A MASTER PLAN UPDATE FOR.....

Colorado School for the Deaf and the Blind

Introduction

The following report was prepared for the purpose of updating a long-range campus development study prepared in 1966 for the Colorado School for the Deaf and the Blind by Bunts & Kelsey, Architects/Planners. The 1966 study projected an enrollment growth from the existing 255 students to 338 by 1974 and 358 by 1975. The study also planned for the expansion of the physical facilities at the School in order to house the growing student enrollment and educational programs. This Master Plan Update Report projects in detail the student enrollment growth from 1976 through 1980. The report is divided in three sections: Academic Master Plan, Facilities Inventory, and Facilities Master Plan.

ACADEMIC MASTER PLAN

The Academic Master Plan section of the report was prepared for the most part by officials from the Colorado School for the Deaf and the Blind. It contains general information about the School and its related service area. It contains information regarding the School's policies with respect to enrollment, academic program, community programs, food service, health care, housing, etc. This section projects the number of students that are anticipated by 1980 and lists in detail the academic programs that are planned. Projections are also made in the number of faculty and staff that will be required.

FACILITIES INVENTORY

The inventory of existing facilities examines in detail all the building and site elements contained within the property boundaries of The Colorado School for the Deaf and the Blind. The name, number, size and use of every room on campus is cataloged for use in The Facilities Master Plan section of the report.

FACILITIES MASTER PLAN

Based on the enrollment projections, the academic program projections and the School policies, this section of the report projects the indoor facilities and site elements that will be required by the 1980 enrollment level. These requirements are compared with the existing facilities that will be available for use. Existing facilities are scheduled for specific uses or for demolition. New construction projects are planned. Two campus plans are developed - one indicating the detailed growth of the campus by 1980, and another projecting general growth beyond 1980. Time schedules and cost estimates for the demolition and new construction projects are presented.

It should be emphasized that the plans contained in this report are intended to be flexible guidelines within which orderly planned growth of the School can take place. The plans are dependent on School policies, academic and social programs, teaching philosophies, techniques and equipment and enrollment projections. Each of these items needs to be monitored. Changes in one element of the School's operation will have an impact on all elements to some extent. If this document is to have important and lasting value, it must be used often as a reference source, re-evaluated and modified when necessary in order to remain current with the ever changing educational process.

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MARCH 1976

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General

ROLE OF THE INSTITUTION

The purpose of the Colorado School for the Deaf and the Blind is defined in the Colorado Revised Statues 1953 as follows: "16-2-2, The Colorado School for the Deaf and the Blind...is hereby declared to be one of the educational institutions of the State of Colorado, and has for its object the education of such of those children of the State, who by reason of the impairment of their senses of hearing or of sight, cannot be advantageously educated in the other schools or educational institutions of the State."

The carefully planned program - based on years of experience and research in the education of the deaf and the blind, both in the United States and abroad, is adjusted to the needs of the pupils. However, the program is never static. Because of an ever increasing interest and continuous research in this kind of specialized education, techniques and teaching methods are constantly being revised so that objectives can more readily and more adequately be realized. Everything from the clean, handsome buildings and friendly, competent staff to the carefully planned program is calculated to make the child feel at home and bring forth his best efforts. The care, affection, and pains that the school takes with each of its pupils, from enrollment on, indicates a dedication to the task and symbolizes the spirit in which goals are accomplished.

The final goal of the School is well adjusted, well educated, happy and self-supporting citizens who because of the advantages offered can readily find their rightful place in society.

HISTORY

At the foot of Pike's Peak, on a rolling, beautifully landscaped 24 acre plot in the heart of Colorado Springs, The Colorado School for the Deaf and the Blind boasts one of the finest staffs and the finest facilities and equipment of its long history of service.

Established in 1874, two years before Colorado became a State, the School, from its humble beginning with only seven pupils, has grown in size and stature, and reputation until it is now regarded as one of the foremost schools of its kind in the United States.

In the course of its history, the School has enrolled approximately 3500 pupils. It looks with pride upon the many former pupils who have carved their niche in life successfully as businessmen, teachers, scientists, ministers, ranchers, farmers, and editors and in many other fields which have lead and are leading to useful, constructive lives in various remunerative trades.

The founding of the Colorado School for the Deaf and the Blind came about through a simple need - that of a public supported school to take care of the educational needs of the deaf and the blind children in the Territory of Colorado. Jonathan Ralstin Kennedy, a former steward at the Kansas School for the Deaf had moved to Colorado with his family, which included three deaf children. Finding no school for the deaf in Colorado, he started a movement which culminated in the establishment of this school by the 10th Territorial Legislature in the Spring of 1874. The Hon. E. M. Cook was Territorial Governor at that time. The Colorado Springs Land Company donated ten acres of land for the building site. Only the deaf were admitted during

the first three years of the School's existence. In 1867, the Legislature passed a law admitting the blind, and the School became The Colorado School for the Deaf and the Blind. Through the years, the School site has grown to a 24 acre main campus and a 23 acre south campus. Many beautifully designed buildings now grace its rolling expanse, with much of the area reserved for playgrounds and turft athletic field. Continued expansion of facilities to help the School meet the needs of Colorado's growing population is always of primary concern.

RELATIONSHIPS TO OTHER STATE INSTITUTIONS

In 1968 the School was placed under the Department of Institutions, the School Board was made an Advisory Board, and the Superintendent was made Director of the Division for the Deaf and the Blind. In 1974, the School was placed under the Division of Developmental Disabilities. In July, 1974, the Superintendent was again given Division status.

The School offers the only comprehensive program for the education of the deaf and the blind in the State. There are many itinerant programs that have been started since House Bill 1164 went into effect, but none offer such extensive offerings such as daily living skills, mobility, vocational training, P.E., music, and extra curricular activities as does the residential School in Colorado Springs.

RELATIONSHIPS TO PUBLIC SCHOOLS

The school participates in many local and statewide workshops with teachers of the deaf or the blind in public schools. The School also furnishes many materials, such as textbooks to public schools through the Colorado Instructional Materials Center (CIMC). Many of the Deaf and Blind School faculty belong to the same professional organizations as the public school teachers. The School for the Deaf and the Blind has a very fine working relationship with the local school district and El Paso Community College, as several students are taking special courses in the local high schools and at EPCC. The school also shares expertise and diagnostic services with the public schools.

The School for the Blind has also had the privilege the past three years of working with the Social Science Education Consortium, Inc., of Boulder in adapting social science material for the blind.

RELATIONSHIPS TO PRIVATE SCHOOLS

The only relationship which the school has with private schools is the sharing of expertise, guest lecturing and visitations.

Service Area

GEOGRAPHIC BOUNDARIES

The School for the Deaf and the Blind serves the entire State of Colorado. The only entrance requirement is that the child must be a resident of Colorado. Children from neighboring states may attend on a tuition basis. There is one blind student from the State of Wyoming.

The students in the regional deaf/blind program at the Colorado School for the Deaf and the Blind come from eight neighboring states.

The State of Colorado pays tuition to the State of Alabama for one deaf/blind student who is too old for the State's own deaf/blind program.

GEOGRAPHIC CHARACTERISTICS

Because of the vast distances between home and school and due to the division of the State by the Great Continental Divide, most students live on campus.

The following two tables indicate the distribution of the existing 1975 entrollment throughout Colorado.

ENROLLMENT DISTRIBUTION BY CITY - 1975

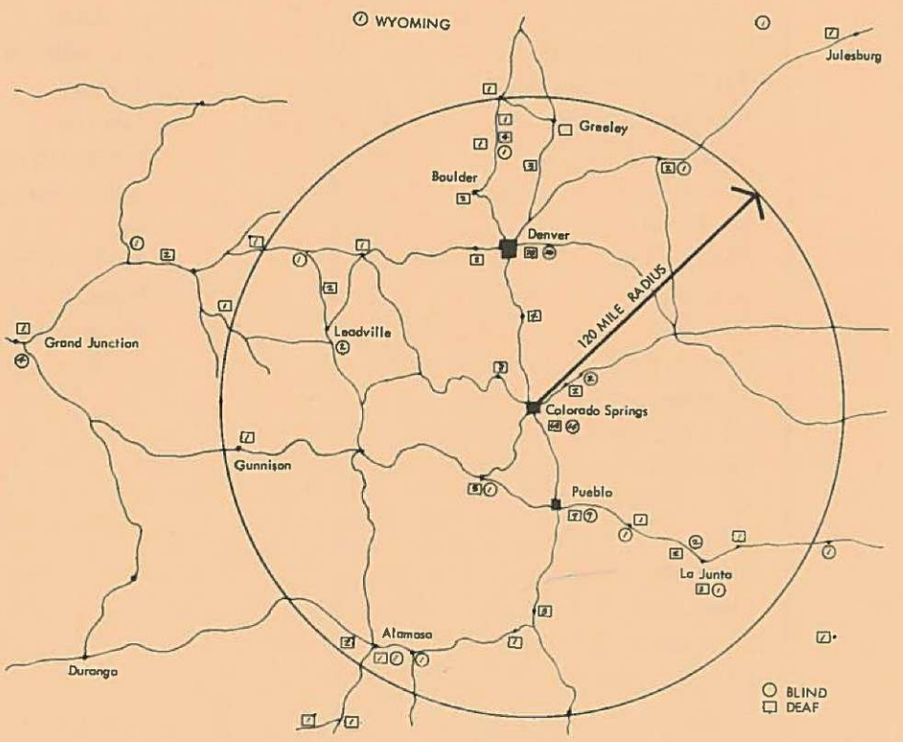
BLIND		DEAF/BLIND	
Denver	9	Utah	3
Northglenn	3	Kansas	2
Littleton	1	Wyoming	1
Arvada	1	North Dakota	1
Lakewood	1	New Mexico	1
Evergreen	1	Nebraska	3
Colorado Springs	12	South Dakota	0
Air Force Academy	1	Colorado	11
Manitou Springs	1	Denver	2
Calhan	2	Littleton	1
Lamar	1	Evergreen	1
La Junta	1	Evans	1
Rocky Ford	2	Buffalo Creek	1
Fowler	1	Yampa	1
Pueblo	9	Widefield	1
Canon City	1	Colorado Springs	3
Alamosa	1		
Fort Garland	1		
Durango	1		
Grand Junction	4		
Rifle	1		
Minturn	1		
Leadville	2		
Longmont	1		
Fort Morgan	1		
Peetz	1		
Sheridan, Wyoming	1		

ENROLLMENT DISTRIBUTION BY CITY - 1975 (continued)

DEAF

Denver	44	Peyton	1	Canon City	5
Aurora	10	Ramah	1	Redcliff	2
Lakewood	4	Two Buttes	1	Silt	2
Englewood	3	Las Animas	1	El Jebel	1
Castle Rock	4	La Junta	3	Frisco	1
Thornton	3	Rocky Ford	1	Clifton	1
Arvada	3	Manzanola	1	Eagle	1
Northglenn	2	Fowler	1	Boulder	2
Broomfield	1	Pueblo	9	Lyons	1
Westminster	2	Colorado City	2	Longmont	4
Littleton	2	Trinidad	2	Loveland	1
Golden	2	La Veta	1	Fort Collins	1
Colorado Springs	50	Walsenburg	3	Frederick	3
Widefield	5	Alamosa	1	Greeley	1
Security	5	Antonito	1	Eaton	1
Fountain	1	Monte Vista	2	Fort Morgan	1
Manitou Springs	1	Mancos	1	Brush	1
Woodland Park	2	Gunnison	1	Julesburg	1
Victor	1				

ENROLLMENT DISTRIBUTION WITHIN THE STATE - 1975



POPULATION/NUMERICAL DATA

Anticipated population forecasts are based on the State of Colorado total population figures, developed by the University of Colorado, School of Business Administration, Business Research Division, as extracted from the report "Colorado County Population Estimates, 1970-80, Methods and Results."

The figures in Chart A are based on the number of hearing or vision impaired students that are in public schools. This state figure (column 1) is supplied by the Colorado Department of Education and does not include the School for the Deaf and Blind population (column 3), therefore, these figures must be added to give the total (column 5). The age range used is from 5-21. Column 7 shows the percent of the total enrollment in either handicap that is being served by The Colorado School for the Deaf and the Blind.

The State Department of Education uses the incidence factors of:

.75 per 1000 Deaf
.51 per 1000 Blind

Chart A

	-1- CDE Estimate State 1975	-2- CDE Estimate State 1980	-3- Deaf and Blind, 1975	-4- Deaf and Blind, 1980	-5- Total, 1975	-6- Total, 1980	-7- Deaf and Blind, %, 1975	-8- Deaf and Blind, % 1980
HEARING	722	710/1000	220	260	942	970/1260	23	21-27
VISION	416	474/483	63	75	479	549/558	13	13-14

In Chart B, the enrollments for each of four years were compared to the corresponding total enrollment and the incidence factor computed. As can be seen, there is a wide range in the values. This discrepancy is probably due to a lack of a well defined criteria for measuring the degree of impairment. For example, the hard of hearing are included with the profoundly deaf. To arrive at a meaningful figure in 1980, Charts C and D were plotted using the incidence factors for 1973 to 1976 and the incidence factors .75 for deaf and .51 for the blind. These figures show the amount of convergence or divergence in the factors by 1980 and therefore the range.

Chart B

	800,000 73-74	847,000 74-75	883,000 75-76	900,494 76-77
HEARING	599 .75	863 1.03	722 .82	826 .92
VISION	356 .44	303 .36	416 .47	498 .55

Applying this range of incidence factors to the 1975 population figures, one can see that by 1980 there may be expected a deaf and hearing impaired population (column 6) ranging from 970 to 1260 students and for the blind and partially sighted, 549 to 558 students. This in turn shows that the Colorado School for the Deaf and the Blind will be serving from 21 to 27% of the deaf school age population and 13 to 14% of the blind, column 8.

It is very difficult at this time to make a projected population figure for the Colorado School for the Deaf and the Blind because no one is able to visualize the impact of the mandatory education law, House Bill 1164. This is particularly true of the multi-handicapped population. With the establishment of the self-contained, multi-handicapped unit for the deaf, we can expect a sharp increase in population in this area when we look at the results in other states that have mandatory legislation and where the state school has provided a special multi-handicapped unit. For example, California started such a unit five years ago with an enrollment of 37, and this past year they had an enrollment of 113, with a waiting list of 43 for their multi-handicapped unit.

Chart C: Blind

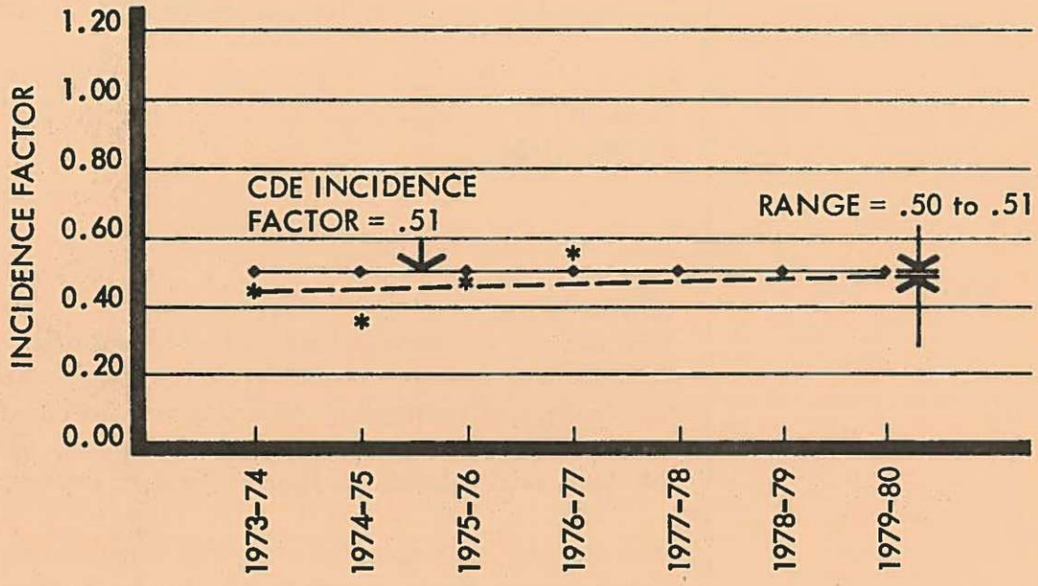
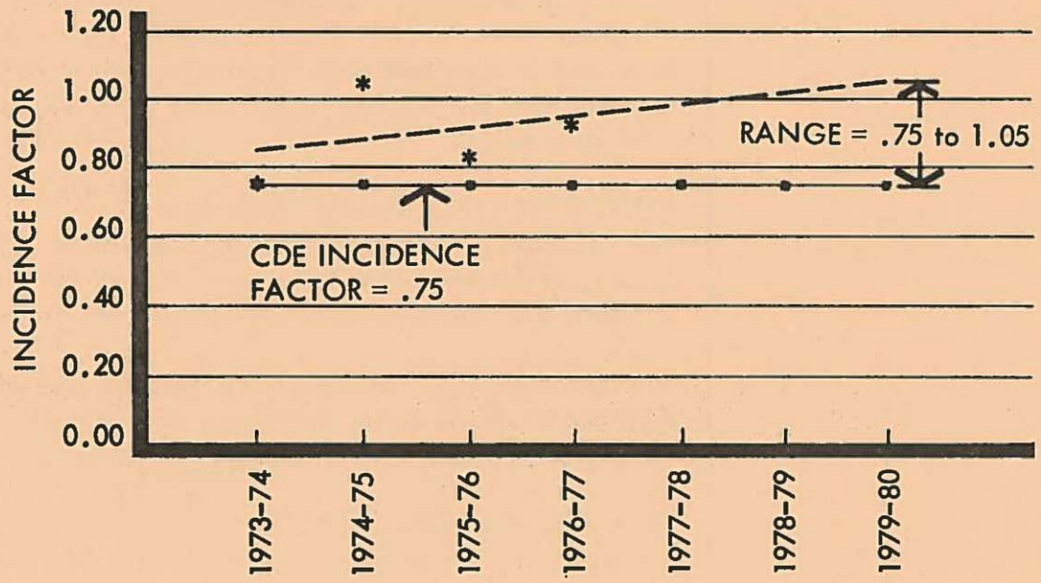


Chart D: Deaf



POPULATION/RACIAL CHARACTERISTICS

The School for the Deaf has 11 Blacks and 41 Chicanos out of an enrollment of 220. The School for the Blind has 6 Blacks and 13 Chicanos out of an enrollment of 63.

POPULATION/SOCIO-ECONOMIC CHARACTERISTICS

There are 15 students in the Blind School and 40 in the Deaf School whose parents are on welfare.

EDUCATION/LEARNING NEEDS

Deafness and blindness are educational handicaps. The deaf child is deficient specifically in language and communication. The blind child needs considerable help in developing skills necessary for conceptualization, orientation and mobility and finally, needs assistance in developing self-help skills. Children with either handicap require the services of trained teachers of the deaf or blind.

Both the deaf or blind school age child needs adequate total education. The educational program must focus on academic, vocational, physical education, athletic, and co-curricular programs. The student must be seen as a total child; not splintered

Many programs in the State fall short especially in the area of vocational training, co-curricular activity, orientation and mobility. The incidence of deafness and blindness are so low that it is difficult for many school districts to provide a comprehensive curricular and co-curricular program. Without numbers, it is impossible to appropriately place students according to chronological age, degree of loss and intelligence, etc.

EDUCATION/PROGRAMS AVAILABLE

The Colorado School for the Deaf and the Blind is the only consolidated educational facility in the State that is designed to meet the differential needs of the deaf, blind or multiply handicapped students in the State.

The larger metropolitan areas have itinerant and resource room programs for both the deaf and the blind child, but they are often unable to attend to the special needs of the profoundly deaf and the multiply handicapped.

EDUCATION/LEGAL ASPECTS

The mandatory education law, House Bill 1164, has made a significant impact on the population of the School for the Deaf and the Blind. Forty-two percent of the students who left the school in September 1975 are attending public school where in some cases they are being placed in classes with their hearing and sighted peers with little or no special programming. The roll of the School for the Deaf and Blind has been expanded to include serving the needs of the multiply handicapped student. The Colorado School for the Deaf and the Blind should continue to maintain a quality curricular and co-curricular program to meet the special needs of the total child.

Policies

ENROLLMENT

The Colorado School for the Deaf and the Blind accepts children between the ages of 5 and 18 whose hearing or vision is so impaired that they cannot progress satisfactorily in the public school system in their community. The State of Colorado funds the total program. Pupils from other states may be enrolled and are charged for the services on the basis of per capita cost of educating Colorado residents. This charge is ordinarily paid by the home state of non-resident pupils.

The regional Deaf/Blind program on the Colorado School for the Deaf and the Blind campus is an eight-state program and is supported by Federal Title VI-C Program on a 67% Federal and 33% State plan. The eight states participating are: Colorado, Utah, Kansas, Wyoming, North Dakota, South Dakota, New Mexico and Nebraska. Each state has their own evaluation team for selecting students for the program.

ACADEMIC PROGRAM/GENERAL CONTENT

"Fitting the method to the child, not the child to the method", is the policy adhered to by the Colorado School for the Deaf and the Blind.

Deaf students spend much of their time at an early age developing expertise in the area of language and speech development. As they develop their language skills and progress in their ability to communicate, total communication develops to the point where students become somewhat sophisticated with its use. Basic areas of math, social studies, language, reading and science are then introduced.

In the case of blind children, the totally blind children must be taught to read and write Braille as a mode of communication, while the partially sighted are taught to read books printed in large type. In addition, every effort is made to give the blind children concepts of the things they encounter in their daily living.

Multiply handicapped students served are those who have been diagnosed as having one or more learning disabilities. They are placed in smaller classes, making it possible to give each student more individual and remedial work in their problem area. The basic goal for these students is to bring them up to the point where they can be placed back in the regular academic classes with their deaf or blind peers.

Due to the implications of deafness, blindness and of the multi-handicapped, there are three distinct schools on the campus: The School for the Deaf; The School for the Blind; and the School for the Multi-Handicapped.

The academic programs of the schools parallel as closely as possible with those programs used in public schools that lead to high school diplomas. Both schools offer very strong vocational programs, physical education, athletics, counseling and extra-curricular activities. Additional emphasis is given to mobility and daily living skills in The School for the Blind. The educational program in The School for the Multi-Handicapped is designed to help those children with potential to learn the basic skills in gaining information and knowledge. The program in all three schools are designed to help the child to reach his potential

ACADEMIC PROGRAM/DIPLOMAS

Students completing the accredited high school programs are awarded a high school diploma upon graduation. Those unable to accomplish this goal are awarded Certificates of Achievement.

ACADEMIC PROGRAM/ORGANIZATIONAL STRUCTURE

The School for the Deaf is divided into the upper and lower school. Children from 5 years of age to 11 are included in the lower school. The program is centered around the individual's needs and is language oriented and utilizes total communication. The program focuses upon the whole child, which implies developing his total social, physical and mental potential. In the upper school, total communication is utilized. Students are programmed to satisfy State requirements for graduation in the areas of math, social studies, english, literature and science.

In the School for the Blind, K-6 grades are ungraded and are taught by four teachers in four separate rooms. Seventh and eighth grades constitute junior high, and the high school consists of the ninth through twelfth grades. The basic subjects in high school are English, mathematics, physical and social sciences, psychology, foreign languages, typing and dictation.

Programs in The School for the Multi-Handicapped are designed to help those children with potential learn the basic skills needed in gaining information and knowledge with much emphasis on self-help skills. The classes are much smaller. With the use of aides, much more individual attention could be given to the students.

All students are required to take physical education daily, which includes training in the therapy pool.

The Vocational Department offers the deaf students baking, power sewing, home economics, woodworking, auto body, business education, drafting, dry cleaning, graphic arts, and horticulture. Blind students are offered crafts, industrial arts, home economics, living skills and vocational survey programs.

Football, basketball, wrestling and track are offered to the deaf boys and some of the partially sighted blind boys. Wrestling is the only major sport offered to the blind boys although there is a special track program in which blind boys participate with students from other schools for the blind. Deaf girls and some of the partially sighted blind girls participate in basketball, volleyball and track.

