO RESPONSE TOTAL	ORIGINAL 5 12.2 35 85.4 1 2.4 0 0.0 0 0.0 41 100.0	5 18 22 8) 0 0	001 1.5 2 1.5 14 1.0 0 1.0 0 1.0 16	ADD2 12.5 87.5 0.0 0.0 0.0	1 8 0 0 0	ADD3 11.1 83.9 0.0 0.0 0.0	0 7 0 0 1 8	TEMP1 0.0 87.5 0.0 0.0 12.5 100.0	0 4 0 0 1 5	TEMP2 0.0 80.0 0.0 0.0 20.0 100.0	0 2 0 0 0	TEMP3 0.0 100.0 0.0 0.0 0.0 100.0	266



NUMBER AND PERCENTAGE OF LARGE SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE	
HATER UTILITY	41	100.0	*****************
PUMP ON PROPERTY	0	0.0	
OTHER (WELLS, ETC.)	0	0.0	
NO RESPONSE	0	0.0	1
TOTAL	41	100.0	
		•	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

NUMBER AND PERCENTAGE OF PRINCIPALS OF LARGE SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCE	21	51.2	******************
CCNSTRUCTION	10	24.4	**********
BOTH	2	4.9	##
NEITHER ([NCLUDING NO RESPONSE)	8	19.5	*******
TOTAL	41	100.0	
			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

PLANT PROFILES: LARGE SECONDARY SCHOOLS IN CITY/SPECIAL SYSTEMS

CR ITER ION	A	DEQUATE	\$UB	STANDARD
	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE
1. ENROLLMENT/CAPACITY RATIO <= 1	32	82.1	7	17.9
2. MEETS NATIONAL SCHOOL SIZE STANDARDS	12	29.3	. 29	70.7
3. MEETS NATIONAL SITE SIZE STANDARDS	5	12.5	35	87.5
4. ORIGINAL BUILDING 30 YRS OLD OR LESS	29	70.7	12	29.3
5. NC TEMPORARY STRUCTURES	33	80.5	8	19.5
6. NO BASEMENT USED FOR INSTRUCTION	29	70.7	12	29.3
7. NC BUILDING OF WOOD EXCLUSIVELY	39	95.1	2	4.9
8. CENTRAL HEATING IN ORIGINAL BUILDING	37	90.2	4	9.8
9. CENTRAL AIR OR ALL WINDOW UNITS	15	36.6	10	24.4
10. COMPLETE FLUORESCENT LIGHTING .	35	. 85.4	4	9.8
11. USE OF WATER UTILITY	41	100.0	0	0.0
ERICETS 7 OF 11 OF ABOVE CRITERIA	32	78.0	0	0.0

#### DATA DISPLAY 4.22

### SHALL COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS

### 2 RESPONDENTS

NUMBER AND PERCENTAGE OF SMALL COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

EKROL	LMENT/CAPACITY RATIO	NUMBER	PERCENTAGE	
ABOVE ABOVE ABOVE ABOVE ABOVE	/E 0.0- 0.5 /E 0.5- 0.8 /E 0.8- 1.0 /E 1.0- 1.5 /E 1.5- 2.0	0 0 2 0 0	0.0 0.0 100.0 0.0	****************
ABOVE	2.0-13.0 Total	0 2	0.0 100.0	10% 20% 30% 40% 50% 60% 70% 60% 90% 100%
SCHO	CLS THAT EXCEED	CAPACITY:	0	0.01

NUMBER AND PERCENTAGE OF SMALL COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES  O- LESS THAN  1- LESS THAN  5- LESS THAN  10- LESS THAN  20- LESS THAN  30- LESS THAN	1 5 10 20 30 50	NUMBER 0 1 0 0 0	PERCENTAGE 0.0 50.0 50.0 0.0 0.0 0.0 0.0	**************************************
50- LESS THAN TOTAL	100	2	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

MEDIAN SCHOOL SITE SIZE IS 7 ACRES

NUMBER AND PERCENTAGE OF SMALL COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS MEETING SITE SIZE REQUIREMENTS: 0 0.0%

NUMBER AND PERCENTAGE OF BUILDINGS OF SHALL COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS CCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS)  50 GR OVER  40- LESS THAN 60  20- LESS THAN 40  LESS THAN 20  TOTAL	ORIGINAL	ACD1	ADD2	ADD3	TEMP1	TEMP2	TEMP3
	1 50.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
	1 50.0	0 0.0	0 0.0	9 0.0	0 0.0	0 0.0	0 0.0
	0 0.0	0 0.0	0 0.0	0 0.0	1 100.0	1 100.0	1 100.0
	2 100.0	0 0.0	0 100.0	0 100.0	1 100.0	1 100.0	1 100.0

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	ėė	tetici		ADDI		ADD2		EDDA		TEMPL		TEMPZ		TEMP3
_	_	IGINAL			۸	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1840 - 1870	0	0.0	Ç	0.0	0				A	0.0	ō	0.0	ń	0.0
AFTER 1870 - 1880	Ü	0.0	0	0.0	Q	0.0	Ō	0.0	U				۸	
AFTER 1880 - 1890	0	0.0	Ō	0.0	0	0.0	0	0.0	Q	0.0	- 0	0.0	Ų	0.0
	_	0.0	Ö	0.0	0	0.0	0	0.0	Ō	0.0	0	0.0	Q	0.0
AFTER 1890 - 1900	O.				۸	0.0	Ô	0.0	٥	0.0	0	0.0	0	0.0
AFTER 1900 - 1910	0	0.0	0	0.0	Ų				ň	0.0	0	0.0	Ō	0.0
AFTER 1910 - 1920	1	50.0	ð	0.0	V	0.0	0	0.0	V				ō	0.0
AFTER 1920 - 1930	0	0.0	Q	0.0	0	0.0	Q	0.0	Ų	0.0	0	0.0	V	
	Ò	0.0	Ó	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1930 - 1940	·				Ō	0.0	0	0.0	Õ	0.0	0	0.0	0	0.0
AFTER 1940 - 1950	l	50.0	3	0.0	y å	-	_		ñ	0.0	Ö	0.0	0	0.0
AFTER 1950 - 1960	0	0.0	0	0.0	Ų	0.0	0	0.0	Ā				۸	0.0
AFTER 1960 - 1970	0	0.0	0	0.0	0	0.0	Q	0.0	Q	0.0	0	0.0	U	
· •	۵	0.0	0	0.0	٥	0.0	٥	0.0	Ì	100.0	1	100.0	1	100.0
AFTER 1970 - 1973	V				0	100.0	Ò	100.0	1	100.0	1	100.0	1	100.0
TOŢAL	2	100.0	0	100.0	U	7904 n	Ų	FAARA	•	*****	-	·-·	•	•

	ORIGINAL	ADDI	SODA	ADD3	TEMPI	TEMPZ	TEMP3
OLDEST STRUCTURE	1912	0	Ì	0	1971	1971 .	1971
MEAN YEAR OF CONSTRUCTION	1927	0	0	0	1971	1971	1971

NUMBER AND PERCENTAGE OF SMALL COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDIT	IONS	TEMPO	RARIES
Ó	2 1	00.0	1	50.0
ì	0	0.0	0	0.0
Ž	0	0.0	0	0.0
3	0	0.0	1	50.0
TOTAL	2 1	00.0	2	100.0

Ņ Ģ

note	INAL		ADD1	•	ADD2	2 '	ADD3	:= <del></del>	TEMPI		TEMP2		TEMP3
0		0	0.0	0	0.0	0	0.0	0	0.0	Q	0.0	0	0.0

SCHOOLS USING BASEMENT OF SOME STRUCTURE FOR INSTRUCTION:

0.05

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES 1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 1 0 1 0 2	50.0 0.0 50.0 0.0 100.0	0 0 0 0	0.0 0.0 0.0 0.0 0.0	0 0 0	ADD2 0.0 0.0 0.0 0.0 100.0	0 0 0	ADD3 0.0 0.0 0.0 0.0 100.0	1 0 0 0	TEMP1 100.0 0.0 0.0 0.0 100.0	1 0 0 0 1	TEMP2 100.0 0.0 0.0 0.0 100.0	1 0 0 0	TEMP3 100.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	1	BEFORE 19 50.0 E THAN ON 0.0	0	0.0 Y 0.0	0	0.0	0 0	0.0	0	0.0	0	0.0	° .	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF SMALL COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ORIGINAL	ADDI	200A	ADD3	TEMP1	TEMPZ	TEMP3
BRICK	1 50.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
WCOD	0 0.0	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0
METAL	0 0.0	0 0.0	0 0.0	0 0.0	1 100.0	1 100.0	1 100.0
STONE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
CCNCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
OTHER BRICK, WOOD	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK* METAL	0 0.0	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0
	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, STONE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, OTHER	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, METAL		0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOCD, CONCRETE	0 0.0		0 0.0	0 0.0	0 0.0	0 . 0.0	0 0.0
BRICK, METAL, CONCRETE	0 0.0	0 0.0			0 0.0	0 0.0	0 0.0
BRICK, STONE, CONCRETÉ	0 0.0	0 0.0	0 0.0	0 0.0			0 0.0
BRICK, WOOD, METAL, CONCRETE	0 • 0•0	0 0.0	0 0.0	0 0.0	0 0.0		
ALL OTHER COMBINATIONS	1, 50.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
NO RESPONSE	0.0.0	0 0.0	0 0.0	0 0.0	0.0	0 0.0	0 0.0
TATAL	2 100.0	0 100.0	0 100.0	0 100.0	1 100.0	1 100.0	1 100.0

# NUMBER AND PERCENTAGE OF BUILDINGS OF SHALL'COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

HEATING EQ	UIPMEN	7												
	no	IGINAL		A001		ADD2		ADD3		TEMP1		TEMPZ		TEMP3
JUST CENTRAL	1	50.0	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
JUST SPACE	i	50.0	Õ	0.0	ō	0.0	0	0.0	Ō	0.0	Ó	0.0	0	0.0
CENTRAL & SPACE	0	0.0	Ŏ	0.0	0	0.0	٥	0.0	1	100.0	1	100.0	1	100.0
NO RESPONSE	0	0.0	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	O• 0
NO RESPONSE TOTAL	2	100.0	Ŏ	100.0	Ö	100.0	0	100.0	1	100.0	1	100.0	1	100.0
10176	-		·											
COOLING EQ	UIPMEN	T												
	00	IGINAL		AOD1		ADD2		ADD3		TEMPL		TEMP2		TEMP3
utet febtoåt	0	0.0	0	0.0	0	0.0	Ó	0.0	1	100.0	1	100.0	1	100.0
JUST CENTRAL JUST WINDOW UNIT	ľ	50.0	Ō	0.0	Ō	0.0	Ö	0.0	0	0.0	0	0.0	0	0.0
CENTRAL & WINDOW	ā	0.0	Ŏ	0.0	ō	0.0	Ō	0.0	0	0.0	0	0.0	Ó	0.0
NO MECHANICAL	1	50.0	ō	0.0	ō	0.0	Ó	0.0	0	0.0	0	0.0	Q	0.0
TOTAL	2	100.0	ō	100.0	Ō	100.0	0	100.0	1	100.0	1	100.0	1	100.0
	_	COOLING		•										
•	ñá	IGINAL		ACDI		ADD2		ADD3		TEMP1		TEMP2		TEMP3
ALL BACKE	UN i	100.0	0	0.0	0	0.0	0	0.0	٥	0.0	0	0.0	0	0.0
ALL ROCMS SELECTED ROOMS	Ç	0.0	Ŏ	0.0	Ŏ	0.0	Õ	0.0	Ó	0.0	0	0.0	0	0.0
NC RESPONSE	0	0.0	Ŏ	0.0	Ö	0.0	Ô	0.0	0	0.0	Q	0.0	0	0.0
TOTAL	ī	100.0	Ō	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
LIGHTING E	QUIPME	NT												
	86	FATUAL		ACDL		ADD2		ADD3		TEMP1		TEMP2		TEMP3
******	OR	IGINAL	۸	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
INCANDESCENT	Ļ	50.0	0	0.0	0	0.0	0	0.0	ì	100.0	Ĭ	100.0	ī	100.0
FLUGRESCENT	1	50.0	0	0.0	Ŏ	0.0	Ō	0.0	Ô	0.0	ō	0.0	Ō	0.0
BOTH .	0	0.0 0.0	0	0.0	Q.	0.0	Õ	0.0	Ŏ	0.0	Ō	0.0	Ô	0.0
OTHER			0	0.0	0	0.0	0	0.0	Ŏ	0.0	ő	0.0	Ŏ	0.0 N
NO RESPONSE	0	0.0	0	100.0	Ó	100.0	Õ	100.0	ī	100.0	i	100.0	ì	100.0 2
TOTAL	2	100.0	, Ų	TAABA	٧	FAASA	*	****	=	2		2-0	=	1



### NUMBER AND PERCENTAGE OF SMALL COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE	
WATER UTILITY	2	100.0	[*************************************
PUMP ON PROPERTY	0	0.0	•
OTHER (WELLS, ETC.)	0	0.0	1
NC RESPONSE	0	0.0	
TOTAL	2	100.0	
			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

NUMBER AND PERCENTAGE OF PRINCIPALS OF SMALL COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

•	NUMBER	PERCENTAGE	
MAINTENANCE	1	50.0	**********
CCNSTRUCTION	1	50 <b>.</b> 0	********
8CTH : *	0	0.0	
NEITHER (INCLUDING NC RESPONSE)	0	0.0	
TOTAL	2	100.0	
			101 201 301 401 501 601 701 801 901 1001

PLANT PROFILES: SMALL COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS

	CRITERION	A	DEQUATE	SUBSTANDARD			
		NUMBÉR	PERCENTAGE	NUMBER	PERCENTAGE		
1.	ENROLLMENT/CAPACITY RATIO <= 1	2	100.0	0	0.0		
2.	MEETS NATIONAL SCHOOL SIZE STANDARDS	1	50.0		50.0		
3.	MEETS NATIONAL SITE SIZE STANDARDS	0	0.0	2	100.0		
4.	ORIGINAL BUILDING 30 YRS OLD OR LESS	0	0.0	2	100.0		
5.	NO TEMPORARY STRUCTURES	1	50.0	1	50.0		
6.	NO BASEMENT USED FOR INSTRUCTION	2	100.0	0	0.0		
7.	NO BUILDING OF WOOD EXCLUSIVELY	2	100.0	0	0.0		
8.	CENTRAL HEATING IN ORIGINAL BUILDING	1	50.0	1	50.0		
9,	CENTRAL AIR OR ALL WINDOW UNITS	1	50.0	1	50.0		
10.	COMPLETE FLUORESCENT LIGHTING	1	50.0	1	50.0		
11.	USE OF WATER UTILITY	2	100.0	. 0	. 0.0		
12.	MEETS 7 OF 11 OF ABOVE CRITERIA	1	50.0	0	0.0		

CATA DISPLAY 4.23

### MEDIUM COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS

7 RESPONDENTS ...

NUMBER AND PERCENTAGE OF MEDIUM COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENRULLMENI/CAPACITY												
RATIO	NUMBER	PERCENTAGE			•							
ABCVE 0.0- 0.5	0	0.0	1			_						
ABOVĘ 0.5- 0.8	0	0.0	1			•						
ABGVÉ 0.8- 1.0	4	57.1	*****	****	****	****	***	**				
ABOVE 1.0-1.5	3	42.9	*****	****	****	****	2					
ABOVE 1.5- 2.0	0	0.0	1									
ABOVE 2.0-13.0	0	0.0	1									
TOTAL	7	100.0	*****					7				
			101	20%	30%	40%	50%	60%	70%	80%	90%	1001
· <del>**</del>												