A very strong music program is offered to all the blind students. The program has a therapeutic purpose and it provides an opportunity for a blind student to belong to an organization. Blind students are unable to belong to the various teams that participate in sports and the music program is a good substitute for these pupils.

ACADEMIC PROGRAM/CLASS SCHEDULE

The school day starts at 8:20 a.m. and ends at 3:00 p.m. for the lower school students and 3:50 for the upper school students. The school day consists of seven 45 minute periods with five minutes between for passing for the lower level and eight for the upper level. The noon hour is from 11:35 to 12:35.

ACADEMIC PROGRAM/ANNUAL SCHEDULE

Students go to school 36 weeks a year with a vacation at Thanksgiving, Christmas and Easter plus three 3-day weekends in which all students are required to go home. Students living within a 120-mile radius of the School or not over a three-hour bus ride are required to go home approximately every other weekend.

ACADEMIC PROGRAM/STUDENT LOAD

Most upper school students carry a three or four period academic load, plus a two or three period vocational block with one period of P.E. every day. All courses are scheduled on a semester basis.

COMMUNITY PROGRAMS

The Colorado School for the Deaf and Blind has a very close relationship with many community programs and organizations. Several of the deaf and the blind students attend classes in the public high schools or at El Paso Community College. The School holds Adult Basic Education classes for the deaf and the blind, and has several sign classes every year that are open to the public and to parents. The School takes part in many state and local in-service classes in related fields. The School receives volunteer help from people in the local colleges, service clubs, and many lay people.

Special recognition should be given to some of the many service clubs and organizations which assist the School. The Lions Dining and Social Hall was so named in recognition of the many projects which the Lions have supported. Examples include the Lions Camp at Woodland Park and the remodeling projects in the Social Hall. The Telephone Pioneers have worked closely with the School in developing the Audio Ball for the blind and they have provided the blind with a running track to be used in the physical education program. Many other service clubs and individuals provide service and money for various projects about the School.

The School offers diagnostic services to the local surrounding school districts and to many other districts across the State.

The School has many fine assemblies put on by musical groups from such places as the Air Force Academy, Ent Air Force Base, local high schools, and many volunteer professional musicians. The School has had many guest speakers including Air Force Academy personnel, firemen, policemen as well as high school students and local doctors. The School for the Blind had the privilege of having James Irwin, the astronaut, give a wonderful assembly for them.

FOOD SERVICE

Since 70 percent of the school population lives on campus and all of the students and many teachers eat the noon meal at the School, a large food service system is needed. This service is headed up by a full-time dietitian. Deaf students eat in the large Argo dining room and service is cafeteria style. The blind and the deaf/blind eat in the Lions Dining Hall. They are served family style. Teachers are allowed to buy lunch tickets and eat with the students if they prefer. The largest number served is at the noon meal because the day students and the teachers are added to the normal load of those living in residence. All the food is prepared in the large kitchen in Argo dining room and is carted over to the Lions dining hall.

HEALTH CARE

A full medical program is necessary due to so many of the students living on campus. A 16 bed infirmary is open 24 hours a day, and supervised by registered nurses. Pediatric Associates has furnished daily visitations and are suppotted by a large staff of consultants. The City/County Health Department also assists in the areas of vaccinations and testing. The School receives support and consultation from Pikes Peak Mental Health Center.

HOUSING

The deaf girls are housed in one dorm, the deaf boys in two dorms, the deaf multi-handicapped in one dorm, the blind girls in one dorm, blind boys in one and the deaf/blind are housed in the three deaf/blind units. The students leave the dormitories and go to their respective dining rooms for their meals.

All students living within the City limits of Colorado Springs are required to live at home.

Dormitory students living within a 120-mile radius of Colorado Springs or within a three-hour bus ride of Colorado Springs must go home on required "homecomings" which consist of nine weekends in addition to the normal holidays.

ATHLETICS

The School for the Deaf and Blind holds membership in the Colorado High School Activity Association and participates in the Black Forest League of Athletics in football, basketball, wrestling, volleyball and track. They have won many league and district trophies and for the past four or five years have had one or two state champions in wrestling. The deaf students participate annually with the New Mexico School for the Deaf in a basketball game alternating between Sante Fe and Colorado Springs. Many of the younger students participate in the City's Little America Leagues in football, and many of the multi-handicapped students participate in the Special Olympics.

AUTOMOBILES

Approximately 20 students, 16 years of age or older, are allowed to bring their automobiles to school, but are requested to park off campus because of a shortage of parking space.

The School owns two buses, one station wagon, three vans, two pickups, one dump truck, two mobility staff cars, one Plymouth staff car, one Gremlin staff car, and two tractors.

One bus and a couple of staff cars are parked in an old garage and the remaining fleet of vehicles is parked on the school parking lot.

The School has one full-time bus driver and maintenance mechanic. The recreation director is licensed to drive one of the buses. The various vans and station wagons are checked out to teachers to drive on field trips for the students. Two cars are old surplus vehicles which were reconditioned by the School and are now used by mobility teachers for local transportation.

Parking spaces on campus are at a premium and are on a first-come, first-served basis. Many cars are parked on City adjoining streets, creating traffic hazards. There is a critical need for a parking area for pick up and delivery of students by parents.

Enrollment

GENERAL

The student enrollment table that follows covers the range of years from 1964-1965 to 1984-1985. It should be noted that there is a steady growth in the total population with the exception of the four years starting in 1975 and ending in 1979 due to the initial impact of House Bill 1164. Forty-two percent of the students not returning in the fall of 1975 have enrolled in public school programs. By 1980, enrollment is expected to beat the level achieved before the impact of mandatory legislation. An approximate 15 percent increase is expected in the number of multi-handicapped students. These figures are based on the results of a survey made by sending questionnaires to 56 different state schools, from which 51 replies were returned. From this questionnaire, it was found that 33 states have mandatory legislation and 23 are in effect now. Many states indicated that for the first two or three years following the enactment of mandatory legislation, a decline in enrollment developed, but within five years, they were back up to normal with a 10 to 20 percent increase in multi-handicapped. This increase in multi-handicapped enrollment is attributable to several factors: more classifications of handicaps not previously classified; medical science keeping more infants alive, but with many side effects; local school programs unable to cope with the multi-handicapped children, and therefore, a transfer to the State school after a year or two of trial in local program.

There are two points of special note on the chart. First is the start of the deaf/blind program in the fall of 1970. This program was started through Title (VI-C) provided by the Bureau for Education of the Handicapped of the U.S. Office of Education. State and local participation for all eight states enrolling students is $2,000 for day students and $5,000 for residential students. The deaf/blind enrollment will be 50 by 1984-1985. The other point of interest is the number of identified deaf multi-handicapped students in the year 1975-1976. Approximately 30 percent of the deaf are multiply handicapped and a special multi-handicapped unit has been started this year with an enrollment of 25. In 1980, we expect half of the deaf population to be multi-handicapped. Our justification for this prediction is based on the replies from the questionnaire which stated that half the schools in states with mandatory legislation

had a change in the nature of their school population and 80 percent of these had an increase in multi-handicapped of from 10 to 20 percent.

We are basing our prediction of recovery in enrollment, after the initial impact of House Bill 1164, on the assumption that parents find after a year or two that aside from the convenience of hometown schooling, the local program does not have the breadth or quality of the State school and so they choose to send their child to the State school. We expect a greater increase in the number of deaf students compared to the blind because it is easier to integrate the younger blind students and because of the language barrier for deaf students.

Following the Student Enrollment Table are the following charts and tables:

a) Student Enrollment Chart - indicates in graph form the breakdown of enrollment projections by School.

b) Enrollment Projections by Class Level - indicates both the existing 1975 and the projected 1980 breakdown of enrollment by School and class level.

c) Contact Hour Computations - indicates the number of contract hours per week per student (number of periods per week each student is in a scheduled class), the total number of contact hours for each grade level and the total for each School.

d) Dormitory Enrollment Projections - indicates the existing and projected number of students requiring dormitory space. These enrollment figures are broken down by School, age group and sex.

e) Course Listing Tables - These tables list all the courses that are presently offered and all those planned for the 1980 enrollment level. The tables also list the number of contact hours per day, the number of days per week, and the number of contact hours per week for each course. The table also indicates the desired class size for each course.

f) Faculty Projections - projects faculty requirements for 1980.

g) Staff Projections - projects the number of staff that is required for 1980.

The information provided in the charts and tables is utilized later in the Master Plan Section of this report in scheduling the use of existing facilities and in planning for the construction of new facilities.

STUDENT ENROLLMENT TABLE

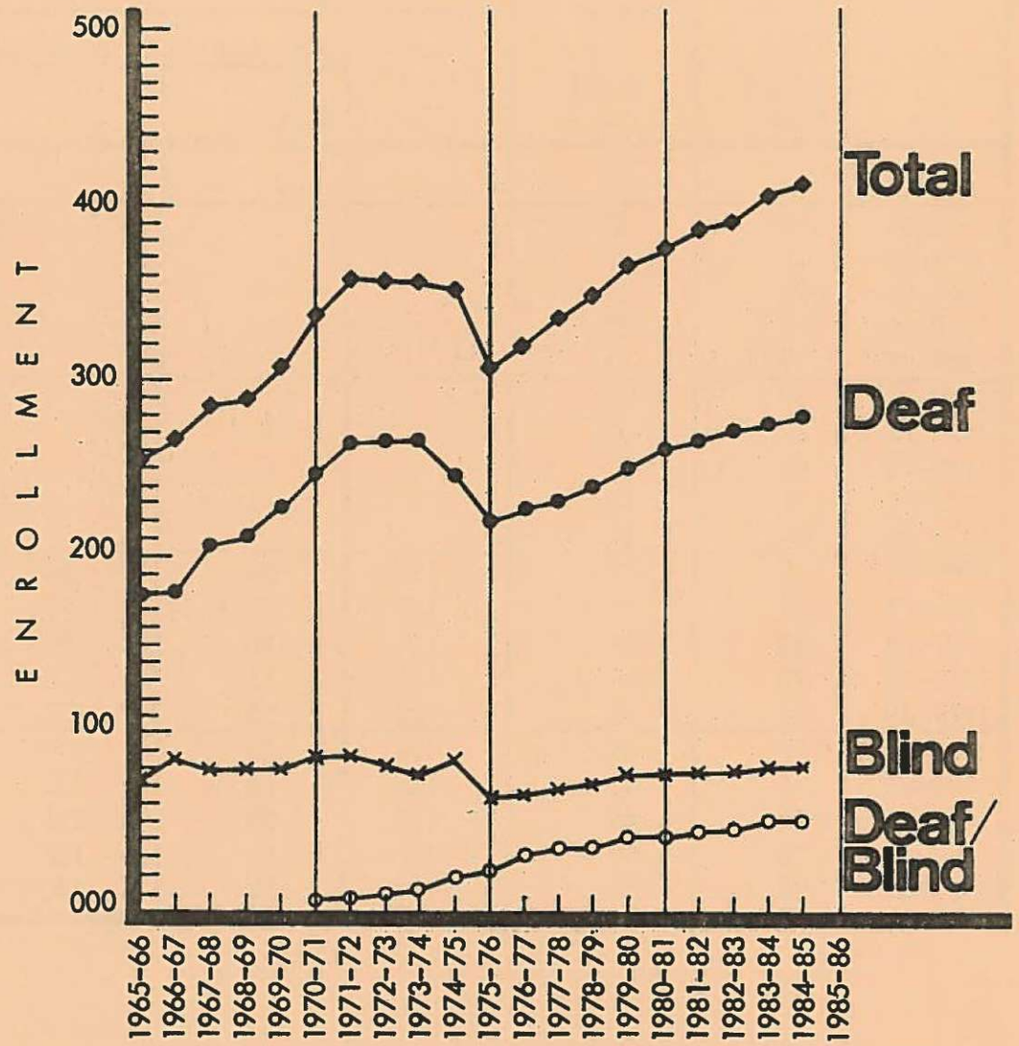
Year	Blind School Enroll.	Deaf/ Blind School Enroll. a)	Deaf School Enrollments				Total Enroll-ment
			Normal Deaf b)	No. Deaf M.H. Students % Subtotal	No. b)	Subtotal	
1964-65	77	0				165	242
1965-66	73	0				179	252
1966-67	85	0				180	265
1967-68	80	0				204	284
1968-69	80	0				210	290
1969-70	79	0				227	306
1970-71	87	6				245	338
1971-72	87	8				262	357
1972-73	83	10				265	358
1973-74	78	12				265	355
1974-75	86	19				245	350
1975-76	63	22	154	30	66	220 c)	305
1976-77	65	30	147	35	78	225	320
1977-78	68	35	138	40	92	230	333
1978-79	72	35	132	45	108	240	347
1979-80	75	40	125	50	125	250	365
1980-81	75	40	130	50	130	260	375
1981-82	76	45	132	50	133	265	386
1982-83	77	45	135	50	135	270	392
1983-84	78	50	137	50	138	275	403
1984-85	80	50	140	50	140	280	410

a) Deaf/Blind School enrollments are the total number students from the eight-state region. This program started in 1970.

b) No enrollment figures are available for the deaf M.H. students prior to 1975. The enrollment figures indicated for deaf M.H. students do not indicate the number of deaf M.H. students in the deaf M.H. unit. See the table titled "Enrollment Projections by Class Level" for enrollment in the M.H. unit and the normal Deaf School. Some deaf students classified as deaf M.H. will be taking classes with normal deaf students.

c) Five of the 220 students indicated are presently being processed and have not been included in tables that follow the Student Enrollment Table.

Student Enrollment Chart



ENROLLMENT PROJECTIONS BY CLASS LEVEL

CATEGORY	Existing 1975	Projected 1980
Deaf School		
Deaf		
Lower Level	70	70
Intermediate Level)		
Jr. High Level)		
Sr. High Level)	120	145
Deaf Subtotal	190	215
Deaf M.H. Unit	25	45
Deaf School Subtotal	215	260
Blind School		
Lower Level	31	30
Jr. High Level	12	15
Sr. High Level	20	30
Blind School Subtotal	63	75
Deaf/Blind School	22	40
Total	300	375

CONTACT HOUR COMPUTATIONS

CATEGORY	A No. Contact Hours Per Week Per Student	B 1975 Enrollment	C = A x B 1975 Total Contact Hours a)	D 1980 Enrollment	E = A x D 1980 Total Contact Hours a)
Deaf School					
Deaf					
Lower	5 x 7 = 35	70	2450	70	2450
Intermediate)					
Jr. High)					
Sr. High)	5 x 8 = 40	120	4800	145	5800
Deaf Subtotal		190		215	
Deaf M.H. Unit	5 x 8 = 40	25	1000	45	1800
Deaf School Subtotal		215		260	
Blind School					
Lower	5 x 7 = 35	31	1085	30	1050
Jr. High)		12		15	
Sr. High)	5 x 8 = 40	20	1280	30	1800
Blind School Subtotal		63		75	
Deaf/Blind School	5 x 5 = 25	22	550	40	1000
Total		300		375	

a) Note that the total contact hour computations may vary slightly from those indicated in the tables of course listings because not all students are required to take all courses assigned to their class level. For example, all students are required to take P.E. except seniors.

DORMITORY ENROLLMENT PROJECTIONS BY AGE GROUP AND SEX

CATEGORY	Existing 1975	Projected 1980
Deaf School		
Deaf		
Boys - Ages 5-11	23	15
Boys - Ages 11-18	52	40
Girls - Ages 5-11	16	15
Girls - Ages 11-18	36	28
Deaf Subtotal	127	98
Deaf M.H.		
Boys - Ages 5-11	3	15
Boys - Ages 11-18	8	40
Girls - Ages 5-11	3	15
Girls - Ages 11-18	5	27
Deaf M.H. Subtotal	19	97
Deaf School Subtotal	146	195
Blind School		
Boys - Ages 5-11	7	10
Boys - Ages 11-18	25	25
Girls - Ages 5-11	7	10
Girls - Ages 11-18	10	15
Blind School Subtotal	49	60
Deaf/Blind School		
Boys - Ages 5-11	8	10
Boys - Ages 11-18	4	10
Girls - Ages 5-11	5	8
Girls - Ages 11-18	2	8
Deaf/Blind School Subtotal	19	36
Total Dorm Enrollment	214	291

DEAF SCHOOL
LOWER LEVEL COURSE LISTINGS

LEVEL	A Number Contact Hrs/Da '75	A '80	B Number Days/ Week '75	B '80	C=AxB Number Contact Hrs/Wk '75	C '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
Preschool	6	6	5	5	30	30	6	3	90	6	180
Preparatory I	6	6	5	5	30	30	6	7	210	6	180
Preparatory II	6	6	5	5	30	30	6	6	180	6	180
Preparatory II	6	6	5	5	30	30	6	6	180	6	180
Preparatory III	6	6	5	5	30	30	6	7	210	6	180
Primary I	6	6	5	5	30	30	8	7	210	8	240
Primary II	6	6	5	5	30	30	8	9	270	8	240
Primary II	6	6	5	5	30	30	8	8	240	8	240
Primary III	6	6	5	5	30	30	8	9	270	8	240
Primary III	6	6	5	5	30	30	8	8	240	8	240
Physical Education I (4 Teachers - 6 Classes)	1	1	5	5	5	5	24	36	180	36	180
Physical Education II (4 Teachers - 4 Classes)	1	1	5	5	5	5	32	34	170	34	170
TOTAL CONTACT HOURS									2450		2450

DEAF SCHOOL
INTERMEDIATE AND JUNIOR HIGH LEVELS, ACADEMIC COURSE LISTINGS

SUBJECT AND NUMBER	A Number Contact Hrs/Da '75	A Number Contact Hrs/Da '80	B Number Days/Week '75	B Number Days/Week '80	C=AxB Number Contact Hrs/Wk '75	C=AxB Number Contact Hrs/Wk '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
Communications Skill (#1)	1	1	5	5	5	5	9	14	70	11	55
Communications Skill (#2)	1	1	5	5	5	5	9	14	70	11	55
Communications Skill (#3)	1	1	5	5	5	5	9	13	65	11	55
Communications Skill (#4)	1	1	5	5	5	5	9	12	60	11	55
Junior High 1A English	1	1	5	5	5	5	8	5	25	8	40
Junior High 1A Math	1	1	5	5	5	5	8	5	25	8	40
Junior High 1A Science	1	1	5	5	5	5	8	5	25	8	40
Junior High 1B English	1	1	5	5	5	5	7	8	40	10	50
Junior High 1B Math	1	1	5	5	5	5	7	8	40	10	50
Junior High 1B Science	1	1	5	5	5	5	7	8	40	10	50
Junior High 1C English	1	1	5	5	5	5	6	8	40	11	55
Junior High 1C Social Studies	1	1	5	5	5	5	6	8	40	11	55
Junior High 1C Math	1	1	5	5	5	5	6	8	40	11	55
Intermediate 2A English	1	1	5	5	5	5	8	6	30	8	40
Intermediate 2A Math	1	1	5	5	5	5	8	6	30	8	40
Intermediate 2A Social Studies	1	1	5	5	5	5	8	6	30	8	40
Intermediate 1A English	1	1	5	5	5	5	8	6	30	9	45
Intermediate 1A Social Studies	1	1	5	5	5	5	8	6	30	9	45
Intermediate 1A Math	1	1	5	5	5	5	8	6	30	9	45
Intermediate 1B English	1	1	5	5	5	5	7	8	40	11	55
Intermediate 1B Social Studies	1	1	5	5	5	5	7	8	40	11	55
Intermediate 1B Math	1	1	5	5	5	5	7	8	40	11	55
TOTAL CONTACT HOURS									880		1075

DEAF SCHOOL
SENIOR HIGH LEVEL, ACADEMIC COURSE LISTINGS

SUBJECT AND NUMBER	A Number Contact Hrs/Da '75	A Number Contact Hrs/Da '80	B Number Days/ Week '75	B Number Days/ Week '80	C=AxB Number Contact Hrs/Wk '75	C=AxB Number Contact Hrs/Wk '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
ENGLISH											
English 9 (Fr 3) 1000	1	1	5	5	5	5	6	7	35	9	45
English 9 (Fr 2) 1000	1	1	5	5	5	5	7	5	25	11	55
English 9 (Fr 1) 1010	1	1	5	5	5	5	9	9	45	10	50
English 10 (Soph 3) 1050	1	1	5	5	5	5	6	9	45	10	50
English 10 (Soph 2) 1070	1	1	5	5	5	5	8	11	55	8	40
English 10 (Soph 1) 1100	1	1	5	5	5	5	8	5	25	8	40
English 11 (Jr 2) 1100	1	1	5	5	5	5	7	7	35	8	40
English 11 (Jr 1) 1100	1	1	5	5	5	5	9	11	55	9	45
English 12 (Sr 2) 1150	1	1	5	5	5	5	7	10	50	10	50
Creative Writing 1170	0	1	0	5	0	5	6	0	0	6	30
LITERATURE											
Literature 9 1200	1	1	5	5	5	5	6	5	25	6	30
American 1250	0	1	0	5	0	5	6	0	0	6	30
English 1260	0	1	0	5	0	5	5	0	0	5	25
World 1270	1	1	5	5	5	5	5	4	20	5	25
SOCIAL STUDIES											
Civics 2000	1	1	5	5	5	5	8	10	50	8	40
American History 2200	1	1	5	5	5	5	7	5	25	7	35
Colorado History 2250	1	1	5	5	5	5	8	9	45	8	40
World 2340	1	1	5	5	5	5	6	3	15	6	30
Sociology 2500	1	1	5	5	5	5	7	11	55	8	40
Economics 2600	0	1	0	5	0	5	5	0	0	5	25
Psychology 2700	1	1	5	5	5	5	5	3	15	5	25
SCIENCE											
General (Fr 3) 3000	1	1	5	5	5	5	6	7	35	10	50
General (Fr 2) 3000	1	1	5	5	5	5	7	5	25	11	55
General (Fr 1) 3000	1	1	5	5	5	5	9	9	45	9	45
Biology 3200	1	1	5	5	5	5	6	9	45	8	40
Physiology 3280	1	1	5	5	5	5	7	11	55	8	40

DEAF SCHOOL
SENIOR HIGH LEVEL, ACADEMIC COURSE LISTINGS (continued)

SUBJECT AND NUMBER	A Number Contact Hrs/Da '75	A Number Contact Hrs/Da '80	B Number Days/ Week '75	B Number Days/ Week '80	C=AxB Number Contact Hrs/Wk '75	C=AxB Number Contact Hrs/Wk '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
Chemistry (Soph 1) 3300	1	1	5	5	5	5	8	5	25	8	40
Chemistry (Jr 1) 3300	1	1	5	5	5	5	8	11	55	8	40
Earth Science 3510	1	1	5	5	5	5	5	3	15	5	25
MATH											
Algebra I (Jr 1) 4100	1	1	5	5	5	5	8	11	55	8	40
Algebra I (Soph 1) 4100	1	1	5	5	5	5	6	6	30	6	30
Algebra II 4140	1	1	5	5	5	5	5	4	20	5	25
Plane Geometry 4200	0	1	0	5	0	5	5	0	0	5	25
Solid Geometry 4240	0	1	0	5	0	5	7	0	0	7	35
Arithmetic (Fr 3) 4690	1	1	5	5	5	5	6	7	35	10	50
Arithmetic (Soph 3) 4690	1	0	5	0	5	0	7	9	45	0	0
Basic Math (Fr 2) 4600	1	1	5	5	5	5	6	5	25	11	55
Basic Math (Fr 1) 4600	1	1	5	5	5	5	8	9	45	8	40
Basic Math (Soph 2) 4600	1	1	5	5	5	5	7	11	55	9	45
BUSINESS EDUCATION											
General 6000	1	0	5	0	5	0	6	10	50	6	30
Drivers Education (#1) 7720	1	1	5	5	5	5	9	10	50	12	60
Drivers Education (#2) 7720	1	1	5	5	5	5	9	10	50	12	60
Communications Skill (#1)	1	1	5	5	5	5	9	12	60	11	55
Communications Skill (#2)	1	1	5	5	5	5	9	14	70	11	55
Communications Skill (#3)	1	1	5	5	5	5	9	11	55	11	55
TOTAL CONTACT HOURS									1565		1785

DEAF SCHOOL
INTERMEDIATE, JUNIOR HIGH AND SENIOR HIGH LEVELS, VOCATIONAL COURSE LISTINGS

SUBJECT AND NUMBERS	A Number Contact Hrs/Da '75	A Number Contact Hrs/Da '80	B Number Days/ Week '75	B Number Days/ Week '80	C=AxB Number Contact Hrs/Wk '75	C=AxB Number Contact Hrs/Wk '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
Auto Body 9010	3	3	5	5	15	15	6	6	90	7	105
Auto Body 9010	3	3	5	5	15	15	6	4	60	6	90
Baking 9010	3	3	5	5	15	15	6	7	105	6	90
Business 9990	3	3	5	5	15	15	8	6	90	8	120
Business 9990	3	3	5	5	15	15	8	7	105	8	120
Drafting 9010	3	3	5	5	15	15	8	8	120	8	120
Drafting 9010	3	3	5	5	15	15	5	5	75	5	75
Dry Cleaning 9690	3	3	5	5	15	15	5	5	75	5	75
Dry Cleaning 9690	3	3	5	5	15	15	5	5	75	5	75
Horticulture 9100	3	3	5	5	15	15	6	3	45	6	90
Horticulture 9100	3	3	5	5	15	15	6	6	90	6	90
Home Economics (cooking) 8820	3	3	5	5	15	15	6	6	90	6	90
Home Economics (cooking) 8820	3	3	5	5	15	15	6	6	90	6	90
Home Economics (sewing) 9990	3	3	5	5	15	15	6	4	60	6	90
Home Economics (sewing) 9990	3	3	5	5	15	15	6	4	60	6	90
Woodwork 9010	3	3	5	5	15	15	6	7	105	6	90
Woodwork 9010	3	3	5	5	15	15	6	5	75	6	90
Printing 9010	3	3	5	5	15	15	6	6	90	6	90
Printing 9010	3	3	5	5	15	15	6	6	90	6	90
Photography 9010	3	3	5	5	15	15	6	6	90	6	90
Photography 9010	3	3	5	5	15	15	6	6	90	6	90

DEAF SCHOOL
INTERMEDIATE, JUNIOR HIGH AND SENIOR HIGH LEVELS, VOCATIONAL COURSE LISTINGS (con't)

SUBJECT AND NUMBERS	A Number Contact Hrs/Da '75	A Number Contact Hrs/Da '80	B Number Days/ Week '75	B Number Days/ Week '80	C=AxB Number Contact Hrs/Wk '75	C=AxB Number Contact Hrs/Wk '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
Crafts (Elem) 7100		1		5		5	8			11	55
Crafts 7100		1		5		5	8			11	55
Crafts 7100		1		5		5	8			11	55
Art (Secondary) 7000		1		5		5	6			6	30
Art 7000		1		5		5	6			6	30
Art 7000		1		5		5	6			6	30
Career Education 8500		3		5		15	4		—	4	60
Vocational Counselor/Work Study*											
TOTAL CONTACT HOURS									1770		2190

*Requires Office and Meeting Space

DEAF SCHOOL
INTERMEDIATE, JUNIOR HIGH AND SENIOR HIGH LEVELS, PHYSICAL EDUCATION

SUBJECT AND NUMBER	A Number Contact Hrs/Da '75	A Number Contact Hrs/Da '80	B Number Days/Week '75	B Number Days/Week '80	C=AxB Number Contact Hrs/Wk '75	C=AxB Number Contact Hrs/Wk '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
Intermediate Physical Education) Junior High Physical Education)	1	1	5	5	5	5	15	59[a]	295	67[b]	390
Senior High Physical Education	1	1	5	5	5	5	15	51[a]	255	78[b]	335
TOTAL CONTACT HOURS									550		725

a) Not all students are required to take physical education. The junior high - intermediate physical education requires 4 teaching stations and the senior high physical education requires 3 teaching stations.

b) Each class requires 5 teaching stations.

DEAF SCHOOL
DEAF MULTIPLY HANDICAPPED UNIT LISTINGS

SUBJECT AND NUMBER	A Number Contact Hrs/Da '75	A Number Contact Hrs/Da '80	B Number Days/ Week '75	B Number Days/ Week '80	C=AxB Number Contact Hrs/Wk '75	C=AxB Number Contact Hrs/Wk '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
Class 1	7	7	5	5	35	35	5 a)	5	175	5	175
Class 2	7	7	5	5	35	35	5	5	175	5	175
Class 3	7	7	5	5	35	35	5	5	175	5	175
Class 4	7	7	5	5	35	35	5	5	175	5	175
Class 5	7	7	5	5	35	35	5	5	175	5	175
Class 6		7		5		35	5			5	175
Class 7		7		5		35	5			5	175
Class 8		7		5		35	5			5	175
Class 9		7		5		35	5			5	175
Physical Education 1	1	1	5	5	5	5	15	25 b)	125	25 b)	125
Physical Education 2		1		5		5				20 b)	100
TOTAL CONTACT HOURS									1000		1800

a) The desired class size of 5 students assumes that there is 1 teacher and 1 aide per class.

b) Each physical education class requires 2 teaching stations.

BLIND SCHOOL
LOWER LEVEL COURSE LISTINGS

SUBJECT AND NUMBERS	A Number Contact Hrs/Da '75	A Number Contact Hrs/Da '80	B Number Days/Week '75	B Number Days/Week '80	C=AxB Number Contact Hrs/Wk '75	C=AxB Number Contact Hrs/Wk '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
Intermediate II	4	4	5	5	20	20	8	7	140	8	160
Intermediate Typing	1	1	5	5	5	5	8	8	40	8	40
Intermediate I	6	6	5	5	30	30	8	8	240	7	210
Elementary II	6	6	5	5	30	30	8	7	210	7	210
Elementary I	6	6	5	5	30	30	8	9	240	6	180
Special Education	6	6	5	5	30	30	5	2	60	4	120
Physical Education Elementary	1	1	5	5	5	5	15	15	75	14*	70
Physical Education Intermediate	1	1	5	5	5	5	15	16	80	16*	80
TOTAL CONTACT HOURS									1085		1070

*Each class represents two teaching stations.

BLIND SCHOOL
JUNIOR HIGH LEVEL ACADEMIC COURSE LISTINGS

SUBJECT AND NUMBER	A Number Contact Hrs/Da '75	A Number Contact Hrs/Da '80	B Number Days/ Week '75	B Number Days/ Week '80	C=AxB Number Contact Hrs/Wk '75	C=AxB Number Contact Hrs/Wk '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
Reading and Science 7	1	1	5	5	5	5	8	4	20	6	30
Reading and Science 8	1	1	5	5	5	5	8	4	20	9	45
Math 7	1	1	5	5	5	5	6	4	20	6	30
Math 8	1	1	5	5	5	5	6	4	20	9	45
English 7	1	1	5	5	5	5	8	3	15	6	30
English 8	1	1	5	5	5	5	8	4	20	9	45
Typing 7	1	1	5	5	5	5	8	4	20	6	30
Typing 8	1	1	5	5	5	5	8	7	35	9	45
TOTAL CONTACT HOURS									170		300

BLIND SCHOOL
JUNIOR HIGH AND SENIOR HIGH LEVELS, PHYSICAL EDUCATION

SUBJECT AND NUMBER	A Number Contact Hrs/Da '75	A Number Contact Hrs/Da '80	B Number Days/ Week '75	B Number Days/ Week '80	C=AxB Number Contact Hrs/Wk '75	C=AxB Number Contact Hrs/Wk '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
Advanced Physical Education	1	1	5	5	5	5	30	32*	160	42*	210

*This class size requires 3 teaching stations.

BLIND SCHOOL
JUNIOR AND SENIOR HIGH LEVELS, VOCATIONAL COURSE LISTING

SUBJECT AND NUMBER	A Number Contact Hrs/Da '75	A Number Contact Hrs/Da '80	B Number Days/Week '75	B Number Days/Week '80	C=AxB Number Contact Hrs/Wk '75	C=AxB Number Contact Hrs/Wk '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
General Shop 8000	3	3	5	5	15	15	6	7	105	8	120
Crafts 8001	2	2	5	5	10	10	6	6	60	7	70
Home Economics a) 8800	3	3	5	5	15	15	2	2	30	3	45
Living Skill b) Experience Area 8900							6				
Crafts 8002	2	2	5	5	10	10	6	6	60	5	50
Crafts - Intermediate I	1	1	5	5	5	5	6	8	40	8	40
Crafts - Intermediate II	1	1	5	5	5	5	6	7	35	8	40
General Shop 8000	1	1	5	5	5	5	6	7	35	8	40
Shop 8	1	1	5	5	5	5	6	4	20	9	45
Shop 7	2	3	5	5	10	10	6	7	70	6	60
Home Economics 7	2	3	5	5	10	10	2	2	20	2	20
Baking 9010	3	3	5	5	15	15	6	6	90	6	90
Career Education c) 8500		3		5		15	4			4	60
TOTAL CONTACT HOURS									565		680

a) Presently, Home Economic classes are held in the Vocational Cottage because there is not enough room in the Vocational Building for Deaf Classes and Blind Classes.

b) This subject is offered outside the normal 8-period schedule.

c) Presently, students are taken from normal classes for counseling.

BLIND SCHOOL
SENIOR HIGH LEVEL ACADEMIC COURSE LISTINGS

SUBJECT AND NUMBER*	A Number Contact Hrs/Da '75	A Number Contact Hrs/Da '80	B Number Days/ Week '75	B Number Days/ Week '80	C=AxB Number Contact Hrs/Wk '75	C=AxB Number Contact Hrs/Wk '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
LANGUAGE ARTS											
English 9 1000	1	1	5	5	5	5	8	5	25	8	40
English 10 1050	1	1	5	5	5	5	8	4	20	8	40
English 11 1100			5				8				
English 12 1150	1	1	5	5	5	5	8	9	45	12	60
Creative Writing 1170			5				6				
LITERATURE											
Literature 9 1200		1	5	5		5	8			8	40
American 1250			5			5	8				
English 1260			5				8				
SOCIAL STUDIES											
World History 2340		1	5	5		5	12			12	70
American Government 2050	1		5		5		12	10	50		
U. S. History 2200	1	1	5	5	5	5	12	4	20	9	45
Sociology 2500	1	1	5	5	5	5	12	6	30	8	40
Psychology 2700	1	1	5	5	5	5	12	5	25	9	45
SCIENCE											
General 3000		1	5	5		5	10			5	25
Biology 3200			5				10				
Physics 3400			5				8				
Earth 3510	1				5		10	4	20		
MATHEMATICS											
General 4000	1	1	5	5	5	5	8	8	40	8	40
Algebra I 4100	1		5		5		6	3	15		
Algebra II 4150			5				4				
Geometry 4200		1	5	5		5	6			4	20
Practical 4050	1		5		5		6	6	30		

BLIND SCHOOL
SENIOR HIGH LEVEL ACADEMIC COURSE LISTINGS (continued)

SUBJECT AND NUMBER*	A Number Contact Hrs/Da '75	A Number Contact Hrs/Da '80	B Number Days/Week '75	B Number Days/Week '80	C=AxB Number Contact Hrs/Wk '75	C=AxB Number Contact Hrs/Wk '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
BUSINESS EDUCATION											
Typing 6400	1	1	5	5	5	5	10	5	25	12	60
Transcription 6520	1	1	5	5	5	5	6	8	40	11	55
General Business 6000		1	5	5		5	8			8	40
Typing 6400	1	1	5		5		10	8	40		
TOTAL CONTACT HOURS									425		620

*All subjects listed are offered but not all are available each year.

DEAF/BLIND SCHOOL

SUBJECT AND NUMBER	A Number Contact Hrs/Da '75	A Number Contact Hrs/Da '80	B Number Days/ Week '75	B Number Days/ Week '80	C=AxB Number Contact Hrs/Wk '75	C=AxB Number Contact Hrs/Wk '80	D Desired Class Size	E Class Size 1975	F=CxE Total Contact Hours 1975	G Class Size 1980	H=CxG Total Contact Hours 1980
Class 1	5	5	5	5	25	25	4	4	100	4	100
Class 2	5	5	5	5	25	25	4	4	100	4	100
Class 3	5	5	5	5	25	25	4	4	100	4	100
Class 4	5	5	5	5	25	25	4	5	125	4	100
Class 5	5	5	5	5	25	25	4	5	125	4	100
Class 6		5		5		25				4	100
Class 7		5		5		25				4	100
Class 8		5		5		25				4	100
Class 9		5		5		25				4	100
Class 10		5		5		25				4	100
TOTAL CONTACT HOURS									550		1000

FACULTY PROJECTIONS

CATEGORY	EXISTING 1975	PROJECTED 1980
Academic Deaf School		
Principal	1	1
Supervising Teachers	2	2
Teachers	23	23
Deaf M.H. Unit		
Supervising Teachers	1	1
Teachers	5	10
Aides	2	10
Blind School		
Principal	1	1
Teachers	11	11
Aides	0	2
Deaf/Blind School		
Principal	1*	1
Supervising Teachers	1	1
Teachers	5	10
Aides	4	10
Vocational Department		
Supervisor	1	1
Teachers	14	19
Support Services		
Librarian	1	1
Librarian's Aide	0	1
Media Specialist	0	1
Audiologist	1	1
Counselor	2	2
Social Worker	2	2
Psychomitrist	1	1
Subtotal	7	9
TOTAL FACULTY	79	112

*Also serves as principal of Deaf M.H. Unit

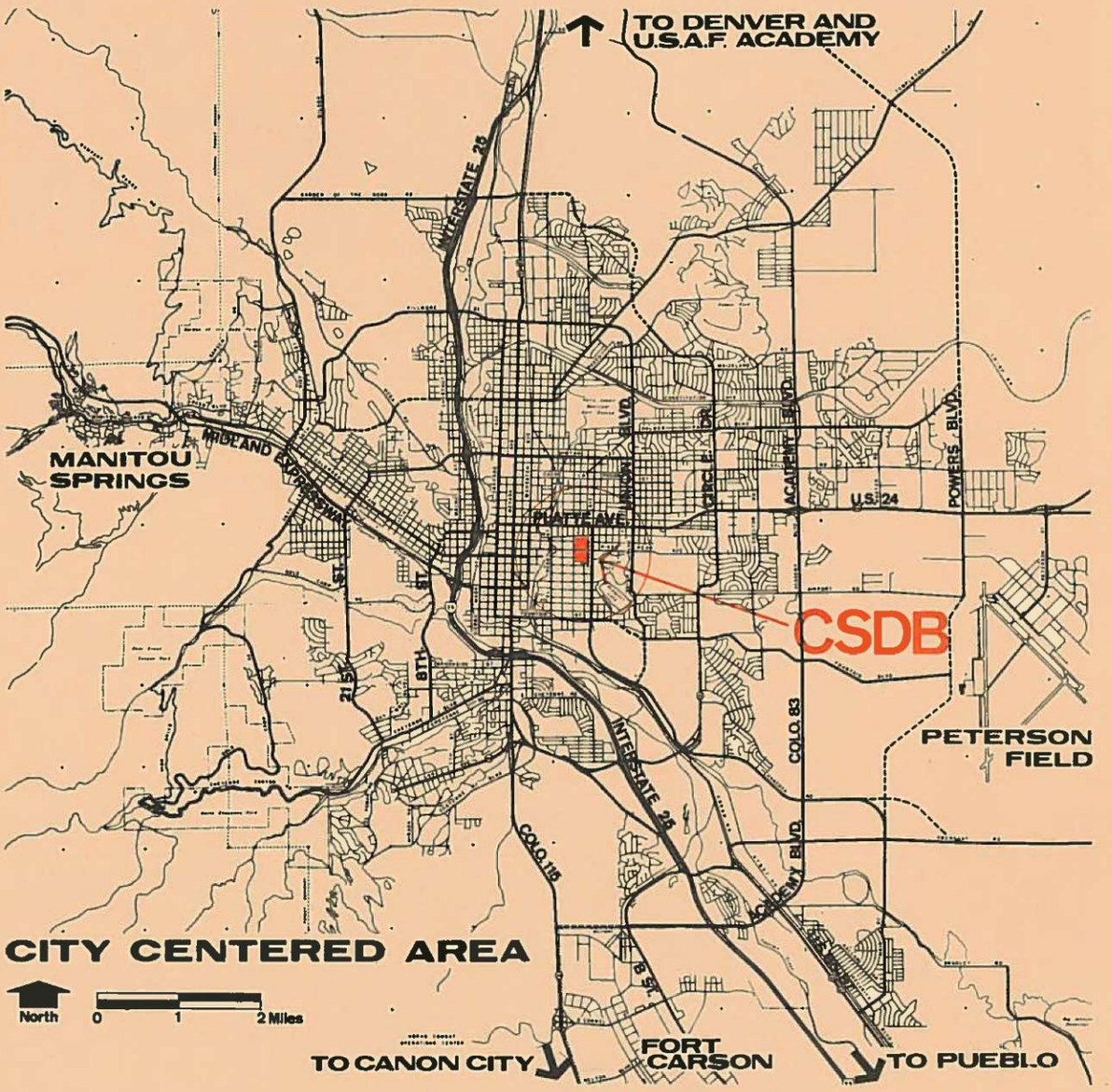
STAFF PROJECTIONS

CATEGORY	EXISTING 1975	PROJECTED 1980
Superintendent	1	1
Business Manager	1	1
Dean of Students	1	1
Recreational Director	1	1
Principal Resident Supervisors	3	3
Counselors for the Blind	7	7
Counselors for the Deaf	25	25
Deaf/Blind Dorm Supervisors	2	2
Deaf/Blind Program Aides	18	40
Administrative Office Typists and Clerks	6	6
Business Office Typists and Clerks	6	6
Building and Grounds Staff	22	24
Food Service Department Staff	18	18
Infirmary Nurses	5	5
Infirmary Aides	0	1
Laundry Staff	5	5
M.H. Unit Counselors	6	15
TOTAL	127	161

facilities inventory/2

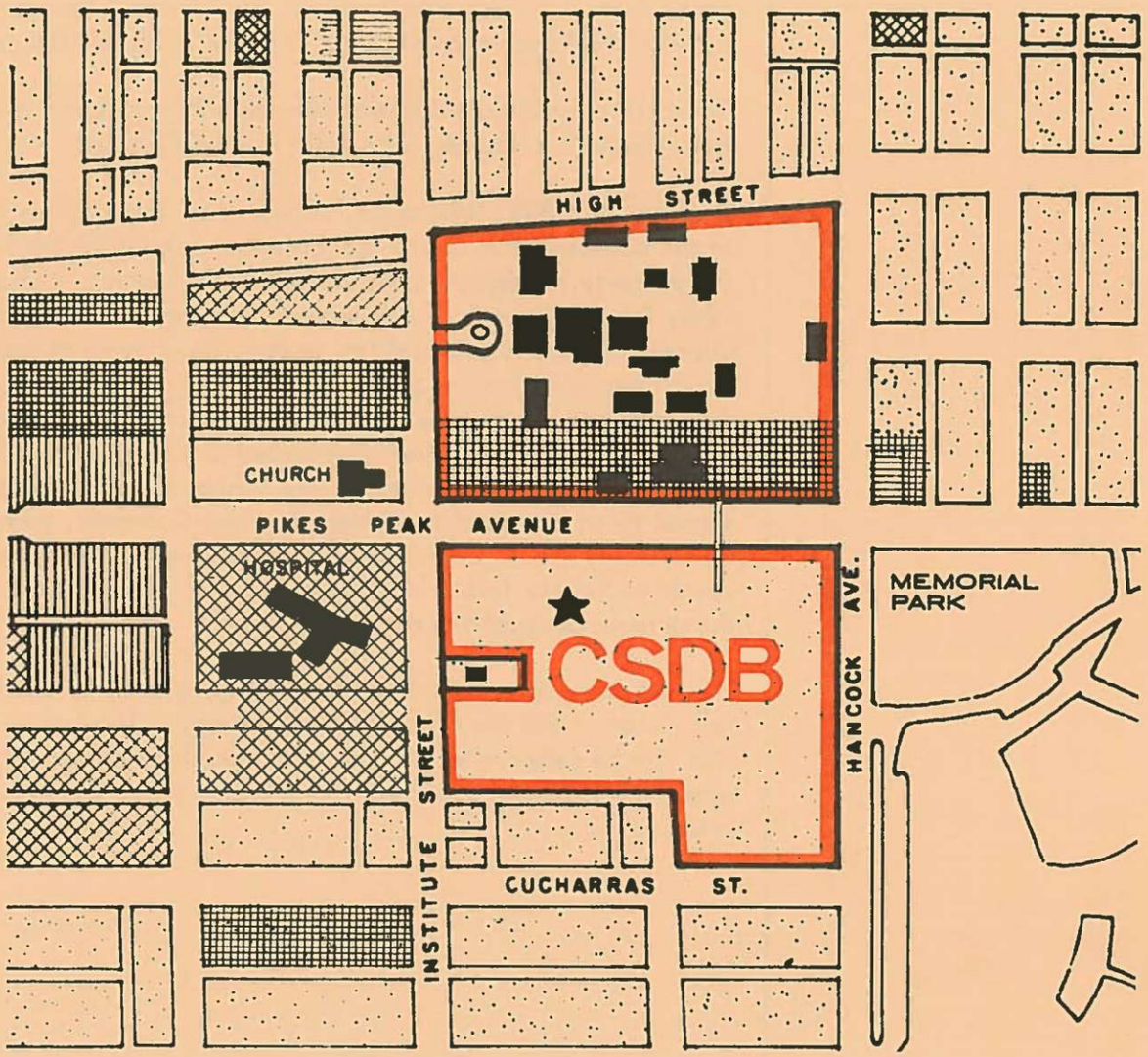
Site Location

The Colorado School for the Deaf and the Blind is located immediately off Pikes Peak Avenue, a major thoroughfare leading directly to the downtown area. One block north of the north property boundary of the School is Platte Avenue which is a major east-west artery known as U.S. 24. The Colorado Springs Transit System provides bus routes down Pikes Peak Avenue as well as Boulder Street, the street immediately north of Platte Avenue.



Zoning & Environs

The following map indicates that for the most part the area surrounding the School properties is zoned two family residential or eight family residential. Immanuel Lutheran Church and St. Francis Hospital are located on either side of Pikes Peak Avenue west of the School. Memorial Park, a City park, is located east across Hancock Avenue from the south campus.