SCHOOLS THAT EXCEED CAPACITY:

42.93

NUMBER AND PERCENTAGE OF MEDIUM COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

	ACRES		NUMBER	PERCENTAGE	
0-	LESS THAN	1	0	0.0	
1-	LESS THAN	5	1	16.7	*****
5-	LESS THAN	10	0	0.0	
10-	LESS THAN	20	4	66.7	******
20-	LESS THAN	30	0	0.0	1
30-	LESS THAN	50	1	16.7	*****
50-	LESS THAN	100	-··· 0	0.0	
	TOTAL		6	100.0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

MEDIAN SCHOOL SITE SIZE IS 15 ACRES

NUMBER AND PERCENTAGE OF MEDIUM COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS MEETING SITE SIZE REQUIREMENTS: 0 0.0%



NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS OCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN YEARS) 60 OR OVER 40- LESS THAN 60 20- LESS THAN 40 LESS THAN 20 TOTAL	ORIGINAL O 0.0 5 71.4 2 28.6 O 0.0 7 100.0	ADD1 0 0.0 0 0.0 2 40.0 3 60.0 5 100.0	ADD2 0 0.0 0 0.0 1 25.0 3 75.0 4 100.0	ADD3 0 0.0 0 0.0 1 50.0 1 50.0 2 100.0	TEMP1 0 0.0 0 0.0 0 0.0 1 100.0 1 100.0	TEMP2 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0	TEMP3 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0
--------------------------------------------------------------------------------	--------------------------------------------	-------------------------------------------------------	-------------------------------------------------------	-------------------------------------------------------	--------------------------------------------------------	------------------------------------------------------	---------------------------------------

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	********	4861	ADD2	ADD3	TEMP1	TEMP2	TEMP3
	ORIGINAL	ADD1		0 0.0	0 0.0	0 0.0	0 0.0
AFTER 1840 - 1870	0 0.0	0 0.0	0 . 0.0	-		0 0.0	0 0.0
AFTER 1870 - 1880	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0		
AFTER 1880 - 1890	0 0.0	0 0.0	0 0.0 *	Q 0.0	0 0.0	0 , 0.0	0 0.0
		0 0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0
AFTER 1890 - 1900	0 0.0		0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
AFTER 1900 - 1910	0 0.0	0 0.0			0 0.0	0 0.0	0 0.0
AFTER 1910 - 1920	2 28.6	0 0.0	0 0.0			0 0.0	. 0 0.0
AFTER 1920 - 1930	3 42.9	0 0.0	0 0.0	0 0.0	0 0.0		
*** *	2 28.6	1 20.0	0.0	0 0.0	0 0.0	0 0.0	0 0.0
AFTER 1930 - 1940		1 20,0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
AFTER 1940 - 1950	0 0.0	_	2 50.0	1 50.0	0 0.0	0 0.0	0 0.0
AFTER 1950 - 1960	0 0.0	3 60.0		7,772	0 0.0	0 0.0	0 0.0
AFTER 1960 - 1970	0 0.0	0 0.0	2 50.0	1 50.0	T		0 0.0
AFTER 1970 - 1973	0 0.0	0 0.0	0 0.0	0 0.0	1 100.0	0 0.0	
TOTAL	7 100.0	5 100.0	4 100.0	2 100.0	1 100.0	0 100.0	0 100.0

	ORIGINAL	ADD1	ADD2	ADD 3	TEMP1	TEMP2	TEMP3
OLDEST STRUCTURE	1914	1938	1951	1953	1971	0	0
MEAN YEAR OF CONSTRUCTION	1927	1951	1960	1961	1971	0	0

NUMBER AND PERCENTAGE OF MEDIUM COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	ADDITIONAL	NS	TEMPO	RARIES
Ó	2 28		6	85.7
ī	1 14	ā	ļ	14.3
ż	2 28	.6	0	0.0
1	2 28	.6	ā	0.0
TOTAL	7 100	-	7	100.0

# NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

IGINAL 14.3	0	100A 0.0	Ó	ADD2 0.0	0	600A 0.0	_	MP1 0.0	0	TEHP2 0.0	0	TEMP3 0.0
. SCHOOLS	s usi	NG BASEMENT	OF	SCHE STR	UCTURÊ	FOR INST	RUCTION:		1	14.3\$		

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES  1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	ORIGINAL	ADD1	AD02	A003	TEMP1	TENP2	TEMP3
	4 57.1	3 60.0	4 100.0	2 100.0	1 100.0	0 0.0	0 0.0
	3 42.9	2 40.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
	7 100.0	5 100.0	4 100.0	2 100.0	1 100.0	0 100.0	0 100.0
TWO STORIES OR HORE	1 14.3 OF MORE THAN ONE	0.0	0 0.0 0 0.0	0 0.0 0 0.0	0 0.0 0 0.0	0 0.0	0 0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF MEDIUM COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

r ·	ORIGINAL	ADO1	ADD2	AD03	TEMP1	TEMP2	TEMP3
BRICK	6 85.7	4 80.0	3 75.0	1 50.0	0 0.0	0.0	0 0.0
WGOO	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 • 0•0	0 0.0 .
METAL	0 0.0	0 0.0	0 0.0	. 0 0.0	1 100.0	0 0.0	0 0.0
STONE	0 0.0	0.0	0 0.0	0.0	0 0.0	0.0.0	0 0.0
CCNCRETE	0 0.0	1 20.0	1 25.0	1 50.0	0 0.0	0 0.0	0 0.0
OTHER	0 0.0	0.0	0.0	0 0.0 .	0 0.0	0 - 0.0	0 0.0
BRICK, WOOD	0 0.0	0 0.0	0.0	0.0.0	0 0.0	0 0.0	0 0.0
BRICK, METAL	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	, 0 0.0
BRYCK, STONE	0 0.0	0 0.0	0 0.0	0.0	0 0.0 .	0 0.0	0 0.0
BRICK, CONCRETE	1 14.3	0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, OTHER	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, METAL	. O O.O	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, METAL, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0 N
BRICK. STONE, CONCRETE	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD, METAL, CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0 6
ALL OTHER COMBINATIONS .	0 0.0	0 0.0	0.0	0 0.0	0.0	0 0.0	0 0.0
NO RESPONSE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
TOTAL	7 100.0	5 100.0	4 100.0	2 100.0	1 100.0	0 100.0	0 100.0

HEATING EQU	IPHENT				4		
JUST CENTRAL JUST SPACE CENTRAL & SPACE NO RESPONSE TOTAL	ORIGINAL 6 85.7 1 14.3 0 0.0 0 0.0 7 100.0	ADD1 2 40.0 2 40.0 0 0.0 1 20.0 5 100.0	ADD2 2 50.0 1 25.0 0 0.0 1 25.0 4 100.0	ADD3 0 0.0 1 50.0 0 0.0 1 50.0 2 100.0	TEMP1 0 0.0 1 100.0 0 0.0 0 0.0 1 100.0	TEMP2 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0	TEMP3 0 0.0 0 0.0 0 0.0 0 0.0 0 100.0
COOLING EQU	IPMENT						
	ORIGINAL	ACD1	ŠODA	ADD3	TEMPL	TEMP2	TEMP3
JUST CENTRAL	0 0.0	1 20.0	1 25.0	0 0.0	0 0.0	0 0.0	0 0.0
JUST WINDOW UNIT	4 57.1	1 20.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0
CENTRAL & WINDOW	0 0.0	0 0.0 3 60.0	0 0.0 3 75.0	0 0.0 2 100.0	1 100.0	0 0.0	0 0.0
NO MECHANICAL Total	3 42.9 7 100.0	5 100.0	4 100.0	2 100.0	1 100.0	0 100.0	0 100.0
HINDON	UNIT COOLING	·					
	ORIGINAL	A001	AD02	ADD3	TEMPL	TEMP2	TENP3
ALL ROOMS	1 25.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
SELECTED ROOMS	2 50.0	1 100.0	0 0.0	0 0.0 0 0.0	0 0.0	0 0.0	0 0.0
NO RESPONSE TOTAL	1 25.0 4 100.0	0 0.0 1 100.0	0 0.0 0 100.0	0 100.0	0 100.0	0 100.0	0 100.0
				,		i	•
LIGHTING EC	UIPMENT				•		
	ORIGINAL	AD01	ADDZ	ADD3	TEMP1	TEMP2	TEMP3
INCANDESCENT	4 57.1	4 80.0	3 75.0	2 100.0 0 0.0	0 0.0 1 100.0	0 0.0 0 0.0	0 0.0
FLUGRESCENT	3 42.9 0 0.0	1 20.0 0 0.0	1 25.0 0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
ACTH Other:	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0,0	0 0.0
NO RESPONSE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
TOTAL	7 100.0	5 100.0	4 100.0	2 100.0	1 100.0	0 100.0	0 100.0
			•				