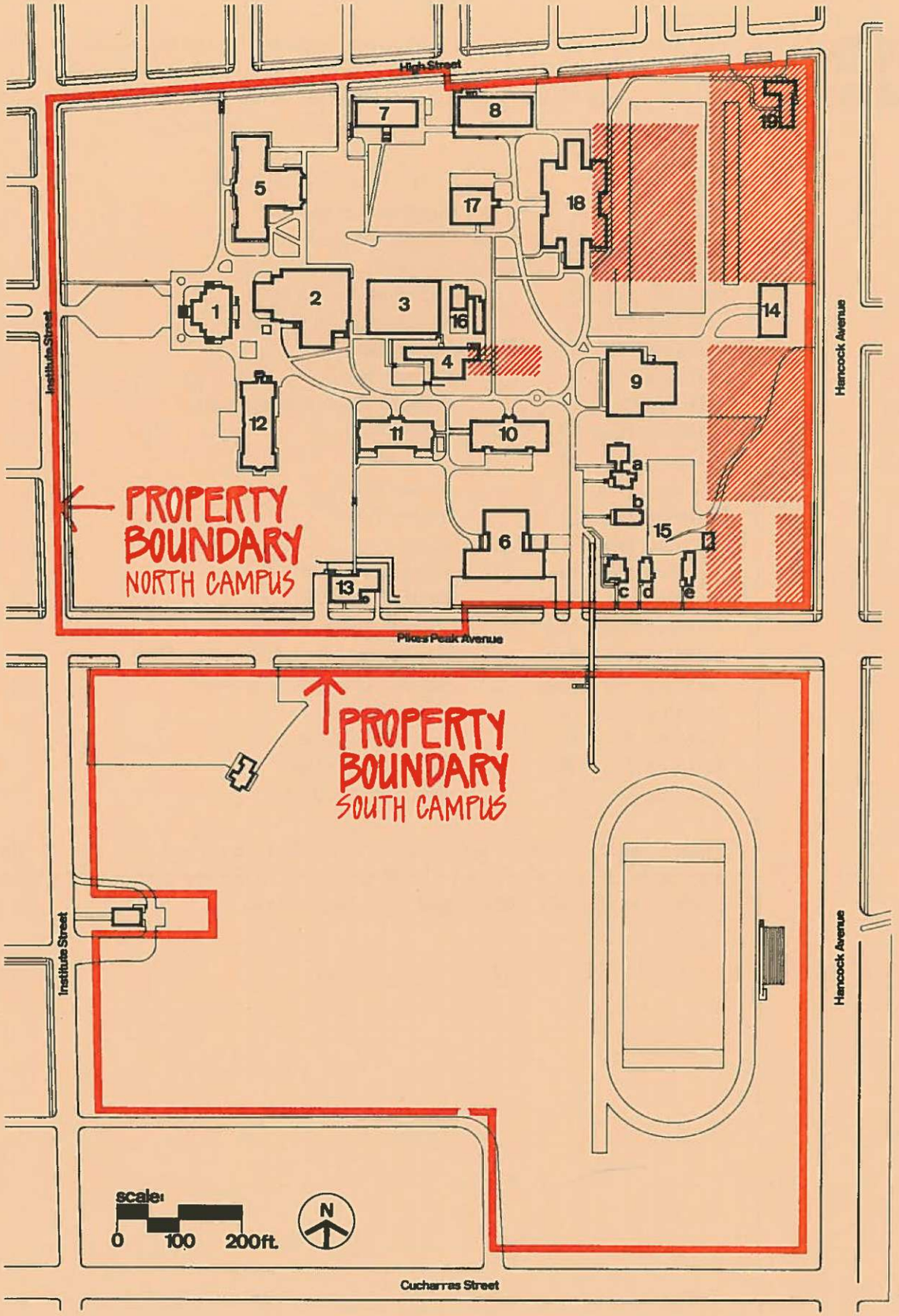
Boundaries & Restrictions

The drawing on the following page indicates the property boundaries of the north and south campus of The Colorado School for the Deaf and the Blind. These boundaries have been derived from a combination of two documents. The first document is a survey prepared by George L. Williams, Professional Engineer, in June of 1974. This survey indicated that a portion of the land containing the steam plant located in the southwest corner of the north campus was not part of the School's property. On May 7, 1975, a Quit Claim Deed was obtained from the Colorado Springs Company for the area of land in question, thus incorporating it into the north campus property boundary.

The north campus contains approximately 24-1/2 acres and the south campus contains approximately 21 acres, for a total of 45-1/2 acres.

On May 20, 1903, William J. Palmer gave the property indicated with hatched lines on the adjacent drawing to The Colorado School for the Deaf and the Blind. The use of this property is subject to the following restrictions: "That such lots are hereby conveyed solely for the purpose of furnishing the students of said School with a playground, and whenever in the future said lots or any one or more of them shall without the consent of the Grantor or his heirs cease to be used as a playground, then and in that case they shall one and all at once revert to and become the property of the Grantor herein or his heirs. And it is further covenanted and agreed; that if in future years it should be thought wise by the Trustees of said School to sell the present location and remove said School to another part of El Paso County, Colorado, permission is hereby given to sell all said lots above described, provided the proceeds of the sale of said lots are reinvested in land or lots of not less area, adjoining the site secured for said School, for the purpose as specified above".

To the knowledge of the School officials, this condition represents the only major legal restriction in the use of the School property. The School officials feel that the restriction can be removed in the future by developing land on the south campus and land where the industrial building and the greenhouse are located into outdoor play/recreation areas.


High Street
Institute Street
Hancock Avenue
Pikes Peak Avenue
PROPERTY BOUNDARY
NORTH CAMPUS
PROPERTY BOUNDARY
SOUTH CAMPUS
Cucharras Street
scale:
0 100 200ft.
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a
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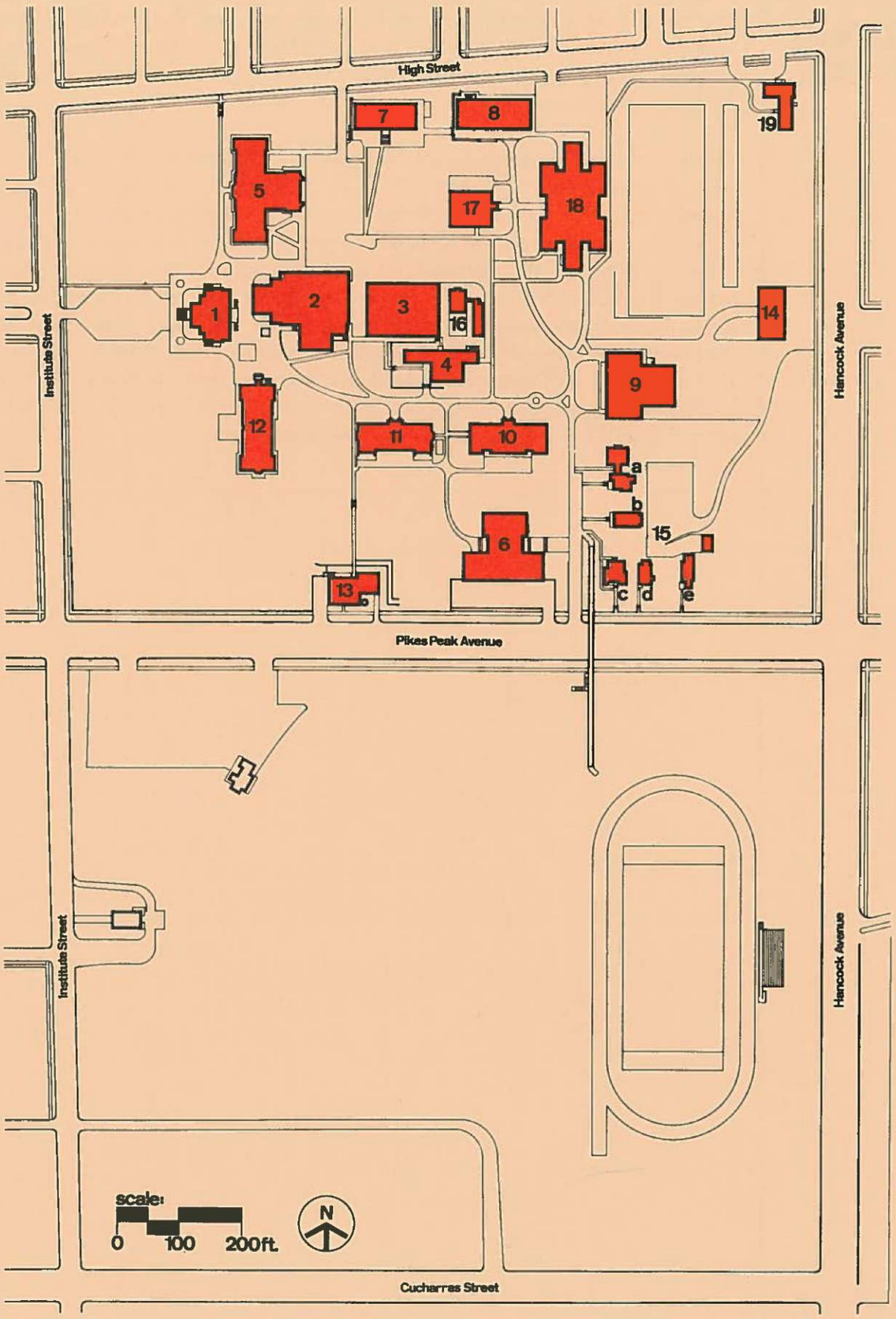
Building Locations

The campus drawing on the following page indicates the location of the existing buildings on campus. The key numbers on the plan indicate the building numbers that have been assigned to these existing facilities. The building numbers, their associated building names and their construction dates are listed below:

Building No. 1	Administrative Building	1906
Building No. 2	Argo Building	1923
Building No. 3	Industrial Building	1907
Building No. 4	Infirmary	1957
Building No. 5	Gottlieb Building	1952
Building No. 6	Vocational Building	1966
Building No. 7	Jones Hall	1911
Building No. 8	Palmer Hall	1918
Building No. 9	Hubert Work Gymnasium	1922
Building No. 10	Ritter Hall	1926
Building No. 11	West Hall	1931
Building No. 12	Brown Hall	1941
Building No. 13	Steam Plant	1926
Building No. 14	Barn	1910
Building No. 15a	Deaf/Blind Unit 2	Not Available
Building No. 15b	Deaf/Blind Unit 3	Not Available
Building No. 15c	Vocational Cottage	Not Available
Building No. 15d	Vocational Rehabilitation Unit	Not Available
Building No. 15e	Rental Cottage w/garage	Not Available
Building No. 16	Greenhouse	Not Available
Building No. 17	Lions Building	1968
Building No. 18	Adams Building	1968
Building No. 19	Deaf/Blind Unit 1	1974

Several small portable buildings are located near the south end of the running track on the south campus and have not been included on the campus drawings. They include a small storage shed and several portable toilets.


High Street
Institute Street
Hancock Avenue
Pikes Peak Avenue
Cucharras Street
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scale:
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100
200ft.
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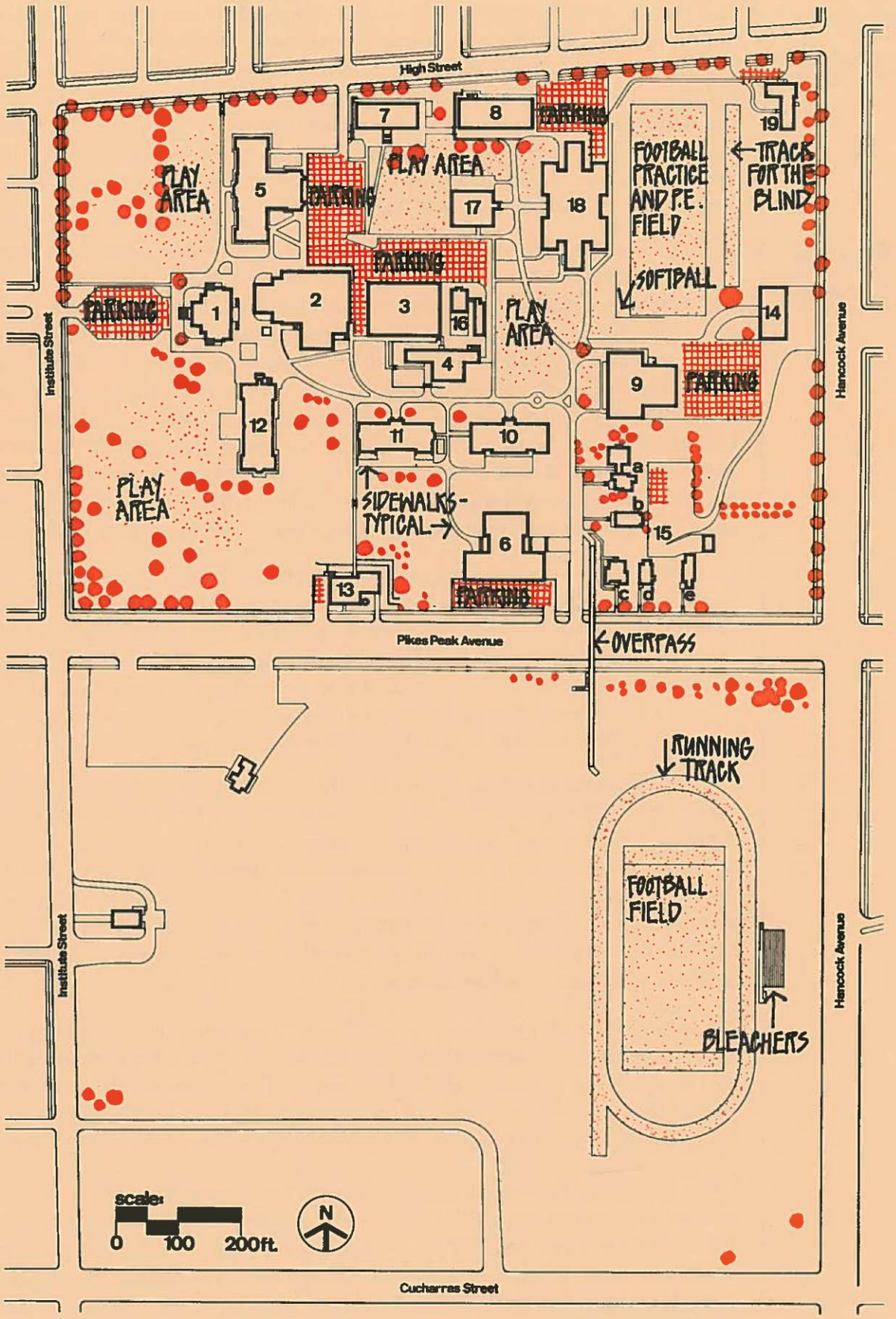
Campus Development

The campus drawing on the following page indicates the location of existing roads and parking facilities; the sidewalks and pedestrian overpass of Pikes Peak Avenue; the location of the major tree groupings; and the location of the outdoor physical education, athletic and recreational facilities.

Because of the limited scope of this master plan update, the locations of all existing underground utility lines have not been updated or included in this inventory. To the knowledge of the School officials, the existing utility locations will probably represent no strong influence on the location of future campus development. During the program planning phase of each project, it is recommended that a detailed analysis of the utility situation be made. In the cost estimates that are included as a part of the master plan, it has been assumed no major difficulties will arise with the existing utility system that would substantially affect the cost of each of the projects. It has also been assumed that each new building constructed will have its own heating plant although, as existing buildings are demolished, demand on the existing boilers will be reduced and additional capacity will become available for new buildings.


High Street
Institute Street
Hancock Avenue
Pikes Peak Avenue
Cucharras Street
PLAY AREA
PARKING
FOOTBALL PRACTICE AND P.E. FIELD
TRACK FOR THE BLIND
SOFTBALL
SIDEWALKS - TYPICAL
OVERPASS
RUNNING TRACK
FOOTBALL FIELD
BLEACHERS
scale:
0 100 200ft.
N

Topography & Drainage

Due to the limited scope of this master plan update, no attempt has been made to update the topographical survey to reflect the changes that have taken place over the past eight years as the result of construction of four new buildings, one major addition to an existing building, the addition of a pedestrian overpass of Pikes Peak Avenue, and the construction of the football field and running track on the south campus. Instead, the following diagrammatic site plan has been included and indicates the major surface drainage patterns as well as the major areas where existing topography could place constraints on the placement of new facilities.

Subsurface Soils

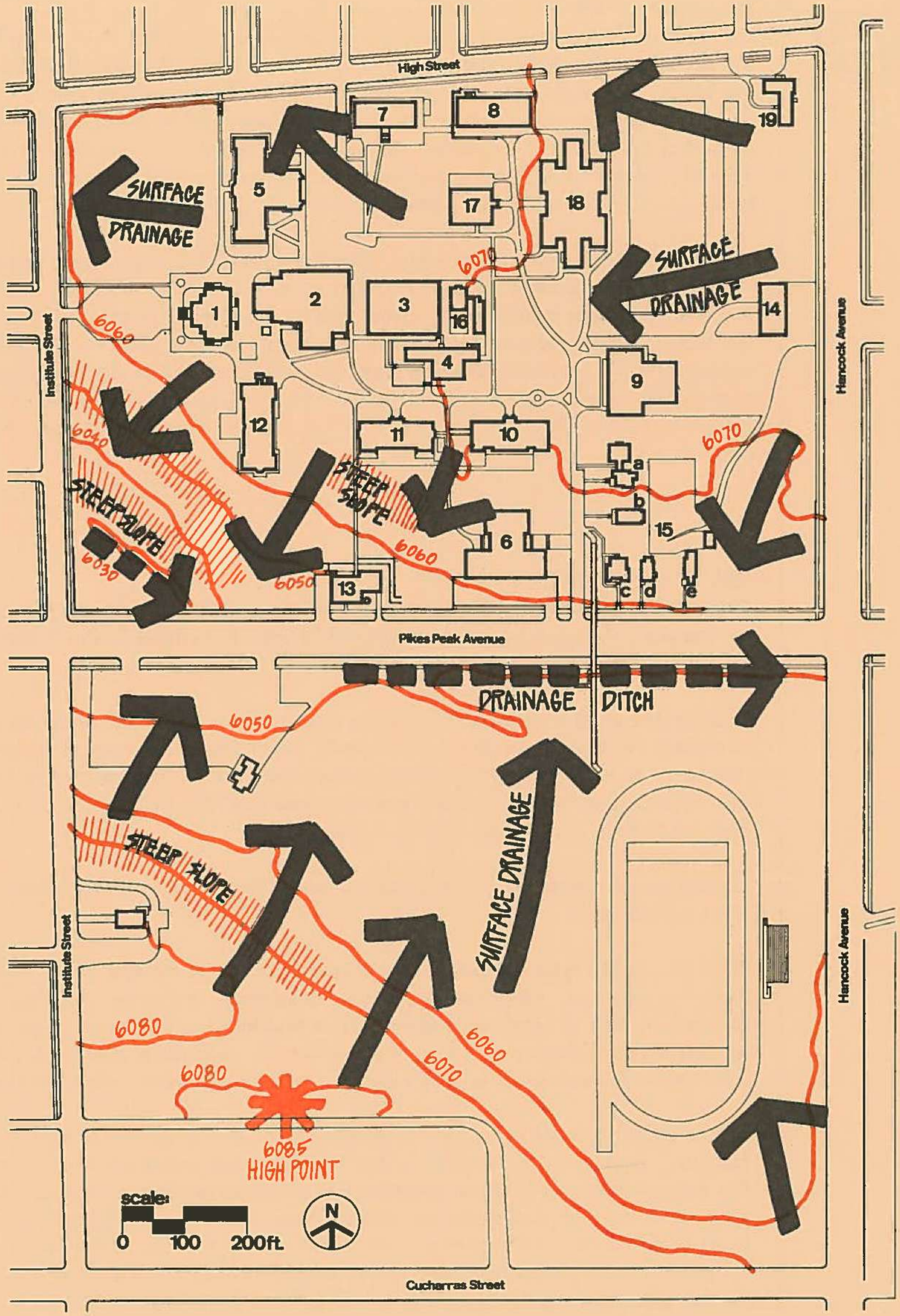
Again, because of the limited scope of this master plan update, subsurface soils investigations were not taken for the specific purpose of inclusion in this report. Instead, the following information was extracted from the 1966 long-range Campus Development Study and is included here for the purpose of describing in very general terms the character of the subsurface soils. Confirmation of the soils characteristics at any one specific point on the School property will, of course, require additional soils tests. The following general subsoils description is based upon investigations prepared by Lincoln-DeVore Testing Laboratories of Colorado Springs from test holes taken in six locations, three of which were located in the general vicinity of the existing Vocational Building, one across the street south from the existing steam plant building, one on the west side of the south campus and one in the southeast corner of the south campus.

"Two distinct soil types and one transitional soil were found on the site. Soil Type No. 1 is a poorly graded silty sand of fine grain size. This material is nonplastic, is of low density and is perm able. The relatively low density of the material tends to hold down the allowable bearing on it. The allowable bearing value on the silty sand should be taken as 2,300 psf. This material shows no tendency of swelling on the addition of moisture or to long-term consolidation under load. Settlement should be fairly rapid and should be complete at the end of the building period.

"Below this transported sand, a transitional material was found which is indicated in the report as Soil Type No. 2. This is a clayey sand which is a mixture of Pierre Shale and the silty sands above. This material shows a minor tendency to swell upon the addition of moisture and some tendency to consolidate under loads. It is, however, extremely thin being only about 2 to 3 ' in thickness at the widest point. Therefore, although this volumetric change must be accounted for in the foundation design, it will not affect the foundation greatly. The bearing on this soil may be taken as 2800 psi. This soil contains sulfates in medium amounts.

"Soil Type No. 3 is a lean clay of Pierre Shale formation. The upper portions of this clay have badly weathered but it grades rapidly into a hard dense formation shale. This soil is very fine grained, is plastic, and is of low permeability. It has some tendency to swell upon the addition of moisture but will not consolidate under a long-term basis except under very high loads. This soil does contain sulfates in deleterious amounts.

"The allowable bearing value on this clay varies considerably between the weathered and unweathered state. Near the surface of the clay layer, the allowable bearing value can be taken as 7000 psf. At a depth of about 6' below the surface, the allowable bearing value can be taken as 12,000 psf. This shale, therefore, will provide an excellent base for the building insofar as bearing values are concerned".


High Street
Institute Street
Hancock Avenue
Pikes Peak Avenue
Cucharras Street
SURFACE DRAINAGE
SURFACE DRAINAGE
STEEP SLOPE
STEEP SLOPE
STEEP SLOPE
DRAINAGE DITCH
SURFACE DRAINAGE
6070
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6040
6030
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6080
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6070
6085
HIGH POINT
scale:
0 100 200ft.
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Existing Buildings

PLANS AND DESCRIPTIONS

This section of the report provides a diagrammatic floor plan of each building on campus as well as a detailed description of each building. The detailed description includes the building's height, its use classification, facilities provided within the building, the year the building was constructed, a general description of the structural, heating, plumbing and electrical systems, etc., and the approximate gross area of the building. Also included within the description is a statement dealing with the adequacy of the building in regard to its use classification.

The diagrammatic floor plans were taken from the 1966 Long-Range Campus Development Study and were updated through a visual inspection of the facilities. Each room within each building was numbered to correspond to the number existing on the door outside the room. Where no existing room numbers were present, the rooms were numbered consecutively, generally starting from the main entrance to the building. The room numbers also indicate the floor on which the room occurs. Room 001 is located on the ground floor, Room 101 is on first floor, 201 on the second floor, 301 on the third floor.

ASSIGNABLE SPACE ANALYSIS

This section also deals with the analysis of assignable space of all the existing buildings on campus. Assignable space or assignable area is defined in the Colorado Commission on Higher Education Guidelines as follows:

"Assignable area is measured in square feet and consists of all areas assigned to, or available for assignment to, an occupant, including every type of space functionally usable by an occupant except those spaces included in 'nonassignable area' defined in the following paragraph. Areas are measured from the inside face of exterior walls and inside face of interior partitions and walls".

Nonassignable space or nonassignable area on the other hand is defined in the Guidelines as follows:

"Nonassignable area is measured in square feet and is the sum of all areas used for custodial services, corridors, elevators, escalators, stairways, lobbies, mechanical equipment, utility services, public toilets and loading platforms (except when required for operational reasons and thus, includable in assignable area). Areas are measured from inside face of exterior walls and inside face of interior partitions and walls".

In analyzing assignable space we have prepared charts for every existing building on campus. Each room is given a number which corresponds with the number located on the diagrammatic floor plans contained in previous sections of this report. Futhermore, each room is given a corresponding room name and a functional use code number. The functional use codes correspond with those used by the Colorado Commission on Higher Education. Six functional uses have been identified for rooms at the Colorado School for the Deaf and the Blind. They are as follows:

Code 10 - Instruction classrooms, teaching laboratories, faculty offices, offices for clerical and teaching assistants for faculty, offices for academic deans and heads of departments, and other rooms used in the resident instructional program of the institution. For the purposes of this study, the superintendent's office and related facilities have been included under the functional use code of administration. Principal's offices and related spaces are covered under the functional use code of instruction.

Code 40 - Libraries. Rooms used for the collection, storage, and circulation of books, periodicals, manuscripts and other reading and reference materials as well as office and office service rooms used by librarians.

Code 50 - Administration in general. General executive and administrative offices, secretarial and clerical spaces of administrative personnel, student services, admissions and registration, placement, public relations, institutional publications, business offices, etc.

Code 55 - Physical plant operation and maintenance. Maintenance shops, machine shops; motor pool; heating plants; police, fire protection and security offices; and the like.