とり



# NUMBER AND PERCENTAGE OF HEDIUM COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

	NUMBER	PERCENTAGE	
WATER UTILITY	7	100.0	******************
PUMP ON PROPERTY	0	0.0	1
OTHER (WELLS, ETC.)	0	0.0	<b>'</b>
NO RESPONSE	0	0.0	1
TOTAL	7	100.0	
- ·-			107 207 307 407 507 607 707 807 907 1007

NUMBER AND PERCENTAGE OF PRINCIPALS OF MEDIUM COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

	NUMBER	PERCENTAGE	
MAINTENANCE	5	71.4	*******
CCNSTRUCTION	2	28.6	++++++++++
BCTH	0	0.0	
NEITHER (INCLUDING NO RESPONSE)	0	0.0	1
TOTAL	7	100.0	믶묲됮쒖믔묲믶됮묲묨롲횼뽰늗늗퍞쪞퍞묨퍞묨뺚춖퍞찞늗춖춖뇶댎춖첉쾧퍞늗핕쯗춖춖둮쭼뇶늗섌첉흕
TOTAL		FAASA	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

PLANT PROFILES: MEDIUM COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS

	CRITERION		DEQUATE	SUBSTANDARO:		
		NUMBER	PERCENTAGE	NUMBER	PERCENTAGE	
1. E	ENROLLMENT/CAPACITY RATIO <= 1	4	57.1	, 3	42.9	
2. 1	MEETS NATIONAL SCHOOL SIZE STANDARDS	7	100.0	0	0.0	
3. 1	MEETS NATIONAL SITE SIZE STANDARDS	0	0.0	6	100.0	
4. (	ORIGINAL BUILDING 30 YRS OLD OR LESS	• 0	0.0	• 7	100.0	
5. 1	NG TEMPORARY STRUCTURES	6	85.7	1	14.3	
6, 1	NO BASEMENT USED FOR INSTRUCTION	6	85.7	1	14.3	
7. 1	NO BUILDING OF WOOD EXCLUSIVELY	7	100.0	0	0.0	
8. (	CENTRAL HEATING IN DRIGINAL BUILDING	6	85.7	1	14.3	
9, (	CENTRAL AIR OR ALL WINDOW UNITS	1	14.3	. 3	42.9	
10. (	CCMPLETE FLUORESCENT LIGHTING	. 2	28.6	4	57.1	
11. (	USE OF WATER UTILITY	7	100.0	0	0.0	
RIC	EETS 7 OF 11 OF ABOVE CRITERIA	. 4	57.1		14.3	
TOTAL DESIGNATION OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY		:	The second second second			

DATA DISPLAY 4.24

## LARGE COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS

## 2 RESPONDENTS

NUMBER AND PERCENTAGE OF LARGE COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED PROPORTIONS OF SCHOOL PLANT CAPACITY

ENR	CLLPENT/CAPACITY												
	- RATIO -	NUMBER	PERCENTAGE										
ABCV	E 0.0- 0.5	0	0.0	1									
ABCV	E 0.5- 0.8	1	50.0	*****	*****	****	****	****					
. ABOVI	E 0.8- 1.0	. 0	0.0	Ì									
ABCV	E 1.0- 1.5	1	50.0	*****	****	****	*****	****					-
ABOVE	E 1.5- 2.0	Ō	0.0	İ									
ABCV	2.0-13.0	0	0.0	İ									
	TOTAL	2	100.0										
i	ent de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de			10%	20%	302	40%	50%	60%	70%	80%	90%	100\$
Cr.	HOGLS THAT EXCEED	CABACTTV.		50-01							•		
	POST INMI EXCEED	LAPALLITI	1	"3 U a 13 X									

NUMBER AND PERCENTAGE OF LARGE COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SITES OF SPECIFIED SIZES (IN ACRES)

ACRES 0- LESS THAN 1	NUMBER	PERCENTAGE											
	Ų	0.0	Į.			:	:	,					
1- LESS THAN - 5	0	0.0	1										
5- LESS THAN 10	0	0.0	İ	•									
10- LESS THAN 20	2	100.0	*****	****	****	*****	****	****	****	****	 	****	k .
20- LESS THAN 30	, Q	0.0	İ								•		-
30- LESS THAN 50	. 0	0.0	1										4
50- LESS THAN 100	0	0.0	1 .										
TOTAL	2	100.0	227771					, ,				****	
:			10%	201	302	401	50 <b>T</b>	60%	70%	80%	90%	1007	,

MEDIAN SCHOOL SITE SIZE IS 13 ACRES

NUMBER AND PERCENTAGE OF LARGE COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS MEETING SITE SIZE REQUIREMENTS: 0 0.0%

# NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS CCCURRING AT SPECIFIED STAGES OF THE SCHOOL LIFE CYCLE

AGE (IN VEARS)	ORIGINAL	A001	ADD2	ADD3	TEMPL	T.ENP2	TEMP3
AGE (IN YEARS) 60 OR OVER 40- LESS THAN 60 20- LESS THAN 40 LESS THAN 20 TOTAL	1 50.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
	1 50.0	1 50.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
	0 0.0	1 50.0	1 50.0	0 0.0	1 50.0	1 100.0	0 0.0
	0 0.0	0 0.0	1 50.0	1 100.0	1 50.0	0 0.0	0 0.0
	2 100.0	2 100.0	2 100.0	1 100.0	2 100.0	1 100.0	0 100.0

# NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS CONSTRUCTED OR ADDED IN SPECIFIED DECADES, 1840-1973

	ďΩ	IGINAL		ADD1	•	ADDZ		ADD3		TEMP1		TEMP2		TEMP3
ieżen taja taga	_		0	0.0	0	0.0	0	0.0	0	0.0	Ō	0.0	Ó	0.0
AFTER 1840 - 1870	0	0.0			٧	_			Õ	0.0	ň	0.0	۸	0.0
AFTER 1870 - 1880	0	0.0	Q	0.0	Ų	0.0	0	0.0						
AFTER 1880 - 1890	0	0.0	0	0.0	Q	0.0	Q	0.0	0	0.0	0	0.0	Ų	0.0
AFTER 1890 - 1900	Ō	0.0	0	0.0	0	0.0	0	0.0	0	0.0	, 0	0.0	0	0.0
	1	50.0	Q	0.0	٥	0.0	Ö	0.0	0	0.0	, 0	0.0	0	0.0
AFTER 1900 - 1910	<u>.</u>		_						ă.	0.0	Ō	0.0	À	0.0
AFTER 1910 - 1920	0	0.0	0	0.0	. 0	0.0	0	0.0	Ų					-
AFTER 1920 - 1930	1	50.0	1	50.0	0	0.0	0	0.0	0	0.0	. 0	0.0	0	0.0
AFTER 1930 - 1940	ō	0.0	0	0.0	, 0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AFTER 1940 - 1950	Ŏ	0.0	1	50.0	0	0.0	Ō	0.0	1	50.0	1	100.0	0	0.0
AFTER 1950 - 1960	Õ	0.0	Ō	0.0	2	100.0	٥	0.0	0	0.0	0	0.0	0	0.0
	-				_		1		Á	0.0	. 0	0.0	À	0.0
AFTER 1960 - 1970	Q	0.0	0	0.0	U	0.0	Ţ	100.0	V			-	¥	
AFTER 1970 - 1973	Ó	0.0	0	0.0	0	0.0	Q	0.0	1	50.0	0	0.0	Q	0.0
TOTAL	2	100.0	2	100.0	2	100.0	1	100.0	2	100.0	1	100.0	0	100.0