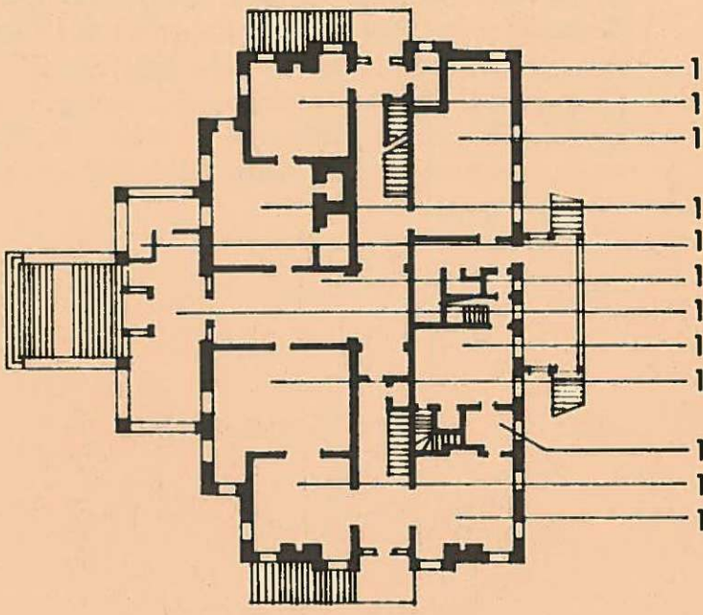
Code 60 - Auxiliary Enterprises. Housing facilities, student unions, book stores, post offices, dining halls and cafeterias and other similar facilities designed to be self-supporting. In the case of the Colorado School for the Deaf and the Blind, all these have been included in the functional use code of 60 even though they are not obviously designed to be self-supporting.

Code 80 - Unassigned areas. Areas which are unassigned at the time of the inventory because of present condition (inactive, unfinished, undergoing alterations or converstion). At the time this inventory of existing facilities was prepared, the only area on campus under this category of unassigned areas is the 1,040 square feet of space contained in the model cottage.

The fourth column of each table includes the area of each room. This area was found by scaling the diagrammatic floor plan and therefore may vary slightly from the actual measured room area.

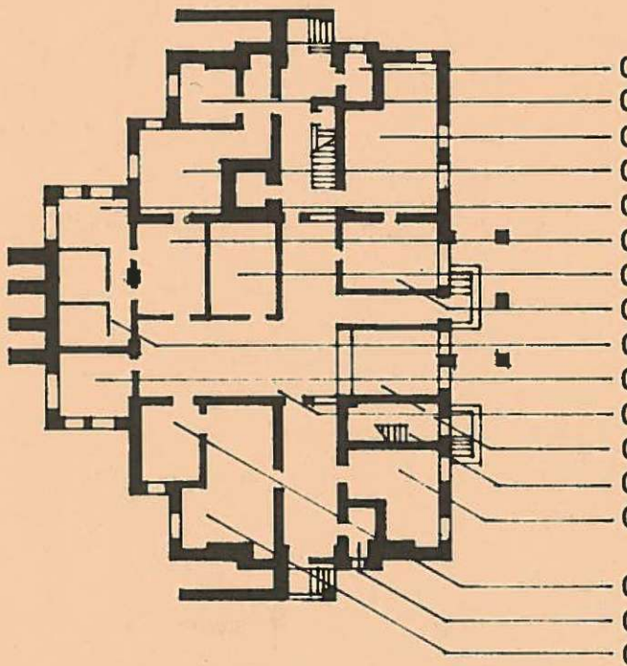
BUILDING NAME	ADMINISTRATION BUILDING
KEY PLAN NUMBER	1
BUILDING HEIGHT	Ground floor plus two stories plus third floor attic space.
USE CLASSIFICATION	Administration, Counseling and Evaluation
FACILITIES PROVIDED	General administrative offices, offices for the counseling and evaluation center and offices of the Principal of the Deaf School and Principal of the Multi-Handicapped Unit which have been considered instructional office spaces. All the third floor attic space is vacated.
YEAR CONSTRUCTED	1906
GENERAL DESCRIPTION	a) Structure - The building is constructed of masonry bearing walls with wood frame floors, roof structure and partitions. Its condition is only fair. Floors are showing deflection in some areas. b) Heating - The heating system is one-pipe steam in poor condition. There is no mechanical ventilation in the building. c) Plumbing - Plumbing system is in fair conditon having been revamped in 1960. Fixtures and drainage pipes are in poor condition. d) Electrical - The electrical system is in good condition having been revamped in 1960. Fixtures are in fair condition. e) Other Systems - In 1960, a new fire protection system consisting of fire alarm stations and heat detectors was installed. The system is in good condition. f) Remarks - The Owner states that expenses for maintenance and operation, particularly heating, of this building are very high.
APPROXIMATE GROSS AREA	14,121 square feet.
ADEQUACY FOR USE CLASSIFICATION	Prior to moving off campus in Spring 1975 the superintendent's housing facilities were provided on the second floor.

of the Administration Building. Since that time, Counseling and Evaluation Center has moved into the Administration Building and some minor remodeling has taken place. Although the size and configuration of spaces within the building make it highly inefficient on an area-per-occupant basis, the building is probably still best suited for offices.



106 Toilet
105 Dean of Students
107 Dormitory Supervisor's Offices (2)
104 Secretary to Dean of Students
102 Switchboard and Mail Clerk
103 Lobby
101 Porch
108 Kitchen
112 Administrative Secretary and Secretary to Superintendent
109 Pantry
111 Superintendent's Office
110 Conference Room

First Floor Plan



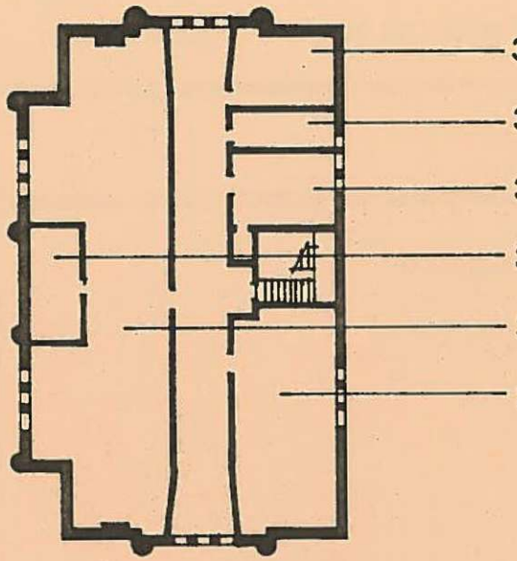
001 Toilet
018 Storage
002 Mechanical Equipment
017 Counselor
014 Audiologist
015 Conference
016 Building & Grounds Manager
003 Psychologist
012 & 013 Sound Testing Booths
011 Counselor
010 Lobby
004 Sec. to CEC*
005 Storage
006 Storage
009 Social Worker
007 Toilet
008 Psychometrist

Ground Floor Plan

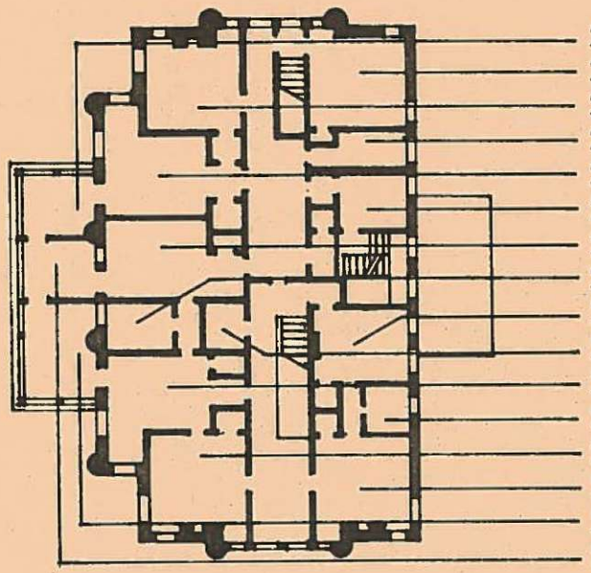
*Counseling & Evaluation Center

Administration Building

Scale: 1"=30'-0"



Third Floor Plan (attic space)



Second Floor Plan

Administration Building

Scale: 1"=30'-0"

BUILDING NAME: ADMINISTRATION BUILDING (ground floor)

Room Number	Room Name	Functional Use Code	Area (SF)
001	Toilet	00	30
002	Mechanical Equipment	00	315
003	Psychologist	50	165
004	Secretary to C.E.C.*	50	165
005	Storage	50	70
006	Storage	50	180
007	Toilet	00	30
008	Psychometrist	50	275
009	Social Worker	50	120
010	Lobby	00	385
011	Counselor	50	120
012	Sound Testing Booth	50	50
013	Sound Testing Booth	50	50
014	Audiologist	50	100
015	Conference	50	165
016	Building & Grounds Manager	50	165
017	Counselor	50	180
018	Storage	50	90

*Counseling & Evaluation Center

BUILDING NAME: ADMINISTRATION BUILDING (first floor)

Room Number	Room Name	Functional Use Code	Area (SF)
101	Porch	00	300
102	Switchboard & Mail Clerk*	50	120
103	Lobby	00	265
104	Secretary to Dean of Students	50	320
105	Dean of Students	50	240
106	Toilet	00	35
107	Dormitory Supervisors Offices (2)	50	400
108	Kitchen	50	190
109	Pantry	50	40
110	Conference Room	50	240
111	Superintendent's Office	50	240
112	Administrative Secretary & Secretary to the Superintendent	50	375

*Porch space is scheduled to be remodeled to contain these functions in the near future. Areas assume remodeling has already taken place.

BUILDING NAME: ADMINISTRATION BUILDING (second floor)

Room Number	Room Name	Functional Use Code	Area (SF)
201	Accountant	50	225
202	Bathroom	00	100
203	Supply & Duplicating	50	100
204	Student Accounting	50	195
205	Bathroom	00	50
206	Principal of Deaf School	10	225
207	Secretary to M.H. & Deaf School Principals	10	125
208	Principal of Multi-handicapped Unit	10	225
209	Conference Room	10	225
210	Safe	50	50
211	Bathroom	00	70
212	Accounting	50	240
213	Storage	50	180
214	Storage	50	100
215	Storage	50	110
216	Personnel Office	50	225
217	Business Manager	50	225

BUILDING NAME: ADMINISTRATION BUILDING (third floor)

Room Number	Room Name	Functional Use Code	Area (SF)
301	Vacated Attic Space	80	*
302	Vacated Attic Space	80	*
303	Vacated Attic Space	80	*
304	Vacated Attic Space	80	*
305	Vacated Attic Space	80	*
306	Vacated Attic Space	80	*

*Areas for attic space have not been computed under assignable areas because of the extremely limited possible use of the space.

ASSIGNABLE AREAS:

Total Code 10 (Instruction) Area = 800 SF

Total Code 50 (Administration & General) Area = 5710 SF

BUILDING NAME	ARGO BUILDING
KEY PLAN NUMBER	2
BUILDING HEIGHT	Ground floor plus two stories.
USE CLASSIFICATION	Instruction, library, housing facilities, student snack bar, kitchen, dining hall, supplies and receiving.
FACILITIES PROVIDED	Dining and kitchen facilities for deaf students and staff, dormitories for deaf boys 17-20 years old, library for deaf boys and girls of all ages, student snack bar for all deaf students and some blind students. Staff coffee room is to be changed to professional library in the near future. Staff will utilize the snack bar for coffee.
YEAR CONSTRUCTED	1923
GENERAL DESCRIPTION	a) Structure - The building is constructed of masonry bearing walls with concrete floor slabs and wood roof structure. b) Heating - The heating system is one-pipe steam. The condition is poor and has all the disadvantages inherent in the one-pipe steam system (lack of controls, noise, etc.). There is no mechanical ventilation in the dining area. c) Plumbing - The condition of the plumbing system is poor. The system is stopped up quite often. Most fixtures are antiquated in kitchen. All toilet fixtures and piping have been replaced in 1975. d) Electrical - The electrical system was renovated in 1960 and is in good condition. Fixtures are in fair condition, except the kitchen, and they are in good condition. e) Other Systems - In 1960, a new fire protection system consisting of fire alarm stations and heat detectors was installed. The system is in good condition. f) Remarks - The maintenance cost for heating is excessive, and the system should be modernized.
APPROXIMATE GROSS AREA	37,696 square feet.

ADEQUACY FOR USE CLASSIFICATION

The circulation patterns between kitchen and dining facilities are not good. Very little kitchen storage space is available on the first floor.

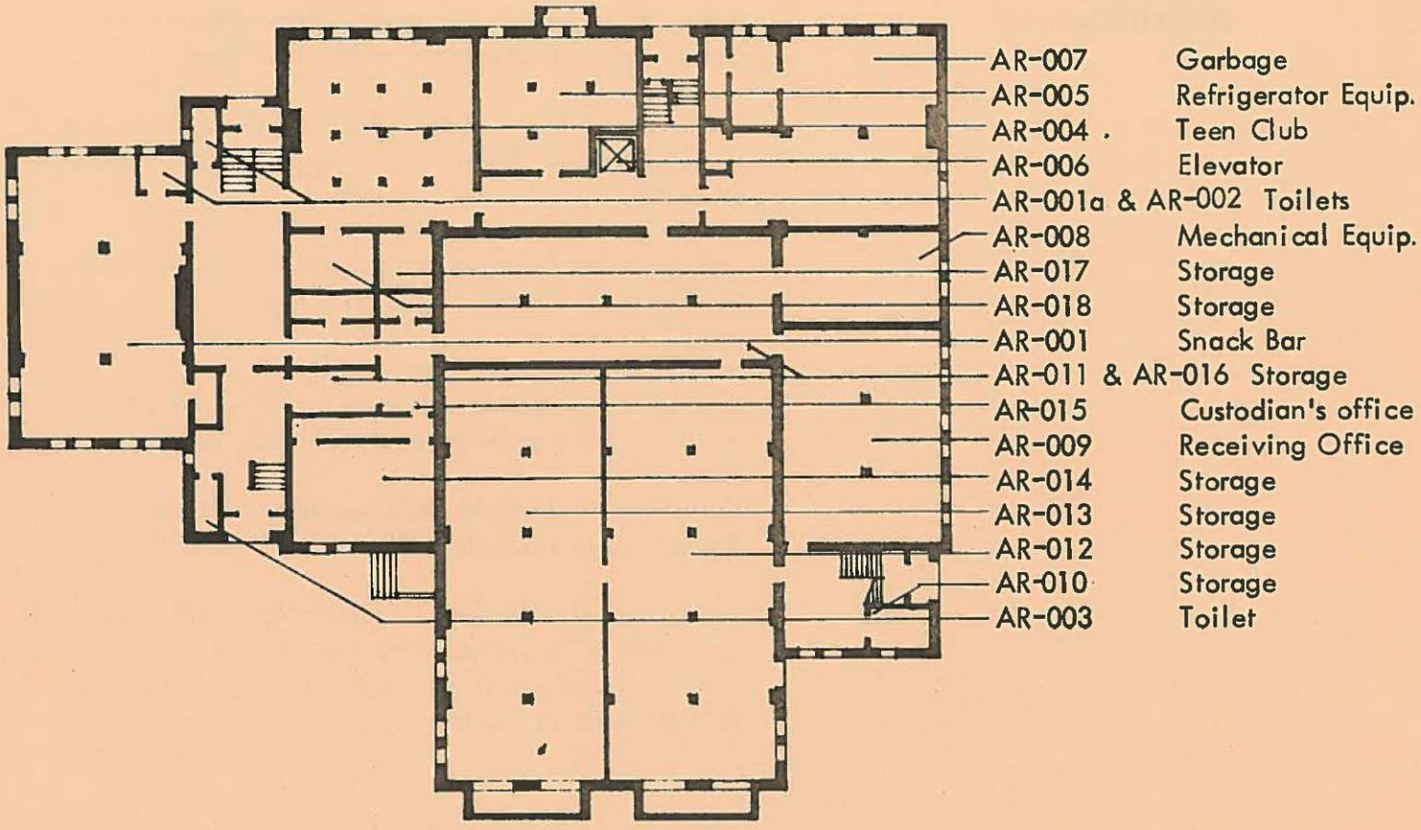
The ground floor location of the receiving functions is undesirable. The truck delivery imposes hazards on the children because of traffic problems.

The snack bar located in the basement is inadequate in size and is located in an area impossible to supervise.

Extensive remodeling was done in 1975 to the stairs and kitchen in order to meet code requirements.

Dormitory kitchenette facilities are not available for the dormitory students living on the second floor.

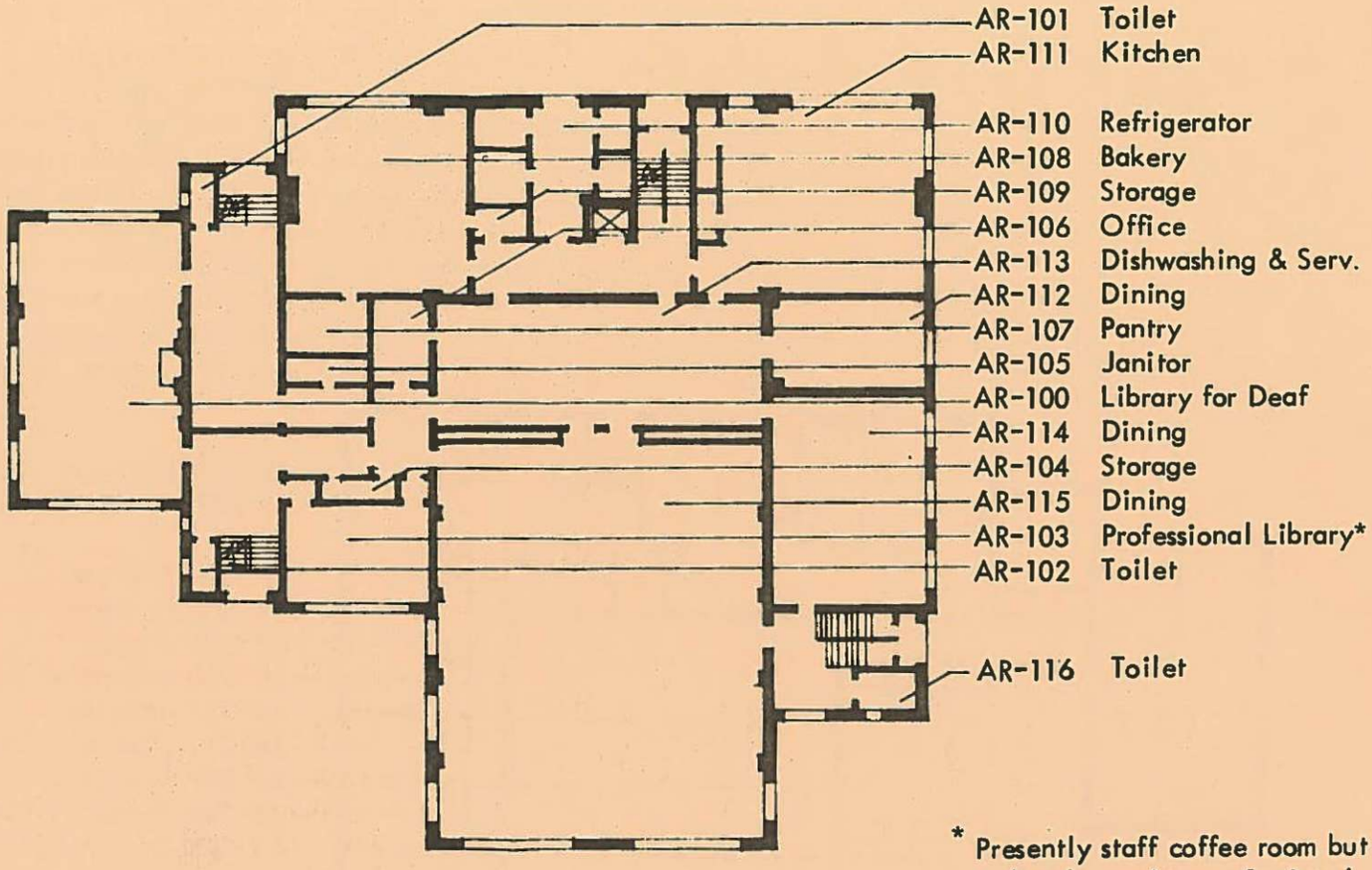
The library for the deaf located on the first floor is not large enough to accommodate the media center and is not located where it can be readily utilized by the deaf students in Gottlieb.



Ground Floor Plan

Argo Building

Scale: 1"=30'-0"

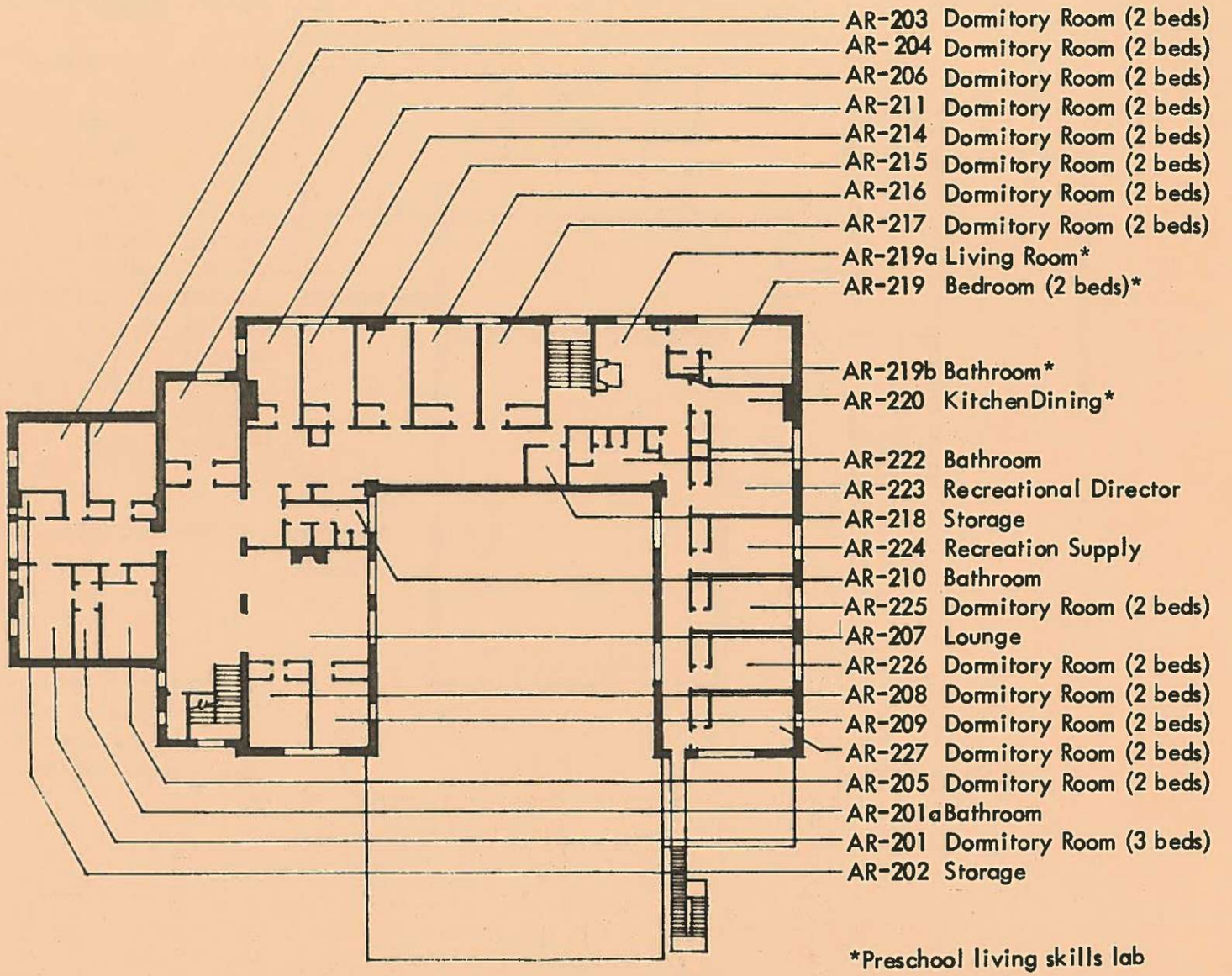


* Presently staff coffee room but to be changed to professional library soon. Staff will utilize snack bar for coffee.

First Floor Plan

Argo Building

Scale: 1"=30'-0"



Second Floor Plan

Argo Building

Scale: 1"=30'-0"

BUILDING NAME: ARGO BUILDING (ground floor plan)

Room Number	Room Name	Functional Use Code	Area (SF)
AR-001	Snack Bar	60	1215
AR-001a	Toilet	00	35
AR-002	Toilet	00	35
AR-003	Toilet	00	35
AR-004	Teen Club	60	900
AR-005	Refrigerator Equipment	00	600
AR-006	Elevator	00	40
AR-007	Garbage	00	1140
AR-008	Mechanical Equipment	00	350
AR-009	Receiving Office	60	850
AR-010	Storage	60	60
AR-011	Storage	60	1060
AR-012	Storage	60	1810
AR-013	Storage	60	1675
AR-014	Storage	60	460
AR-015	Custodian's Office	60	70
AR-016	Storage	60	85
AR-017	Storage	60	80
AR-018	Storage	60	125

BUILDING NAME: ARGO BUILDING (first floor plan)

Room Number	Room Name	Functional Use Code	Area (SF)
AR-100	Library for the Deaf	40	1240
AR-101	Toilet	00	35
AR-102	Toilet	00	35
AR-103	Professional Library	40	370
AR-104	Storage	00	35
AR-105	Janitor	00	52
AR-106	Office	60	125
AR-107	Pantry	60	120
AR-108	Bakery	60	900
AR-109	Storage	60	40
AR-110	Refrigerators	60	375
AR-111	Kitchen	60	1110
AR-112	Dining	60	350
AR-113	Dishwashing & Serving	60	1060
AR-114	Dining	60	850
AR-115	Dining	60	3445
AR-116	Toilet	60	55

BUILDING NAME: ARGO BUILDING (second floor plan)

Room Number	Room Name	Functional Use Code	Area (SF)
AR-201	Dormitory Room (3 beds)	60	250
AR-201a	Bathroom	60	50
AR-202	Storage	60	30
AR-203	Dormitory Room (2 beds)	60	195*
AR-204	Dormitory Room (2 beds)	60	210*
AR-205	Dormitory Room (2 beds)	60	175*
AR-206	Dormitory Room (2 beds)	60	280*
AR-207	Lounge	60	485
AR-208	Dormitory Room (2 beds)	60	190*
AR-209	Dormitory Room (2 beds)	60	175*
AR-210	Bathroom	60	130
AR-211	Dormitory Room (2 beds)	60	190*
AR-214	Dormitory Room (2 beds)	60	190*
AR-215	Dormitory Room (2 beds)	60	190*
AR-216	Dormitory Room (2 beds)	60	230*
AR-217	Dormitory Room (2 beds)	60	230*
AR-218	Storage	60	50
AR-219	Bedroom (2 beds)	10	190
AR-219a	Living Room	10	260
AR-219b	Bathroom	10	25
AR-220	Kitchen/Dining	10	205*
AR-222	Bathroom	60	190*
AR-223	Recreational Director's Office	60	230*
AR-224	Recreation Supply	60	210*
AR-225	Dormitory Room (2 beds)	60	210*
AR-226	Dormitory Room (2 beds)	60	210*
AR-227	Dormitory Room (2 beds)	60	210*

*Area of the room includes the area of the closet serving the room.

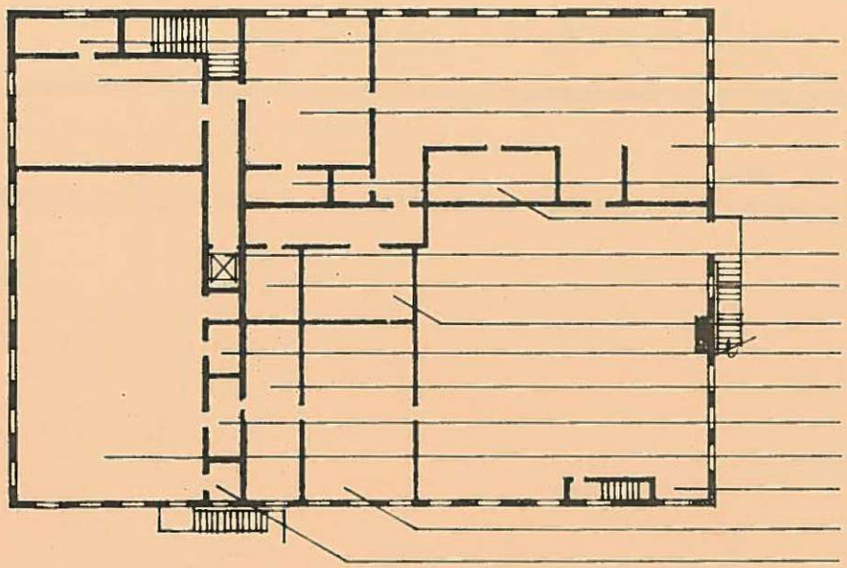
ASSIGNABLE AREAS:

Total Code 10 (Instruction) Area = 680 SF

Total Code 40 (Library) Area = 1610 SF

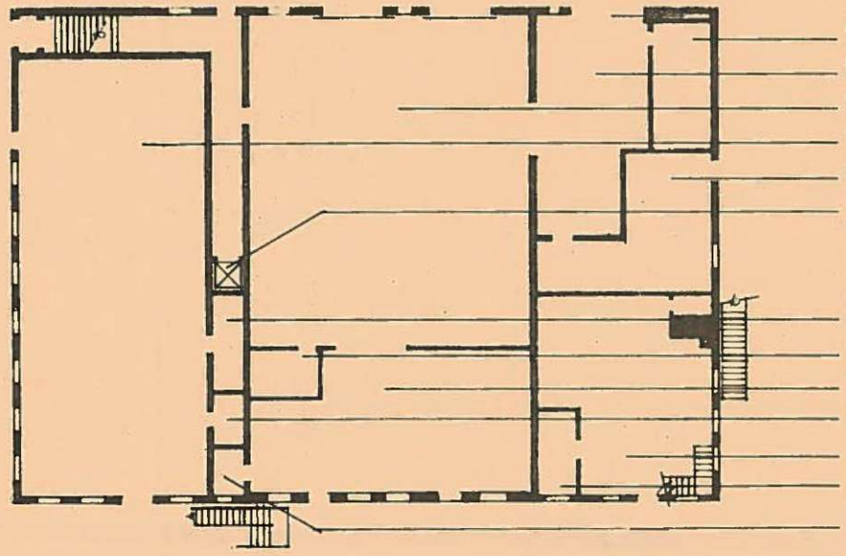
Total Code 60 (Housing Facilities, Student Unions, Dining Halls, etc.) Area = 21330 SF

BUILDING NAME	INDUSTRIAL BUILDING
KEY PLAN NUMBER	3
BUILDING HEIGHT	Two stories.
USE CLASSIFICATION	Physical plant operation and maintenance.
FACILITIES PROVIDED	Commerical type laundry, garage for campus service vehicles, maintenance shop, yard equipment storage, paint shop.
YEAR CONSTRUCTED	1907
GENERAL DESCRIPTION	a) Structure - The building is constructed of masonry bearing walls, wood framing of floors and roof. The condition of the building is very poor. b) Heating - The building heating system is one-pipe steam. It is in a very poor condition and has all the disadvantages inherent in the system (lack of control, noisy, etc.). The large rooms are especially poorly heated and improperly ventilated. c) Plumbing - The plumbing system is antiquated and very poor. d) Electrical - The electrical system can only be classified as fair. e) Other Systems - A new fire protection system consisting of fire alarm stations and heat detectors was installed in 1960. The system is in good condition. f) Remarks - Because of the poor condition of the building, in 1966 the entire second floor of the building was condemmed for any use other than storage. Instructional functions contained within the building at that time were moved into the new Vocational Building. The maintenance costs of the building are excessive and the entire structure and mechanical systems are in need of extensive repair.
APPROXIMATE GROSS AREA	18,560 square feet.
ADEQUACY FOR USE CLASSIFICATION	Because of the condition of the structure, it is recommended that the entire building be torn down and existing facilities contained in the building be replaced in new facilities.



Entire floor is condemned for use other than storage

Second Floor Plan



103a	Transformer Room
103	Yard Equipment Storage
102	Garage
101	Laundry
104	Storage
101c	Elevator
101a	Storage
102a	Storage
105	Maintenance Shop
101b	Toilet
106	Paint Shop
106a	Storage
105a	Toilet

First Floor Plan

Industrial Building

Scale: 1"=30'-0"

BUILDING NAME: INDUSTRIAL BUILDING (first floor*)

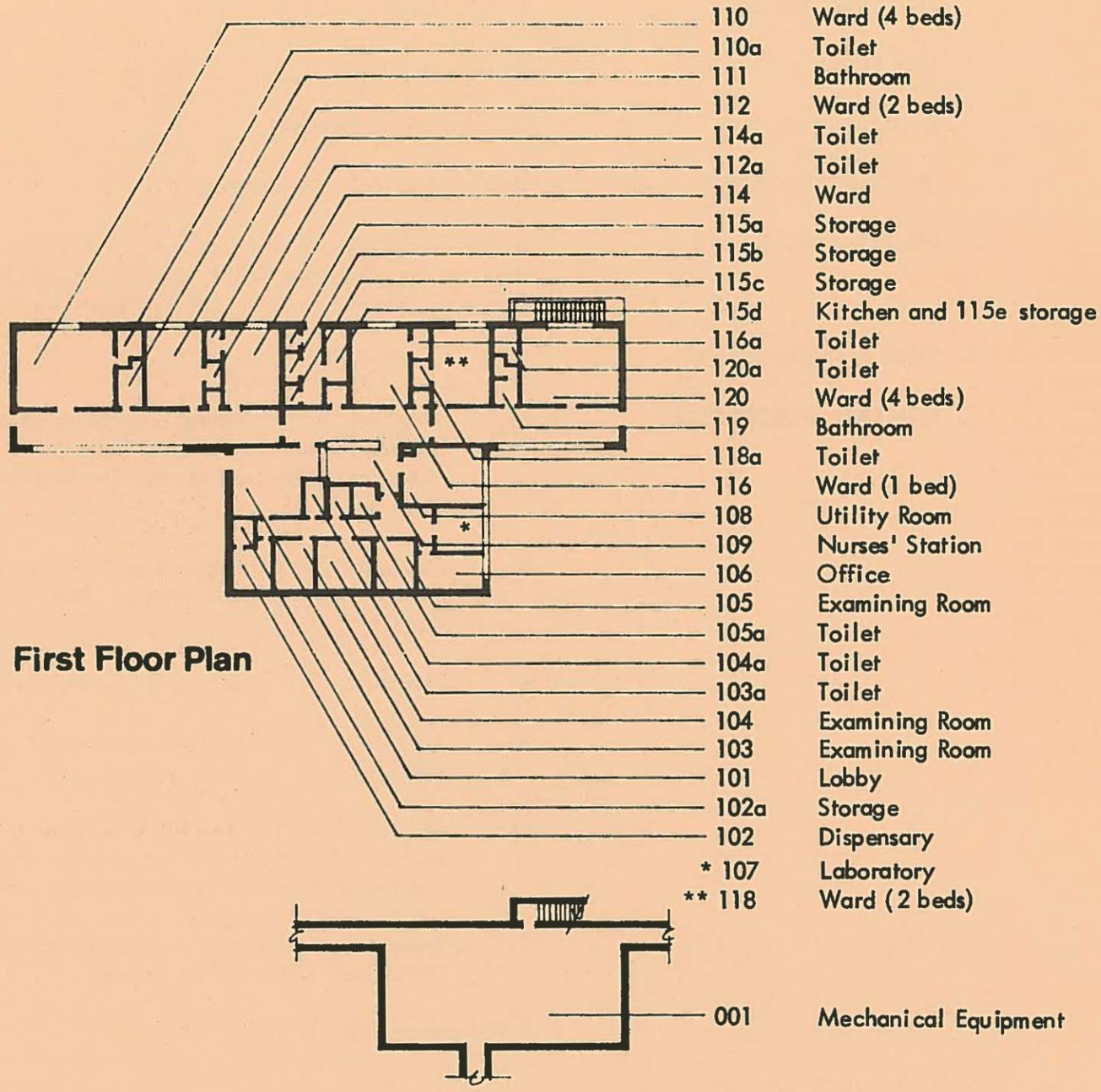
Room Number	Room Name	Functional Use Code	Area (SF)
101	Laundry	55	2200
101a	Storage	55	75
101b	Toilet	00	35
101c	Elevator	00	25
102	Garage	55	2485
102a	Storage	55	77
103	Yard Equipment Storage	55	595
103a	Transformer Room	00	200
104	Storage	55	430
105	Maintenance Shop	55	945
105a	Toilet	00	35
106	Paint Shop	55	720
106a	Storage	55	80

*Entire second floor is condemned for use other than storage and has not been included in the assignable area computations.

ASSIGNABLE AREA:

Total Code 55 (Physical Plant Operation and Maintenance) Area = 7607 SF

BUILDING NAME	INFIRMARY
KEY PLAN	4
BUILDING HEIGHT	One story with basement.
USE CLASSIFICATION	Housing facilities support space.
FACILITIES PROVIDED	Infirmary including doctors' offices, examining rooms, dispensaries, three wards with a total of seven beds for girls and three wards with a total of seven beds for boys.
YEAR CONSTRUCTED	1957
GENERAL DESCRIPTION	a) Structure - The building is constructed of masonry bearing walls with concrete floor slab. The roof is supported by wood joists. The building is in good condition. b) Heating - The heating system is hot water converted from the central steam supply. This system is in good condition. c) Plumbing - The plumbing is in good condition. d) Electrical - The electrical system is in good condition. e) Other systems - A new fire protection system consisting of fire alarm stations and heat detectors was installed in 1960 and is in good condition. f) Remarks - The building functions economically and is well suited for its purpose.
GROSS AREA	5,754 square feet.
ADEQUACY FOR USE CLASSIFICATION	The building is well designed and very suitable for its use.



First Floor Plan

Ground Floor Plan

Infirmary

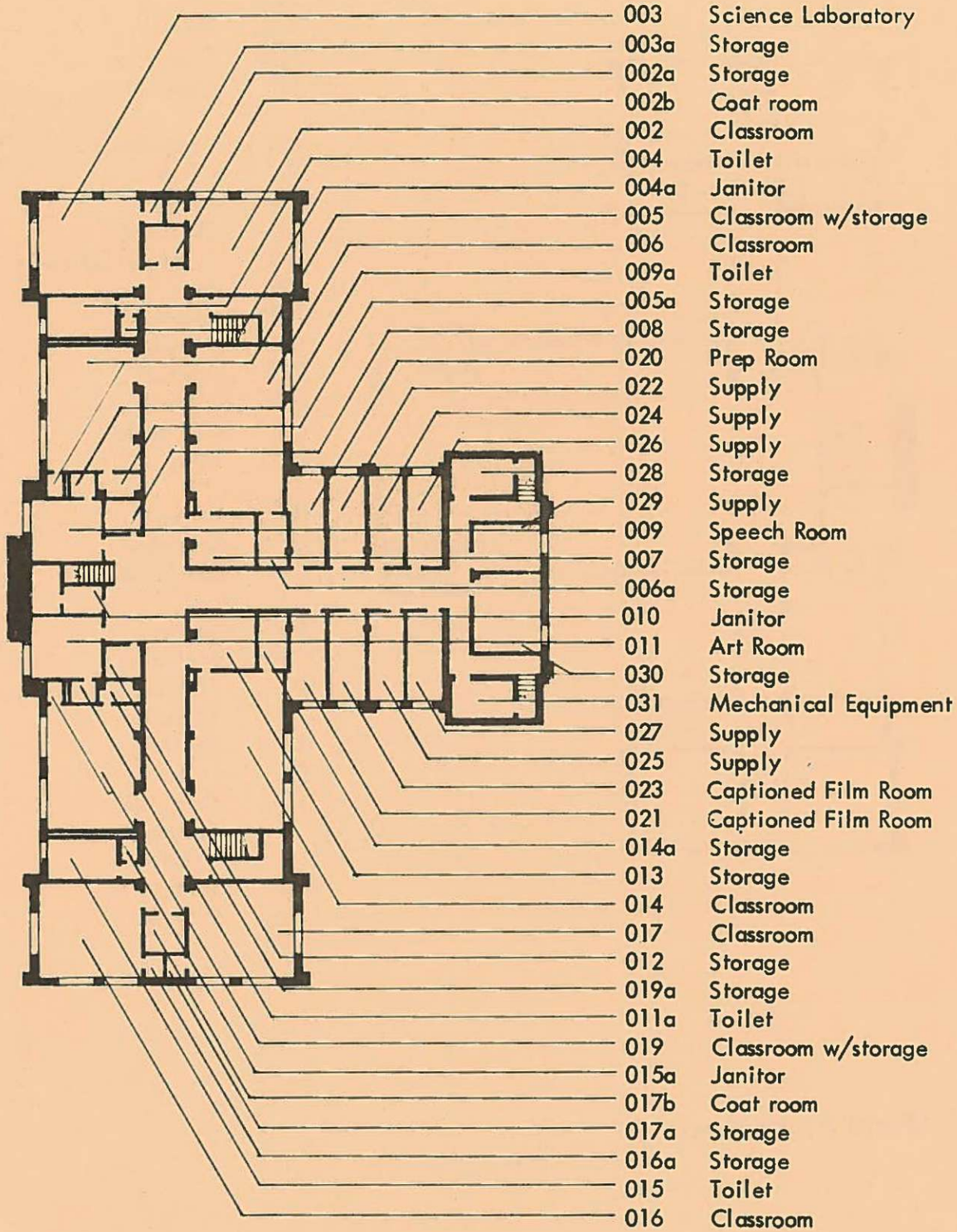
Scale: 1"=30'-0"

BUILDING NAME: INFIRMARY

Room Number	Room Name	Functional Use Code	Area (SF)
101	Lobby	00	195
102	Dispensary	60	72
102a	Storage	60	20
103	Examining Room	60	70
103a	Toilet	60	25
104	Examining Room	60	90
104a	Toilet	60	25
105	Examining Room	60	70
105a	Toilet	60	25
106	Office	60	84
107	Laboratory	60	72
108	Utility Room	00	165
109	Nurse's Station	60	96
110	Ward (4 beds for girls)	60	285
110a	Toilet	60	30
111	Bathroom	60	40
112	Ward (2 beds for girls)	60	165
112a	Toilet	60	15
114	Ward (1 bed for girls)	60	165
114a	Toilet	60	15
115a	Storage	60	12
115b	Storage	60	18
115c	Storage	60	12
115d	Kitchen	60	45
115e	Storage	60	16
116	Ward (1 bed for boys)	60	165
116a	Toilet	60	15
118	Ward (2 beds for boys)	60	165
118a	Toilet	60	15
119	Bathroom	60	45
120	Ward (4 beds for boys)	60	285
120a	Toilet	60	30
001	Mechanical Equipment	00	1080

ASSIGNABLE AREAS:
Total Code 60 (Housing Facilities) = 2187 SF

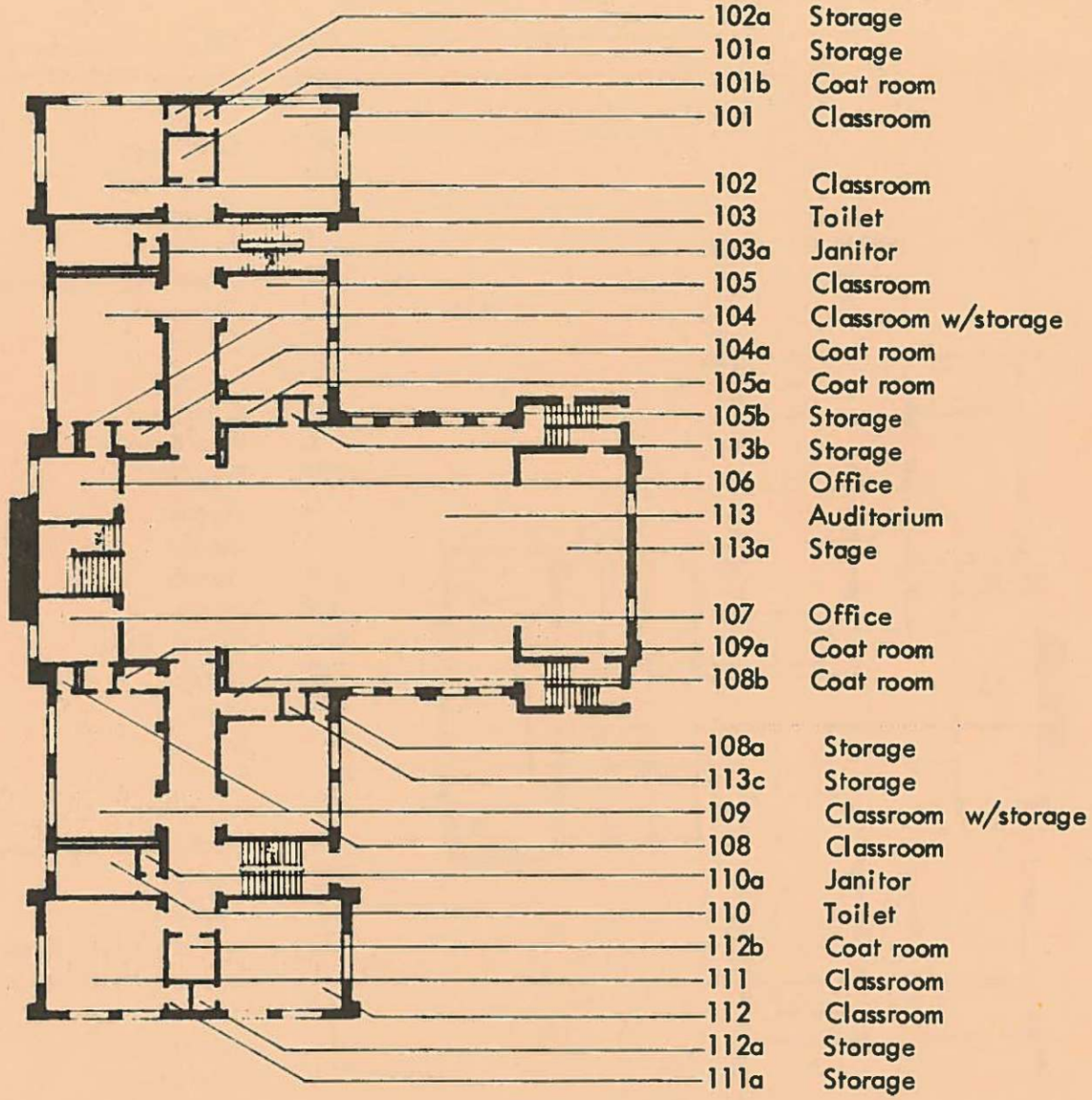
BUILDING NAME	GOTTLIEB BUILDING
KEY PLAN NUMBER	5
BUILDING HEIGHT	Ground floor plus two stoires
USE CLASSIFICATION	Instruction facilities provided; classrooms, auditorium and offices for instruction of deaf students in grades K-12.
YEAR CONSTRUCTED	1952
GENERAL DESCRIPTION	a) Structure - The building is constructed of masonry bearing walls with reinforced concrete floor slabs. The condition of the building is good. b) Heating - The heating system is a two-pipe steam system. This is a considerable improvement over the one-pipe system, however, it can only be classified as fair. No mechanical ventilation is available. c) Plumbing - The plumbing system is in poor condition. d) Electrical - The lighting for the building is adequate except for the auditorium. The wiring is in fair condition. e) Other systems - A new fire protection system consisting of fire alarm stations and heat detectors was installed in 1962 and is in good condition. A sprinkler system was added to the ground floor in 1975.
APPROXIMATE GROSS AREA	29,443 square feet.
ADEQUACY FOR USE CLASSIFICATION	Generally speaking, the building is well-suited for its use although the auditorium is considered too small for large functions. It is recommended that the auditorium be converted to a library and media center and a new auditorium constructed. Extensive remodeling was done in 1975 to enclose stairs so they would meet code requirements. The remodeling has created traffic jambing at the doors. The exit width has been reduced by the door and the doors are so heavy that many small children are unable to open them. Also, the glass in the doors is too small and too high to see children on the other side.