	ORIGINAL	ADD1	ADD2	ADD3	TEMPL	TEMP2	TEMP3
OLDEST STRUCTURE	1908	1925	1951	1961	1945	1948	0
MEAN YEAR OF CONSTRUCTION	1916	1937	1955	1961	1958	1948	0 .

# NUMBER AND PERCENTAGE OF LARGE COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF ADDITIONAL AND TEMPORARY STRUCTURES

	1100A	TONS	TEMPORARIES				
0	0	0.0	<b>Q</b> .	0.0			
ì	0	0.0	1	50.0			
2	ì	50.C	1	50.0			
ž	ĺ	50.0	Ó	0.0			
TOTAL	2 1	0.00	2	100.0			

# NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS UTILIZING BASEMENTS FOR INSTRUCTION OR OTHER PROGRAMS INVOLVING STUDENTS

OR	IGINAL		ACO1		AOD2		ADD3		TEMP1		TEMP2	1	ENP3
		Q	0.0	0		0	0.0	0	0.0	0	0.0	Ō·	0.0
	FALIGAL		Na aleeu	ENT AC	couc eto	HE THEE	COD THET	DUCTION	i.	1	60.0 <b>1</b>		

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS HAVING SPECIFIED NUMBERS OF STORIES (EXCLUDING BASEMENT)

NUMBER OF STORIES 1 STORY 2 STORIES 3 STORIES 4 STORIES TOTAL	OR 1 0. 1 0 2	1GINAL 50.0 0.0 50.0 0.0	1 0 1 0 2	ADD1 50.0 0.0 50.0 0.0	1 0 1 0 2	ADD2 50.0 0.0 50.0 0.0 100.0	1 0 0 0	ADD3 100.0 0.0 0.0 0.0 100.0	2 0 0 0 2	TEMP1 100.0 0.0 0.0 0.0 0.0	1 0 0 0	TEMP2 100.0 0.0 0.0 0.0 100.0	0 0 0 0	TEMP3 0.0 0.0 0.0 0.0 100.0
TWO STORIES OR MORE	1	BEFORE 19 50.0 E THAN OF 0.0	920 O NE STOR	0.0 Y 0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS USING SELECTED EXTERIOR CONSTRUCTION MATERIALS

	ORTGINAL	ADD1	AOD2	ADD3	TEMP1	TEMP2	TEMP3
BRICK	1 50.0	1 50.0	1 50.0	1 100.0	1 50.0	1 100.0	0 0.0
WOOD	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
METAL	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0
STONE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
CONCRETE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.0
CTHER	0 0.0	0 0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0
BRICK, WOOD	1 50.0	0 0.0	0 0.0	0 0.0	0.0	0 0.0	0 0.0
BRICK, METAL	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, STONE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, CONCRETE	0 0.0	1 50.0	1 50.0	0 0.0	1 50.0	0 0.0	0 0.0
	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, OTHER	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	
BRICK, WOOD, METAL	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0.00
BRICK, WOOD, CONCRETE		0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
BRICK, METAL, CONCRETE			0 0.0				
BRICK, STONE, CONCRETE	. 0 0.0	0.0	1	0 0.0	. 0 0.0	7 7 7	0 0.0
BRICK, WOOD, METAL, CONCRETE	0 0.0	0 0.0		0 0.0	0 0.0		
ALL OTHER COMBINATIONS	0 0.0	D 0.0	0 0.0	0.0	0 0.0	0 0.0	0 0.0
NO RESPONSE	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
TOTAL	2 100.0	2 100.0	2 100.0	1 100.0	2 100.0	1 100.0	0 100.0

# NUMBER AND PERCENTAGE OF BUILDINGS OF LARGE COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED TYPES OF HEATING, COOLING, AND LIGHTING EQUIPMENT

:													
HEATING EQ	UIPMENT												
•	ORIGINAL	AOO	)1	AODZ		ADD3		TEMP1		TEHP2		TENP3	
JUST CENTRAL	2 100.0	2 100		100.0	1	100.0	1	50.0	0	0.0	(	0.0	
JUST SPACE	0 0.0	0 0		0.0	Ō	0.0	1	50.0	1	100.0	(	0.0	
CENTRAL & SPACE	0 0.0	0 0		0.0	0	0.0	0	0.0	0	0.0	(	0.0	
NO RESPONSE	0 0.0	0 0	_	0.0	0	0.0	0	0.0	0	0.0	. (	0.0	
TOTAL	2 100.0	2 100	-	100.0	1	100.0	2	100.0	1	100.0	(	100.0	
IOIAE	£ 20010	• ••••	,						1				
COOLING EQ	UIPMENT		Ť										
	ORIGINAL	ADO	<b>31</b>	ADD2		ADD3		TEMPI		TEMP2		TEMP3	
MÉT CENTALI	0 0.0	0 0		50.0	0	0.0	1	50.0	0	0.0	(	0.0	
JUST CENTRAL	1 50.0	1 50,		0.0	Ō	0.0	Õ	0.0	Ō	0.0	Ċ		
JUST WINDOW UNIT	0 0.0	0 0,		0.0	Õ	0.0	ā	0.0	Ó	0.0	(		
CENTRAL & WINDOW	1 50.0	1 50		50.0	1	100.0	i	50.0	1	100.0	Č		
NO MECHANICAL	2 100.0	2 100		100.0	ī	100.0	2	100.0	ī	100.0	Č		
TOTAL		£ 1444		10000	•			•	-	*****	_		
MINDO	W UNIT COOLING		•										
,	ORIGINAL	ADO	)1	ADD2		ADD3		TEMP1		TEMP2		TEMP3	
ALL ROOMS	1 100.0	1 100.		0.0	0	0.0	٥	0.0	0	0.0	(	0.0	
SELECTED ROOMS	0 0.0	0 0.		0.0	0	0.0	. 0	0.0	0	0.0		. 0.0	
NO RESPONSE	0 0.0	0 0		0.0	0	0.0	` 0	0.0	. 0	0.0	C		
TOTAL	1 100.0	1 100.	.0 0	100.0	0	100.0	0	100.0	0	100.0	· (	100.0	
	• •												
LIGHTING E	QUIPMENT												
										===			
	ORIGINAL	ADO		ADD2	_	ADD3	_	TEMPL	_	TEMP2	_	TEMP3	
INCANDESCENT	0 0.0	0 0.		0.0	0	0.0	0	0.0	0	0.0	0		
FLUORESCENT	2 100.0	1 50		100.0	1	100.0	2	100.0	Ī	100.0	0		
80TH	0 0.0	0 0.		0.0	5	0.0	0	0.0	0	0.0	0		
CTHER	0 0.0	1 50	_	0.0		0.0	0	0.0	0	0.0	Ç	0.0	N
ND RESPONSE	0 0.0	0 0		0.0	0	0.0	0	0.0	Ō	.0.0	Ç	0.0	281
TOTAL	2 100.0	2 100.	0 2	100.0	1	100.0	2	100.0	1	100.0	C	100.0	F