Ground Floor Plan

Gottlieb School Building

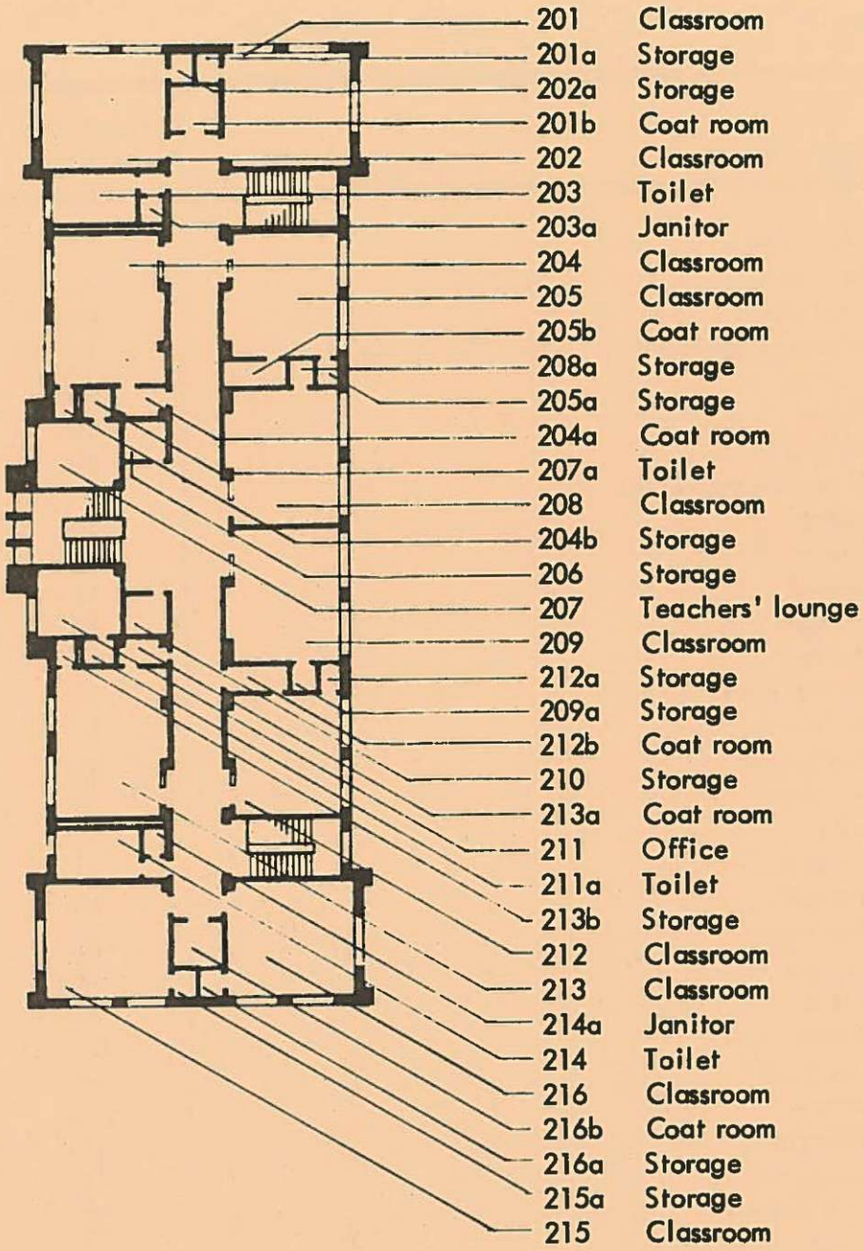
Scale: 1"=30'-0"



First Floor Plan

Gottlieb School Building

Scale: 1"=30'-0"



Second Floor Plan

Gottlieb School Building

Scale: 1"=30'-0"

BUILDING NAME: GOTTLIEB SCHOOL BUILDING (ground floor)

Room Number	Room Name	Functional Use Code	Area (SF)
002	Classroom	10	380
002a	Storage	10	15
002b	Coat Room	00	55
003	Science Laboratory	10	380
003a	Storage	10	15
004	Toilet	00	105
004a	Janitor	00	12
005	Classroom w/storage	10	430
005a	Storage	10	40
006	Classroom	10	590
006a	Storage	10	60
007	Storage	10	130
008	Storage	10	40
009	Speech Room	10	155
009a	Toilet	10	25
010	Janitor	00	100
011	Art Room	10	155
011a	Toilet	10	25
012	Storage	10	40
013	Storage	10	130
014	Classroom	10	590
014a	Storage	10	60
015	Toilet	00	105
015a	Janitor	00	12
016	Classroom	10	380
016a	Storage	10	15
017	Classroom	10	380
017a	Storage	10	15
017b	Coat Room	00	55
019	Classroom w/storage	10	430
019a	Storage	10	40
020	Preparation Room	10	125
021	Caption Film Room	10	125
022	Supply Storage	10	125
023	Caption Film Room	10	125
024	Supply Storage	10	125
025	Supply Storage	10	125
026	Supply Storage	10	125

BUILDING NAME: GOTTLIEB SCHOOL BUILDING (ground floor continued)

Room Number	Room Name	Functional Use Code	Area (SF)
027	Supply Storage	10	125
028	Storage	10	85
029	Supply Storage	10	120
030	Storage	10	195
031	Mechanical Equipment	00	85

BUILDING NAME: GOTTLIEB SCHOOL BUILDING (first floor)

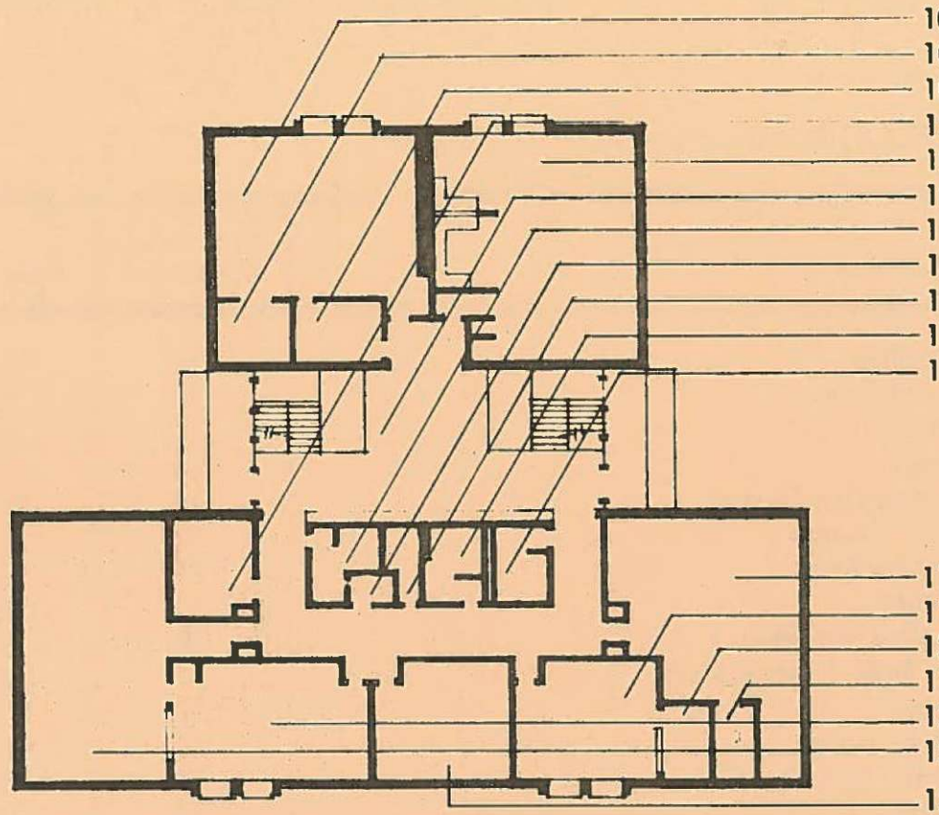
Room Number	Room Name	Functional Use Code	Area (SF)
101	Classroom	10	380
101a	Storage	10	15
101b	Coat Room	00	55
102	Classroom	10	380
102a	Storage	10	15
103	Toilet	00	105
103a	Janitor	00	12
104	Classroom w/storage	10	430
104a	Coat Room	00	40
105	Classroom	10	360
105a	Coat Room	00	40
105b	Storage	10	10
106	Office	10	155
107	Office	10	155
108	Classroom	10	360
108a	Storage	10	10
108b	Coat Room	00	40
109	Classroom w/storage	10	430
109a	Coat Room	00	40
110	Toilet	00	105
110a	Janitor	00	12
111	Classroom	10	380
111a	Storage	10	15
112	Classroom	10	380
112a	Storage	10	15
112b	Coat Room	00	55
113	Auditorium	10	2250
113a	Stage	10	360
113b	Storage	10	12
113c	Storage	10	12

BUILDING NAME: GOTTLIEB SCHOOL BUILDING (second floor)

Room Number	Room Name	Functional Use Code	Area (SF)
201	Classroom	10	380
201a	Storage	10	15
201b	Coat Room	00	55
202	Classroom	10	380
202a	Storage	10	15
203	Toilet	00	105
203a	Janitor	00	12
204	Classroom	10	415
204a	Coat Room	00	40
204b	Storage	10	15
205	Classroom	10	360
205a	Storage	10	10
205b	Coat Room	00	40
206	Storage	10	40
207	Teachers' Lounge	10	155
207a	Toilet	00	25
208	Classroom	10	395
208a	Storage	10	15
209	Classroom	10	395
209a	Storage	10	15
210	Storage	10	40
211	Office	10	155
211a	Toilet	00	25
212	Classroom	10	360
212a	Storage	10	10
212b	Coat Room	00	40
213	Classroom	10	430
213a	Coat Room	00	40
213b	Storage	10	15
214	Toilet	00	105
214a	Janitor	00	12
215	Classroom	10	380
215a	Storage	10	15
216	Classroom	10	380
216a	Storage	10	15
216b	Coat Room	00	55

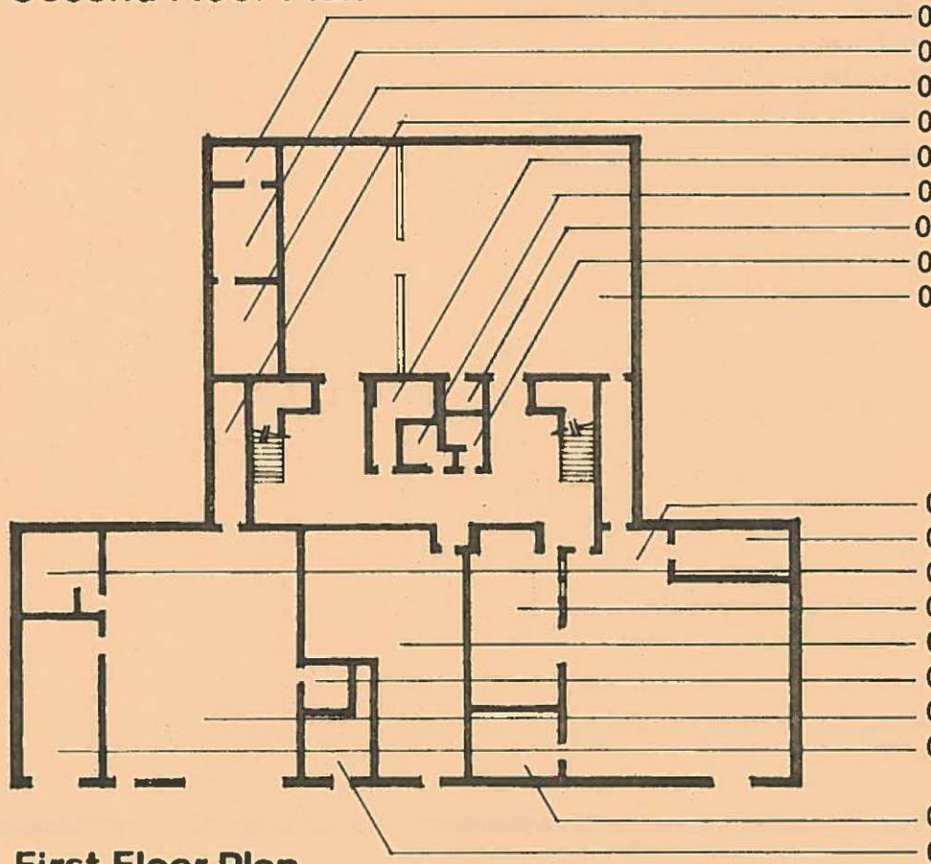
ASSIGNABLE AREAS:
Total Code 10 (Instruction) Area = 16449 SF

BUILDING NAME	VOCATIONAL BUILDING
KEY PLAN NUMBER	6
BUILDING HEIGHT	Ground floor plus one story
USE CLASSIFICATION	Instruction facilities provide arts and crafts instructional spaces for deaf and blind boys and girls in grades 3-6 and practical arts and vocational training for deaf and blind boys and girls in grades 7-12.
YEAR CONSTRUCTED	1966
GENERAL DESCRIPTION	a) Structure - The building is constructed of masonry bearing walls with precast concrete facing, concrete floors and steel joists roof structure. b) Heating - The heating system consists of unit heaters receiving steam from the central supply plant. This sytem supplies circulated ventilating air as well as heat for the building. c) Plumbing - The plumbing is in good condition. d) Electrical - Electrical systems are in good condition. e) Other systems - Fire protection consists of a sprinkler system in certain areas with flow switches connected with supervisory alarm system, alarm horns and flashing red lights.
APPROXIMATE GROSS AREA	20,340 square feet.
ADEQUACY FOR USE CLASSIFICATION	Building was specifically designed to accommodate the facilities presently contained within it, the exception being the dry cleaning facility. The area is too small for the equipment needed.



106 Sewing Room
107 Fitting Room
108 Office
124 Teachers' Workroom
103 Homemaking Center
101 Waiting & Secretaries
125 Women's Toilet
126 Custodian
127 Men's Toilet
128 Boys' Toilet
129 Girls' Toilet
117 Shop for Blind
119 Business Education for Deaf
120 IBM
118 Storage
122 Drafting
123 Crafts
121 Office, Classroom, and library

Second Floor Plan



008 Storage
007 Dark Room
006 Camera Room
019 Storage
020 Boys' Toilet
021 Custodian
022 Locker Room
023 Girls' Toilet
005 Print Shop
011 Woodworking Shop
012 Project Storage
018 Locker Room
014 Darkroom
015 Dry Cleaning Shop
016a Storage
016 Auto Body & Metal Shop
017 Auto Finishing
013 Finishing Room
024 Mechanical Equipment

First Floor Plan

Vocational Building

Scale: 1"=30'-0"

BUILDING NAME: VOCATIONAL BUILDING (first floor)

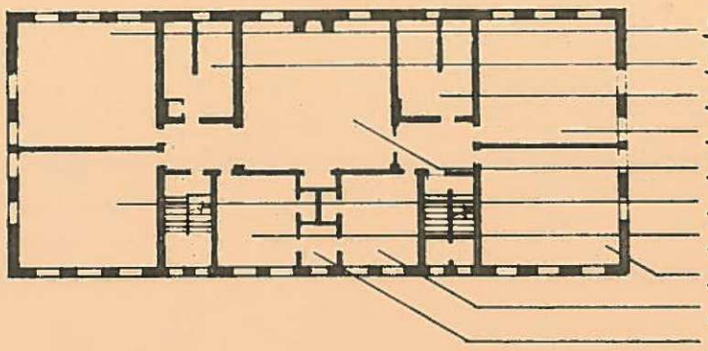
Room Number	Room Name	Functional Use Code	Area (SF)
005	Print Shop	10	2070
006	Camera Room	10	150
007	Dark Room	10	150
008	Storage	10	55
011	Woodworking Shop	10	1225
012	Project Storage	10	125
013	Finishing Room	10	145
014	Darkroom	10	380
015	Dry Cleaning Shop	10	785
016	Auto Body & Metal Shop	10	1280
016a	Storage	10	50
017	Auto Finishing	10	312
018	Locker Room	10	150
019	Storage	10	115
020	Boys' Toilet	00	100
021	Custodian	00	45
022	Locker Room	10	30
023	Girls' Toilet	00	35
024	Mechanical Equipment	00	140

BUILDING NAME: VOCATIONAL BUILDING (second floor)

Room Number	Room Name	Functional Use Code	Area (SF)
101	Waiting & Secretary	10	260
103	Homemaking Center	10	1120
106	Sewing Room	10	860
107	Fitting Room	10	120
108	Office	10	140
117	Shop for Blind	10	940
118	Storage	10	70
119	Business Education for Deaf	10	415
120	IBM	10	85
121	Office, Classroom, and Library	10	400
122	Drafting	10	575
123	Crafts	10	965
124	Teachers' Workroom	10	195
125	Women's Toilet	00	100
126	Custodian	00	35
127	Men's Toilet	00	50
128	Boys' Toilet	00	100
129	Girls' Toilet	00	95

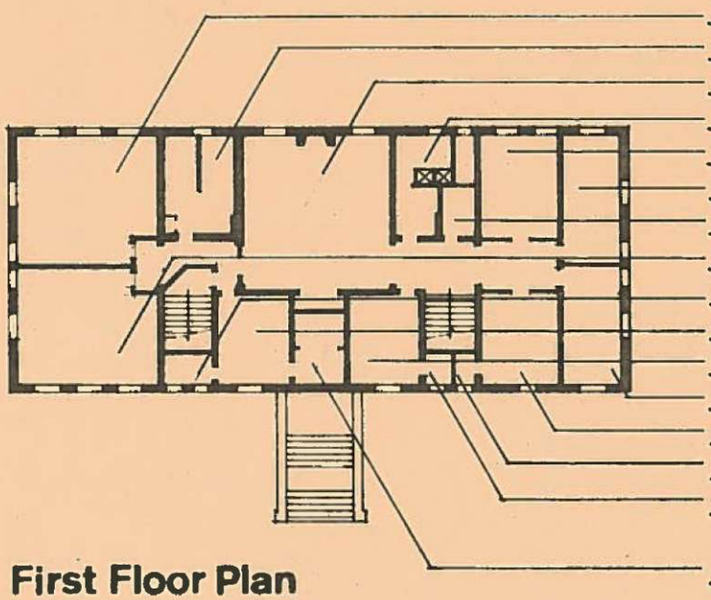
ASSIGNABLE AREAS:
Total Code 10 (Instruction) Area = 13167 SF

BUILDING NAME	JONES HALL
KEY PLAN NUMBER	7
BUILDING HEIGHT	Ground floor plus two stories.
USE CLASSIFICATION	Instructional and housing facilities.
FACILITIES PROVIDED	Dormitory for blind girls of all ages including lounges and facilities for the dorm counselors, instructional space for deaf/blind girls and boys of all ages.
YEAR CONSTRUCTED	1911
GENERAL DESCRIPTION	a) Structure - The building is constructed of masonry bearing walls and concrete floor slab. The condition of the building is sound. Wood windows are in need of repair. b) Heating - The heating system is one-pipe steam. It is in fair condition but has all the disadvantages inherent in the system (lack of controls, noise, and no mechanical ventilation). c) Plumbing - The plumbing system was renovated in 1960. It is in good condition. d) Electrical - The electrical system was renovated in 1960. It is in good condition. e) Other systems - A new fire protection system consisting of fire alarm stations and heat detectors was installed in 1960 and is in good condition.
APPROXIMATE GROSS AREA	13,200 square feet
ADEQUACY FOR USE CLASSIFICATION	Three major problems exist in the present usage of Jones Hall. First, the expanding Deaf/Blind Program is taking dormitory and recreation space from the blind girls and thereby severely squeezing their dorm functions. Second, the Deaf/Blind Program is utilizing every available square foot of space and crowded conditions still exist. The teachers' media center is located in the shower room and an electrical panel area is being used for storage of supplies. Third, two rooms located on the second floor serve as physical therapy rooms. This location causes complications for multi-handicapped students having to go up and down two flights of stairs several times a day. The stairways in Jones Hall have been enclosed to meet code requirements. This has created traffic, as well as supervision, problems.



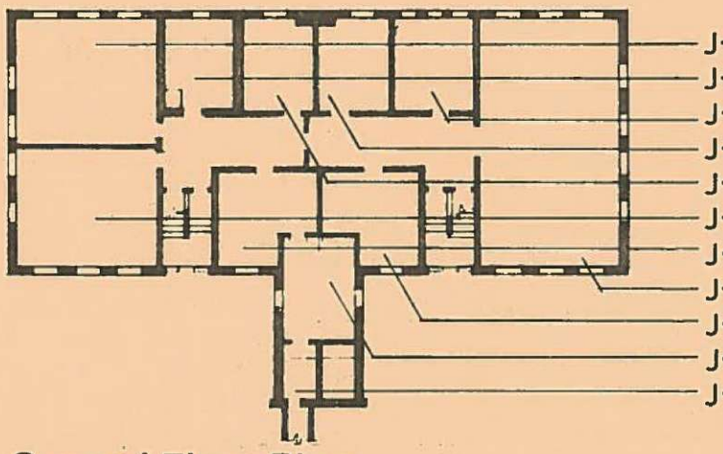
J-202	Deaf-Blind Therapy Room
J-203	Bathroom
J-207	Bathroom
J-208	Dormitory Room (6 beds)
J-200	Lounge
J-201	Deaf-Blind Therapy Room
J-204	Deaf-Blind Office
J-209	Dormitory Room (6 beds)
J-206	Dorm Counselor
J-204a	Bathroom

Second Floor Plan



J-102	Dormitory Room (6 beds)
J-103	Bathroom
J-100	Lounge
J-107	Bathroom
J-109	Dormitory Room (2 beds)
J-110	Dormitory Room (2 beds)
J-108	Bathroom
J-101	Dormitory Room (6 beds)
J-104a	Bathroom
J-104	Staff Lounge
J-106	Dormitory Counselor
J-111	Dormitory Room (2 beds)
J-112	Dormitory Room (2 beds)
J-112a	Storage
J-106a	Storage
J-104b	Storage

First Floor Plan



J-002	Classroom
J-003	Bathroom
J-009	Kitchen
J-007	Social Worker and Sec.
J-006	Storage & Supply
J-001	Classroom
J-005	Staff Lounge
J-010	Classroom
J-008	Office
J-005a	Media
J-005b	Mechanical Equipment

Ground Floor Plan

Jones Hall

Scale: 1"=30'-0"

BUILDING NAME: JONES HALL (ground floor)

Room Number	Room Name	Functional Use Code	Area (SF)
J-001	Classroom	10	418
J-002	Classroom	10	440
J-003	Bathroom	00	165
J-005	Staff Lounge	10	208
J-005a	Media	10	176
J-005b	Mechanical Equipment	00	45
J-006	Storage & Supply	10	165
J-007	Social Worker & Secretary Office	10	165
J-008	Office	10	208
J-009	Kitchen	10	195
J-010	Classroom	10	880

BUILDING NAME: JONES HALL (first floor)

Room Number	Room Name	Functional Use Code	Area (SF)
J-100	Lounge	60	575*
J-101	Dormitory Room (6 beds)	60	414
J-102	Dormitory Room (6 beds)	60	414
J-103	Bathroom	60	176
J-104	Staff Lounge	60	165
J-104a	Bathroom	60	35
J-104b	Storage	60	88
J-106	Dormitory Counselor	60	154
J-106a	Storage	60	20
J-107	Bathroom	60	128
J-108	Bathroom	60	40
J-109	Dormitory Room (2 beds)	60	204
J-110	Dormitory Room (2 beds)	60	189
J-111	Dormitory Room (2 beds)	60	189
J-112	Dormitory Room (2 beds)	60	180
J-112a	Storage	60	15

*Area of the room includes the area of the closet serving the room.