NUMBER AND PERCENTAGE OF LARGE COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS USING SPECIFIED SOURCES OF WATER SUPPLY

WATER UTILITY PUMP ON PROPERTY CTHER (WELLS, ETC.) NO RESPONSE TOTAL	NUMBER 2 0 0 0 2	PERCENTAGE 100.0 . 0.0 0.0 0.0 100.0	**************
, n.	•	*00*0	10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

NUMBER AND PERCENTAGE OF PRINCIPALS OF LARGE COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS EXPRESSING SPECIFIED FACILITY NEEDS

MAINTENANCE CONSTRUCTION BOTH NEITHER (INCLUDING NO RESPONSE) TOTAL	NUMBER 2 0 0 0 2	PERCENTAGE 100.0 0.0 0.0 0.0 100.0	*****************
			10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

PLANT PROFILES: LARGE COMBINED SCHOOLS IN CITY/SPECIAL SYSTEMS

CRITERION	A	DEDUATE	SUBSTANDARD			
	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE		
ENROLLMENT/CAPACITY RATIO <= 1	1	50.0	1	50.0		
MEETS NATIONAL SCHOOL SIZE STANDARDS	1	50.0	1	50.0		
MEETS NATIONAL SITE SIZE STANDARDS	0	0.0	2	100.0		
ORIGINAL BUILDING 30 YRS OLD OR LESS	0	0.0	2	100.0		
NO TEMPORARY STRUCTURES	0	0.0	2	100.0		
NO BASEMENT USED FOR INSTRUCTION	1	50.0	1	50.0		
NO BUILDING OF WOOD EXCLUSIVELY	2	100.0	0	0.0		
CENTRAL HEATING IN ORIGINAL BUILDING	2	100.0	0	0.0		
CENTRAL AIR OR ALL WINDOW UNITS	1	50.0	1	50.0		
COMPLETE FLUORESCENT LIGHTING	1	50.0	. 0	0.0		
USE OF WATER UTILITY	2	100.0	0	0.0		
MEETS 7 OF 11 OF ABOVE CRITERIA	Q	0.0	Q	0.0		
	CRITERION  ENROLLMENT/CAPACITY RATIO <= 1  MEETS NATIONAL SCHOOL SIZE STANDARDS  MEETS NATIONAL SITE SIZE STANDARDS  ORIGINAL BUILDING 30 YRS OLD OR LESS  NO TEMPORARY STRUCTURES  NO BASEMENT USED FOR INSTRUCTION  NO BUILDING OF WOOD EXCLUSIVELY  CENTRAL HEATING IN ORIGINAL BUILDING  CENTRAL AIR OR ALL WINDOW UNITS  COMPLETE FLUORESCENT LIGHTING  USE OF WATER UTILITY  MEETS 7 OF 11 OF ABOVE CRITERIA	ENRCLLMENT/CAPACITY RATIO <= 1  MEETS NATIONAL SCHOOL SIZE STANDARDS  MEETS NATIONAL SITE SIZE STANDARDS  ORIGINAL BUILDING 30 YRS OLD OR LESS  NO TEMPORARY STRUCTURES  NO BASEMENT USED FOR INSTRUCTION  NO BUILDING OF WOOD EXCLUSIVELY  CENTRAL HEATING IN ORIGINAL BUILDING  CENTRAL AIR OR ALL WINDOW UNITS  1  CGMPLETE FLUORESCENT LIGHTING  USE OF WATER UTILITY  2	ENROLLMENT/CAPACITY RATIO (= 1 1 50.0  MEETS NATIONAL SCHOOL SIZE STANDARDS 1 50.0  MEETS NATIONAL SITE SIZE STANDARDS 0 0.0  ORIGINAL BUILDING 30 YRS OLD OR LESS 0 0.0  NO TEMPORARY STRUCTURES 0 0.0  NO BASEMENT USED FOR INSTRUCTION 1 50.0  NO BUILDING OF WOOD EXCLUSIVELY 2 100.0  CENTRAL HEATING IN ORIGINAL BUILDING 2 100.0  CENTRAL AIR OR ALL WINDOW UNITS 1 50.0  COMPLETE FLUORESCENT LIGHTING 1 50.0  USE OF WATER UTILITY 2 100.0	NUMBER PERCENTAGE NUMBER  ENRCLLMENT/CAPACITY RATIO <= 1		

#### SECTION 5

#### SUMMARY AND CONCLUSIONS

#### SUMMARY

In March 1973, the Bureau of Educational Research and Service at the University of Tennessee, Knoxville mailed a questionnaire entitled, "Description of School Plant Facilities in Tennessee" to each of the 1783 principals of public schools in Tennessee (as listed in <u>Directory of Public Schools for 1972-1973</u> (20)). A total of 1451 questionnaires, or 81.4 percent of the number sent out, was completed and returned.

For purposes of analysis, schools were classified according to:

- 1) Type of System
  - a. County
  - b. City, Town, and Special District
- 2) Organizational Level
  - a. Elementary
  - b. Middle
  - c. Secondary
  - d. Com ed (and Unknown)
- 3) Size
  - a. Small enrollment below 350
  - b. Medium enrollment 350-699
  - c. Large enrollment 700 or above
- 4) Grand Division of the State
  - a. West Tennessee
  - b. Middle Tennessee
  - c. East Tennessee



Two sets of twelve criteria were developed to distinguish 'adequate' and 'substandard' school plants. According to these standards, 59.5 percent of all Tennessee Schools were found to be 'adequate' and 4.1 percent 'substandard'.

When schools were classified by Grand Division and organizational level, it was found that middle schools in West Tennessee contained the largest percentage (76.9) of 'adequate' plants. The highest percentage (7.1) of 'substandard' plants was among combined schools in West Tennessee.

When schools were categorized by size, organizational level, and type of system, medium sized middle schools in city/special district systems were found to contain the largest percentage (92) of 'adequate' plants. The highest percentage (13.3) of 'substandard' plants was located among small combined schools in county systems.

City/special district school systems were found superior to county systems in the percentage of 'adequate' plants: 75.6 percent for city/special district to 53.6 percent for county systems. County systems had more 'substandard' plants: 4.8 percent to 2.3 percent for city/special district systems.

Using organizational level to categorize school plant information revealed the following hierarchy with regard to 'adequate' plants: secondary schools highest with 71.6 percent, middle schools close behind with 71.1 percent, elementary schools with 56.3 percent, and combined schools last with 41.7 percent. In terms of 'substandard' plants, combined schools had the most (5.6 percent), elementary schools had 4.5 percent, middle schools 4.0 percent, and secondary schools just 1.7 percent.

When the school plant data were analyzed by school size, medium sized schools proved superior in terms of 'adequate' plant ratings. Medium sized schools had 68 percent of the total in the category rated 'adequate', large



schools followed with 60.5 percent, and small schools trailed with 48.4 percent. Small schools had the highest percentage of 'substandard' plants with 6, large schools followed with 4.1 percent, and medium schools had just 2.6 percent.

Looking at the data by Grand Division, West Tennessee schools led the State with 67.8 percent of the school plants in that category being rated 'adequate'. Middle Tennessee schools were second with 59.2 percent in the 'adequate' range; East Tennessee fared worst with 55 percent. Likewise, East Tennessee led in percentage (5.7) of 'substandard' plants; Middle Tennessee had 3.4 percent and West Tennessee 2.0 percent in the 'substandard' range.

More specifically, the data derived from the sample revealed the following facts about Tennessee's public school plant facilities:

- 1) According to national school enrollment standards, more than one-fourth (26.5 percent) of all Tennessee schools were too small to permit efficient operation.
- 2) More than one-third of the State's elementary and secondary schools were too large (contained too many students), according to national standards.

  Almost one-half of the middle schools were too large.
- 3) More than one-fourth (26.8 percent) of all Tennessee schools represented in the survey were enrolling more students than the school plant was designed to serve adequately.
- 4) Comparison with national standards for size of school site (in acres) indicated that only 16.2 percent of Tennessee's public schools had sites of sufficient size in 1973. The median site size for the State was 9 acres.
- 5) At the time of the survey 63.2 percent of the State's public schools were housed in 'original' buildings (oldest buildings still in use) 30 years of age or less. However, 72 buildings were reported to be 60 years of age or older (decidedly out-dated and perhaps unsafe); four structures were reported to be more than 100 years old.

  483



- 6) Of the schools represented, 21.2 percent had at least one temporary structure; seven school plants included from four to thirteen such structures.
- 7) Use of a basement for instruction or other programs involving students was reported by 23.3 percent of the sample.
- 8) Most (64.4 percent of 'original' structures, 73 percent of all additions, 95.7 percent of all temporary structures) of Tennessee's public school buildings were structures of one story. Despite a State requirement that no building of frame construction shall exceed a height of one story, ten all-wood structures of more than one story were reported.
- 9) Brick was the most widely used material for construction of exterior walls of buildings represented in the survey.
- 10) Approximately 90 percent of the 'original' buildings were equipped with central heating systems in March 1973, but some 10 percent were still using space heaters as the sole source of heat.
- 11) Less than one-fourth (23.6 percent) of the schools in the sample had some permanent part of the school plant equipped with a central air conditioning system or with window air conditioners in all rooms.
- 12) Approximately 57 percent of the schools in the survey had fluorescent lighting in instructional areas of all permanent parts of the plant.
- 13) Most schools (86.7 percent) utilized water supplied by a water utility rather than by a pump located on school property or by other means.
- 14) More than one-half of the principals (52.7 percent) responding indicated that maintenance of present facilities was their most critical need at the time. Construction of new facilities was seen as most critical by 36.9 percent of the principals.



- 15) Principals specifying maintenance as a critical need felt that more funds should be allocated for maintenance, thus providing for more custodians and for better training and pay for these workers. Specific maintenance needs frequently listed were air conditioning systems, improved heating systems, exterior painting, and better lighting for buildings.
- 16) Principals favoring construction as the solution to current needs based their cases on such factors as overcrowding of present facilities, expected sharp increases in enrollment, costly maintenance of out-dated buildings, and inadequacy of old facilities for conduct of new programs. Types of facilities needed most included indoor play areas or gymnasiums, libraries, space for vocational courses, cafeterias, art and music classrooms, and kindergartens, in that order.

#### CONCLUSIONS

Few educators in the 1970's would seriously contend that students learn significantly more in school plants containing the finest of physical facilities. On the other hand, there is psychological evidence to indicate that students cannot learn as well as they might when they are uncomfortable. Learning certainly is not enhanced in a school building that is old and out-dated, in-adequately maintained, poorly lighted, too cold in winter, uncomfortably hot in summer, and perhaps overcrowded.

The present study has revealed a number of positive things about Tennessee's public school plant facilities, e.g., on nine of twelve profile criteria a majority of the school plants were rated 'adequate', and in all just 4.1 percent of the school plants represented were rated 'substandard'. But the real contribution of such a study should be in the area of pointing out needs, in suggesting where improvements should be made to insure that no child's opportunity for learning is jeopardized by clearly inadequate facilities.



Objective evidence of critical facility needs such as this survey has furnished should be used by local school boards and by Tennessee's legislative representatives at the state and national levels to provide direction for current allocations and justification for future fund-raising efforts. Survey findings could help convince voters at the local level to pass school bond issues for needed facility improvements.

Adjustment of school enrollments to conform more nearly to national standards deserves a high priority among the current set of goals for education in Tennessee. Very small schools should be consolidated wherever possible; many of the largest schools should be subdivided. At the time of this survey there were still many one, two, and three-teacher schools in the state. At least 87 schools had 100 or fewer students—far too few to permit economical operation. More than one-fourth of Tennessee's public schools (26.5 percent) failed to meet the minimum enrollment figure of 300 established by most authorities.

Educational disadvantages offset any economies of operation that may result when enrollments soar. At the time of this study, more than one-third of Tennessee's elementary and secondary schools, and almost one-half of the middle schools exceeded the maximum enrollment figures established by national authorities.

Among schools represented in this study, those of medium size (enrollment of 350-699) had a higher percentage of plants rated 'adequate' than did large or small schools. This is one more indication of the validity of adjusting school enrollments so that they more nearly approximate national standards.

Desired educational programs may have to be modified or even curtailed when the number of students being served exceeds the number for which a given facility was designed. In 1973 more than one-fourth (26.8 percent) of



all Tennessee schools were enrolling more students than the school plant was designed to serve adequately. A significant program of construction to increase the capacity of school plant facilities in the State is urgently needed to correct this critical problem of overcrowding.

Schools should be situated on sites that provide room for outdoor play and equipment, physical education and athletics, outdoor study of the environment, meeting places for students and parking spaces for school personnel and visitors. Just 16.2 percent of schools in the survey sample had sites of sufficient size, according to national standards. Some plan should be devised for increasing the size of woefully inadequate sites. If a school with a site of insufficient size must stay in its present location, perhaps additional acreage adjoining, or at least within walking distance of, the plant should be purchased in order to permit the types of outdoor programming that are recommended by national authorities.

It is encouraging to note that at the time this survey was conducted, more than 63 percent of Tennessee's public schools were housed in 'original' buildings (oldest buildings still in use) 30 years of age or less. This means that a substantial majority of the State's schools were using buildings that were relatively up-to-date and easy to maintain. Unfortunately, at least 72 buildings in the State were reported to be 60 years of age or older. Plans should be made to retire most of these buildings from service as soon as possible.

Buildings constructed of wood exclusively present an obvious fire hazard. Despite a State requirement that no building of frame construction shall exceed a height of one story, ten multi-story structures built exclusively of wood were reported. These hazardous buildings should be replaced immediately with more durable structures.



Principals emphasizing the need for improved maintenance of school plant facilities listed 'updating of hearing systems' as one of three most important maintenance problems demanding attention. Approximately 90 percent of the 'original' buildings in the survey had central heating. But 10 percent of the 'original' structures contained space heaters, a clearly inadequate means of supplying heat to school buildings. Funds should be allocated soon for converting the last group of buildings using space heaters to accommodate central heating equipment.

In 1973 few public schools in Tennessee were equipped with the mechanical cooling systems needed to provide a comfortable environment for students on a twelve-month basis. If optimum temperatures and humidity control are to be maintained, some type of mechanical cooling system must be used. Less than one-fourth (23.6 percent) of the schools sampled had some permanent part of the school plant equipped with a central air conditioning system or with window air conditioners in all rooms. If many of the State's schools adopt a plan for year-round operation in the near future, substantial sums of money will be needed for the installation of air conditioning systems.

The large number of detailed criticisms of school plant maintenance supplied by principals in connection with this study indicated that at many schools throughout the state an adequate building maintenance program was not in effect. Lack of funds was the explanation most often cited for the insufficient quantity and poor quality of the maintenance performed. Perhaps state and local authorities need to make a realistic appraisal of school maintenance programs to ascertain whether or not present allocations are sufficient to hire and train the personnel needed to keep school plants clean and in good repair. Current expenditures for maintenance must be compared with future costs of replacing facilities that are allowed to deteriorate as a result of insufficient preventive maintenance.



The urgent need for new construction to alleviate overcrowding has been detailed. In addition to general purpose classrooms, principals have said their most critical needs included indoor play areas, or gymnasiums, and libraries. Several principals stated that their present facilities did not meet the State's minimum standards in these areas. Since indoor play space and adequate library facilities can play a significant role in improving the learning environment of a school, efforts should be made to construct many more such facilities in the State. New construction must also provide space for vocational courses, cafeterias, music and art classes, and kindergartens.

Finally, information on 'adequate' and 'substandard' school plants obtained in the course of this survey indicates that there are certain categories of schools that need more attention than others at this time.

County school systems had a smaller percentage of 'adequate' school plants and a larger percentage of 'substandard' plants than did city/special district systems. Apparently county systems are in need of greater expenditures for improvement of facilities at this point than are city/special district systems. Small schools (enrollment below'350) require more attention now than medium or large schools. Combined schools deserve special efforts to bring the quality of facilities closer to the level of facilities at secondardy and middle schools. And school plant facilities in East Tennessee need to be brought closer to the level of those in West Tennessee.



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APPENDIX A

SURVEY INSTRUMENT

BUREAU OF EDUGATIONAL RESEARCH AND SERVICE

### Dear Principal:

The Bureau of Educational Research and Service at The University of Tennessee is attempting to obtain a current description of public school plant facilities throughout the state. Summary statements about school plant facilities in Tennessee, as well as individual descriptions of local facilities, then can be made available to the Tennessee State Department of Education, local boards of education, superintendents of schools, state legislators, and the public. We believe that the people of Tennessee need an accurate picture of public school facilities to increase their understanding of the need for building programs and for passage of the bond issues to finance such programs. This information should also furnish educators with a basis for determining future facility needs.

In order to obtain the most accurate current information, we are requesting each public school principal in the state to complete a brief descriptive questionnaire concerning his school plant facilities. This questionnaire, which is enclosed, should take no more than 15 minutes to complete.

To insure accurate communication a preliminary page of definitions, as used in the questionnaire, has been included. Please note that a special item has been included for reporting on school plants not in use or soon to be abandoned.

In order that we may compile our findings and provide you with a summary as soon as possible, please return the enclosed questionnaire to the Bureau of Educational Research and Service by March 16, 1973.

Thank you for your cooperation in this effort.

Sincerely,

Trudy W. Banta

Trudy W. Banta Special Project Director

nfb Enclosure



### DESCRIPTION OF SCHOOL PLANT FACILITIES IN TENNESSEE

Throughout this questionnaire the following terms are used as defined below:

School Plant - A site and buildings constituting the physical facilities used by a single school.

<u>Original</u> - That building being used <u>now</u> which was constructed and occupied <u>earliest</u> of all buildings currently in use.

Additions - Spaces added to the original building which are permanent in nature.

Temporary - Spaces added in the immediate proximity of the original building which can be moved to other sites.

Basement - Space which is below ground level (requiring window wells) on all sides.

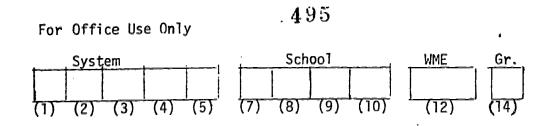
### Instructions:

Please use this form to provide information on all original buildings, additions, and temporary structures now being used by your school. Buildings not in use, or to-be-abandoned buildings now used on a temporary basis only, should be mentioned in Item V.

Please use <u>approximate</u> figures and dates if exact figures are not known. If some information is not readily available in your office, please contact your superintendent's office for assistance.

BY MARCH 16 please return completed questionnaire to:

Bureau of Educational Research and Service College of Education The University of Tennessee Knoxville, Tennessee 37916



# DESCRIPTION OF SCHOOL PLANT FACILITIES IN TENNESSEE

## I. Identification

A.	How many students were enrolled at your school as of September 30, 1972?		(17-20)
B.	What is the capacity of your school (the maximum number of students for which the school plant is designed)?	. — ,	(21-24)
C.	What is the approximate size of the school site in acres?		(25-26)

## II. School Plant Characteristics

The following questions concern characteristics of the original building which your school occupies, additions to that building, and temporary structures (see page 1 for definitions of these terms).

PLEASE ANSWER EACH ITEM SEPARATELY FOR EACH ORIGINAL, ADDITIONAL AND TEMPORARY STRUCTURE. If your school plant contains more than one addition or temporary structure, under the appropriate heading in A below write the year of construction for each of these structures in a separate column, then continue to use that column for responses concerning that particular structure throughout the remainder of Item II.

A check mark ( ) in the appropriate columns is the only response needed for B and D-H below. Please supply appropriate figures for C.

	CHARACTERISTICS	ORIG- INAL	ADDITION(S)	TEMPORARY		
A.	Year Constructed				(28-55)	
В.	Place a check in the appropriate column for each structure which has a basement that is used for instruction or other programs involving students.				(56-62)	
C.	Number of stories, excluding basement				(63-76) (80)	



-2.

	****			
CHARACTERISTICS	ORIG= INAL	ADDITION(S)	TEMPORARY	का है जिस के पार्टी प्राप्त के प्राप्त के प्राप्त के प्राप्त के प्राप्त के किस किस की जिस की विकास के प्राप्त क प्राप्त के प्राप्त के प्राप्त के प्राप्त के प्राप्त के प्राप्त के प्राप्त के प्राप्त के प्राप्त के प्राप्त के प
<ul><li>D. Exterior construction of building (check all that apply)</li></ul>	ding			(17-58)
Brick				
Wood	. !			
Metal ,				<b>†</b>
Stone				
Concrete				1
Other				
E. Type of heating equipment				(59-72)
Central (system for entire building				
Space (individual room units)				(80) 2
F. Type of cooling equipment				(17-37)
Central air conditioning system				,
Window units for individual rooms				
No mechanical cooling system				
G. If window units are used, how much of the building is cooled?				(38-51)
All rooms				299
Only selected rooms				
				,

CHARACTERISTICS ORIGINAL ADDITION(S) TEMPORARY

H. Principal type of lighting system in instructional areas

Incandescent

Fluorescent

Other

How does the school obtain its water? (Check one)

(52-72)

111,	HOW (	10es	the school obtain its water? (Check one)	(73)
		1.	Water Utility	
16		2.	Pump located on school property	
		3.	Other	
IV.	In or as th	der e mo	to carry out an adequate instructional program for your students, what do you see st crucial area of need for your school? (Check one)	(74)
		1.	Maintenance and repair of present facilities	
		2.	Construction of new facilities.	
	Dian	P.A	on the back of this shoot to compain your process to the stars of the	

Please use the back of this sheet to explain your response to the above question.

V. If there is an abandoned building on your site, or if you are using a soon-to-be abandoned building to house temporarily some of your instructional programs, please use the back of this sheet to note that fact. In addition, if you feel that some of your responses on the questionnaire need clarification, please use the back of this sheet to do that.

(80) 3



### APPENDIX B

COUNTIES IN GRAND DIVISIONS OF TENNESSEE

### COUNTIES IN GRAND DIVISIONS OF TENNESSEE

#### West

Benton Carroll Chester Crockett Decatur Dyer Fayette Gibson Hardeman Hardin Haywood Henderson Henry Lake Lauderdale McNairy Madison Obion Perry Shelby Tipton Weakley

### Middle

Bedford
Cannon
Cheatham
Clay
Coffee
Davidson
Dekalb
Dickson
Fentress
Franklin
Giles
Grundy
Hickman
Houston

Humphreys
Jackson
Lawrence
Lewis
Lincoln
Macon
Marshall
Maury
Moore
Montgomery
Overton
Pickett
Putnam

Robertson
Rutherford
Sequatchie
Smith
Stewart
Sumner
Trousdale
Van Buren
Warren
Wayne
White
Williamson
Wilson

#### East

Anderson
Bledsoe
Blount
Bradley
Campbell
Carter
Claiborne
Cocke
Cumberland
Grainger
Greene

Hamblen
Hamilton
Hancock
Hawkins
Jefferson
Johnson
Knox
Loudon
McMinn
Marion
Meigs

Monroe
Morgan
Polk
Rhea
Roane
Scott
Sevier
Sullivan
Unicoi
Union
Washington

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