BUILDING NAME: JONES HALL (second floor)

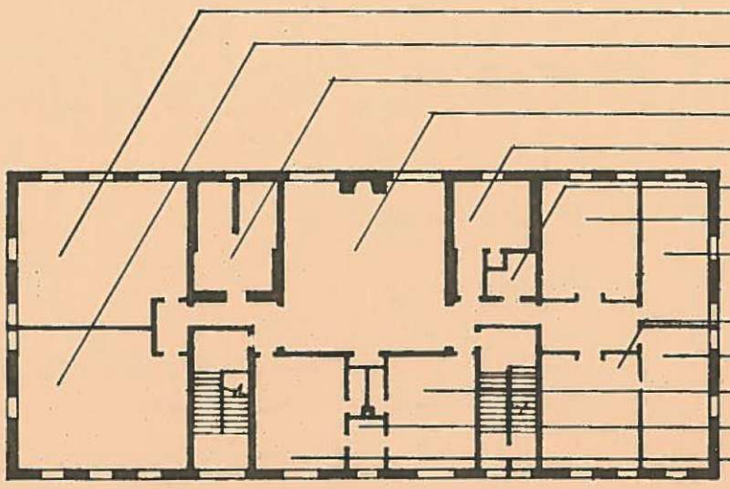
Room Number	Room Name	Functional Use Code	Area (SF)
J-200	Lounge	60	575*
J-201	Deaf-Blind Therapy Room	10	418
J-202	Deaf-Blind Therapy Room	10	440
J-203	Bathroom	00	180
J-204	Deaf-Blind Offices	10	210*
J-204a	Bathroom	00	42
J-206	Dormitory Counselor	60	210*
J-207	Bathroom	60	180
J-208	Dormitory Room (6 beds)	60	440
J-209	Dormitory Room (6 beds)	60	418

*Area of room includes the area of the closet serving the room.

ASSIGNABLE AREAS:

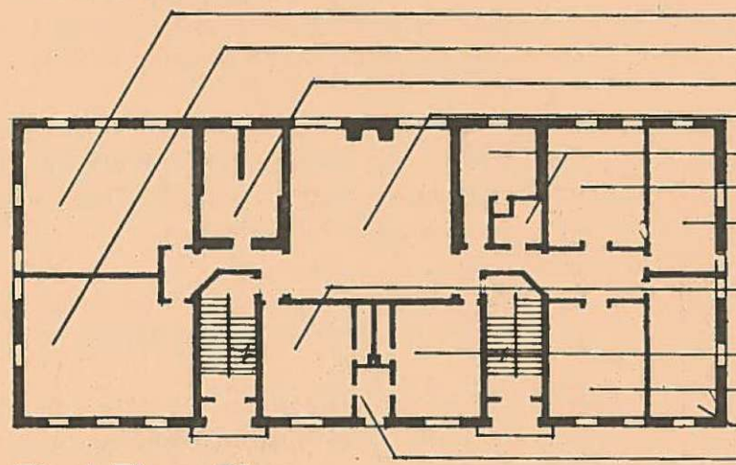
Total Code 10 (Instructional) Area = 3923 SF
Total Code 60 (Housing Facilities) = 4809 SF

BUILDING NAME	PALMER HALL
KEY PLAN NUMBER	8
BUILDING HEIGHT	Ground floor plus two stories.
USE CLASSIFICATION	Residence
FACILITIES PROVIDED	Residence for blind boys of all ages including lounges and facilities for dorm counselors.
YEAR CONSTRUCTED	1918
GENERAL DESCRIPTION	a) Structure - The building is constructed of masonry bearing walls and concrete floor slabs. The condition of the building is sound. Wood windows are in need of repair. b) Heating - The heating system is one-pipe steam. It is in fair condition but has all the disadvantages inherent in the system (lack of control, noise, no mechanical ventilation). c) Plumbing - The plumbing system was renovated in 1960. It is in good condition. d) Electrical - The electrical system was renovated in 1960. It is in good condition. e) Other Systems - A new fire protection system consisting of fire alarm stations and heat detectors was installed in 1960. The system is in good condition.
APPROXIMATE GROSS AREA	17,600 square feet.
ADEQUACY FOR USE CLASSIFICATION	Although the building is effectively used as a housing facility, there is an apparent lack of adequate meeting rooms for Boy Scouts, Cub Scouts and other similar activities. The ground floor space used for recreation does not serve well in this capacity. There is a need for recreation space on the second floor. There is a possibility for remodeling existing attic space for these meeting room functions but additional exits would be required.



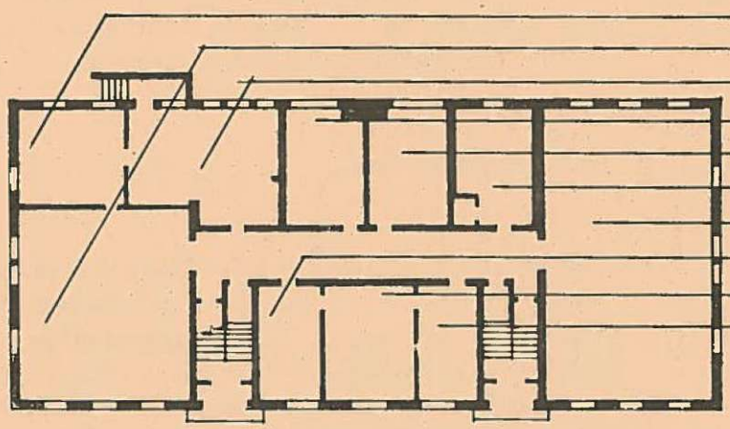
P-202 Dormitory Room (6 beds)
P-201 Dormitory Room (6 beds)
P-203 Bathroom
P-200 Lounge
P-207 Bathroom
P-208 Linen Storage
P-209 Dormitory Room (3 beds)
P-212 Dormitory Room (3 beds)
P-210 Dormitory Room (3 beds)
P-211 Dormitory Room (3 beds)
P-206 Dormitory Room (2 beds)
P-204a Bathroom
P-204 Dormitory Counselor

Second Floor Plan



P-102 Dormitory Room (6 beds)
P-101 Dormitory Room (6 beds)
P-103 Bathroom
P-100 Lounge
P-106 Bathroom and P-107 Linen
P-108 Dormitory Room (3 beds)
P-110 Dormitory Room (3 beds)
P-104 Dormitory Counselor
P-105 Dormitory Room (2 beds)
P-109 Dormitory Room (3 beds)
P-111 Dormitory Room (3 beds)
P-104a Bathroom

First Floor Plan



P-001a Storage
P-001 Recreation Room
P-003 Kitchenette
P-005 Crafts Room
P-006 Storage
P-008 Toilet
P-009 Recreation Room
P-004 Mechanical Equipment
P-004a Storage
P-007 Laundry Sorting Room

Ground Floor Plan

Palmer Hall

BUILDING NAME: PALMER HALL (ground floor)

Room Number	Room Name	Functional Use Code	Area (SF)
P-001	Recreation Room	60	837
P-001a	Storage	60	255
P-003	Kitchenette	60	255
P-004	Mechanical Equipment	00	190
P-004a	Storage	60	270
P-005	Crafts Room	60	234
P-006	Storage	60	234
P-007	Laundry Sorting Room	60	180
P-008	Toilet	60	228*
P-009	Recreation Room	60	1296

*Area of the room includes the area of the closet serving the room.

BUILDING NAME: PALMER HALL (first floor)

Room Number	Room Name	Functional Use Code	Area (SF)
P-100	Lounge	60	728
P-101	Dormitory Room (6 beds)	60	616
P-102	Dormitory Room (6 beds)	60	616
P-103	Bathroom	60	234
P-104	Dormitory Counselor	60	288*
P-104a	Bathroom	60	40
P-105	Dormitory Room (2 beds)	60	288*
P-106	Bathroom	60	156*
P-107	Linen Storage	60	48
P-108	Dormitory Room (3 beds)	60	304
P-109	Dormitory Room (3 beds)	60	304
P-110	Dormitory Room (3 beds)	60	258
P-111	Dormitory Room (3 beds)	60	258

*Area of the room includes the area of the closet serving the room.

BUILDING NAME: PALMER HALL (second floor)

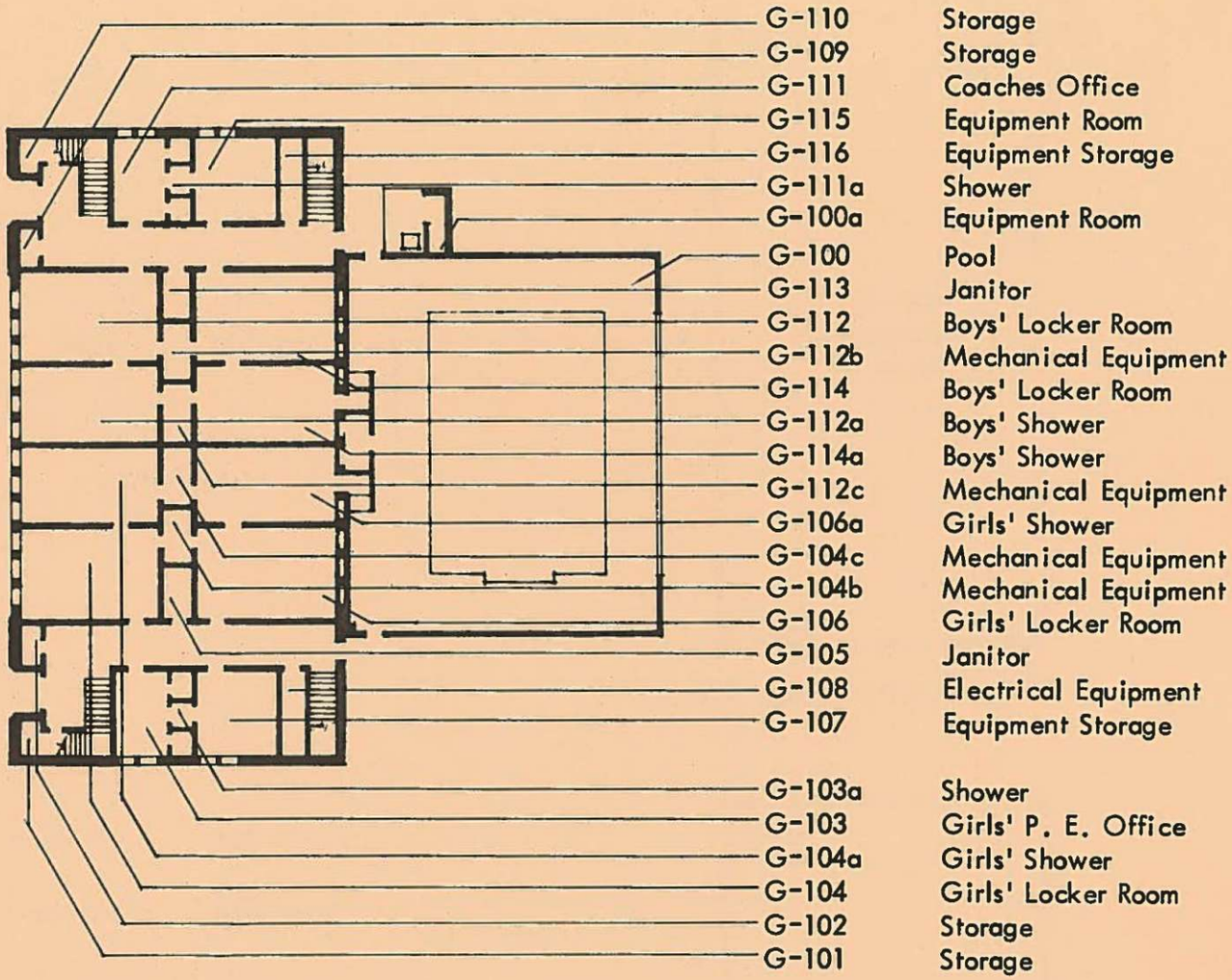
Room Number	Room Name	Functional Use Code	Area (SF)
P-200	Lounge	60	728
P-201	Dormitory Room (6 beds)	60	616
P-202	Dormitory Room (6 beds)	60	616
P-203	Bathroom	60	234
P-204	Dormitory Counselor	60	288*
P-204a	Bathroom	60	40
P-206	Dormitory Room (2 beds)	60	288*
P-207	Bathroom	60	156*
P-208	Linen Storage	60	48
P-209	Dormitory Room (3 beds)	60	304
P-210	Dormitory Room (3 beds)	60	304
P-211	Dormitory Room (3 beds)	60	258
P-212	Dormitory Room (3 beds)	60	258

*Area of the room includes the area of the closet serving the room.

ASSIGNABLE AREAS:

Total Code 60 (Housing Facilities) = 12065 SF

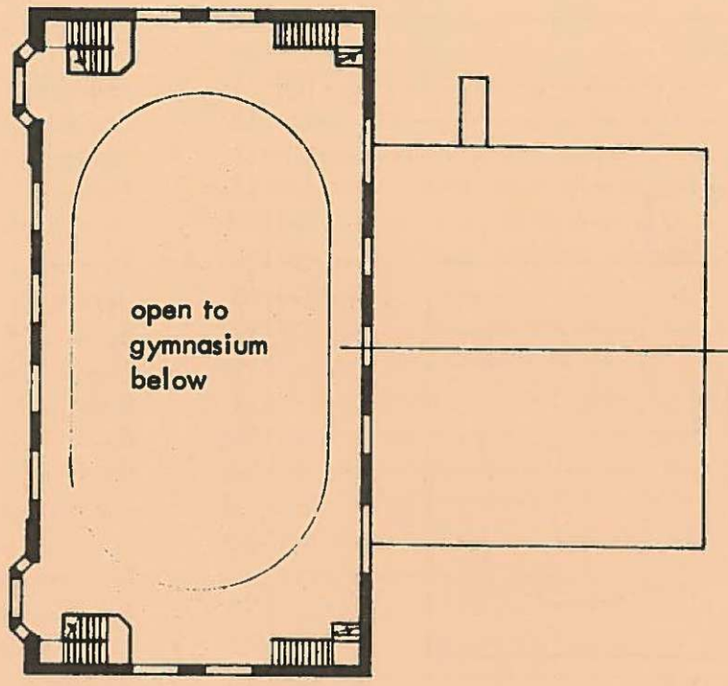
BUILDING NAME	HUBERT WORK GYMNASIUM
KEY PLAN NUMBER	9
BUILDING HEIGHT	Three stories.
USE CLASSIFICATION	Instruction
FACILITIES PROVIDED	Physical education facilities for deaf, deaf/blind, and blind boys and girls of all ages including therapy pool, running track and gymnasium as well as locker rooms and physical education offices.
YEAR CONSTRUCTED	1922
GENERAL DESCRIPTION	a) Structure - The building is constructed of masonry bearing walls and wood frame floors and roof. The condition of the building is sound. b) Heating - The heating system is a one-pipe system with heat lamps added over the gymnasium to provide supplementary heat. The operation is very inadequate and has all the disadvantages inherent in the system. c) Plumbing - The plumbing system is very inadequate and needs to be revamped. d) Electrical - The electrical system was renovated in 1960 and is in good condition. e) Other systems - A new fire protection system consisting of fire alarm stations and heat detectors was installed in 1960 and is in good condition.
APPROXIMATE GROSS AREA	21,300 square feet.
ADEQUACY FOR USE CLASSIFICATION	The gym floor is too small to be divided for girls and boys physical education classes. The running track is on the mezzanine floor and laps over the corners of the basketball floor on the second floor, thus interfering with the playing of basketball. The locker room space is inadequate for the use it receives. Ventilation in the building is poor and should be improved. The building lends itself more adequately to individual sports and activities than to team sports. No seating is provided for spectator sports. The building is inadequate for graduation exercises held here. The total number of teaching stations provided is inadequate.



First Floor Plan

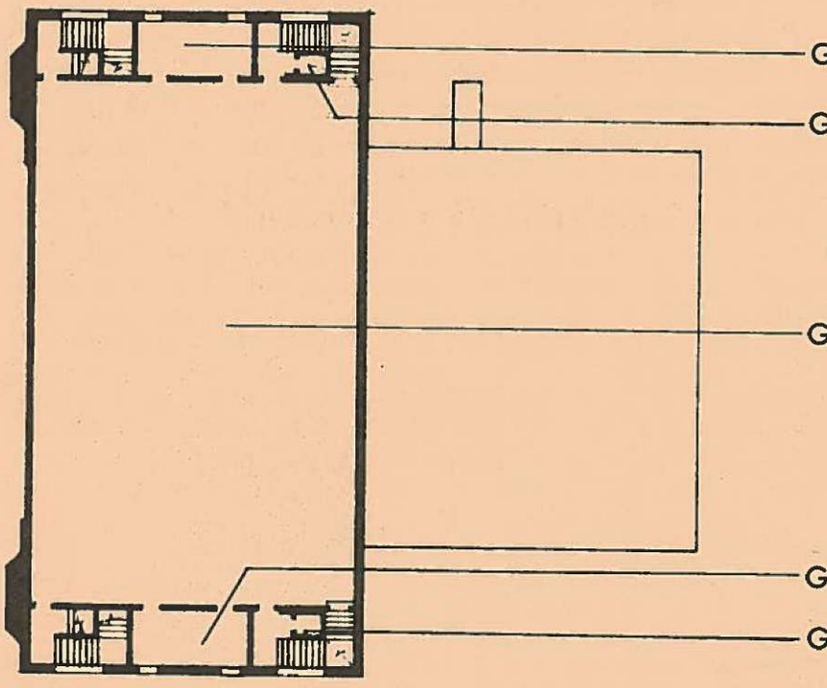
Hubert Work Gymnasium

Scale: 1"=30'-0"



G-300 Track

Mezzanine Floor Plan



G-204 Equipment Storage

G-203 Storage

G-200 Gymnasium

G-201 Equipment Storage

G-202 Storage

Second Floor Plan

Hubert Work Gymnasium

Scale: 1"=30'-0"

BUILDING NAME: HUBERT WORK GYMNASIUM (first floor)

Room Number	Room Name	Functional Use Code	Area (SF)
G-100	Pool	10	3275
G-100a	Pool Equipment Room	00	30
G-101	Storage	00	15
G-102	Storage	00	20
G-103	Girls' P.E. Office	10	140*
G-103a	Shower	10	12
G-104	Girls' Locker Room	10	345
G-104a	Girls' Shower	10	300
G-104b	Mechanical Equipment	00	40
G-104c	Mechanical Equipment	00	40
G-105	Janitor	00	40
G-106	Girls' Locker Room	10	345
G-106a	Girls' Shower	10	300
G-107	Equipment Storage	10	180
G-108	Electrical Equipment	00	55
G-109	Storage	00	20
G-110	Storage	00	15
G-111	Coaches Office	10	140*
G-111a	Shower	10	12
G-112	Boys' Locker Room	10	345
G-112a	Boys' Shower	10	300
G-112b	Mechanical Equipment	00	40
G-112c	Mechanical Equipment	00	40
G-113	Janitor	00	40
G-114	Boys' Locker Room	10	345
G-114a	Boys' Shower	10	300
G-115	Equipment Room	10	180
G-116	Equipment Storage	10	55

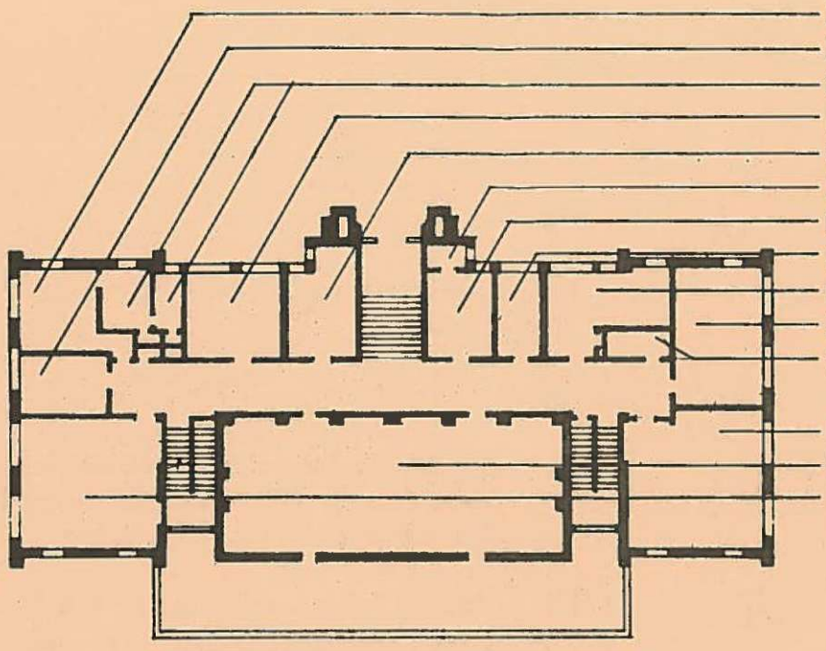
* Area of the room includes the area of the closets serving the room.

BUILDING NAME: HUBERT WORK GYMNASIUM (second & third floors)

Room Number	Room Name	Functional Use Code	Area (SF)
G-200	Gymnasium	10	4500
G-201	Equipment Storage	10	170
G-202	Storage	00	10
G-203	Storage	00	10
G-204	Equipment Storage	10	170
G-300	Track	10	2175

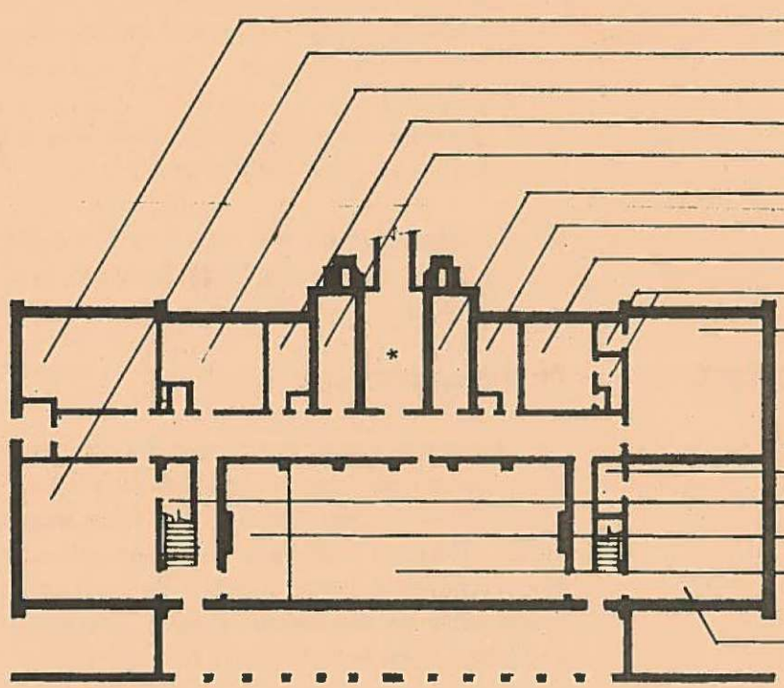
ASSIGNABLE AREAS:
Total Code 10 (Instruction) Area = 13589 SF

BUILDING NAME	RITTER HALL
KEY PLAN NUMBER	10
BUILDING HEIGHT	Ground floor plus two stories.
USE CLASSIFICATION	Housing
FACILITIES PROVIDED	Housing facilities for all deaf boys ages 5-17 including lounges.
YEAR CONSTRUCTED	1926
GENERAL DESCRIPTION	a) Structure - The building is constructed of masonry bearing walls with reinforced concrete floor slabs. The building is structurally sound. b) Heating - The heating system is a two-piece steam system in good condition. The ventilation system is inadequate. Heating controls are inadequate. c) Plumbing - The plumbing is in fair condition. The pressure is low and could be improved by replacing the old supply lines. The fixtures are antiquated. d) Electrical - Electrical system was renovated in 1962 and is in good condition. e) Other Systems - A new fire protection system consisting of fire alarm stations and heat detectors was installed in 1960 and is in good condition.
APPROXIMATE GROSS AREA	19,100 square feet.
ADEQUACY FOR USE CLASSIFICATION	The dormitory rooms are generally adequate although the second floor dorm rooms should all be classified as 2 bed dorms except Room 210, which should be a 4 bed dorm. There is inadequate storage space for luggage. No kitchenette space exists. Recreation facilities are inadequate on the second floor. The small isolated TV and play areas are difficult to supervise.



R-103 Dormitory Room (2 beds)
R-102 Dormitory Room (1 bed)
R-103a Sitting Room & 103b Bath
R-105 Toilet
R-106 Laundry
R-108a Toilet
R-108 Dormitory Room (2 beds)
R-109 Dormitory Room (1 bed)
R-110 Toilet
R-112 Dormitory Room (4 beds)
R-111 Janitor
R-113 Dormitory Room (6 beds)
R-107 Recreation Room
R-101 Dormitory Room (6 beds)

First Floor Plan



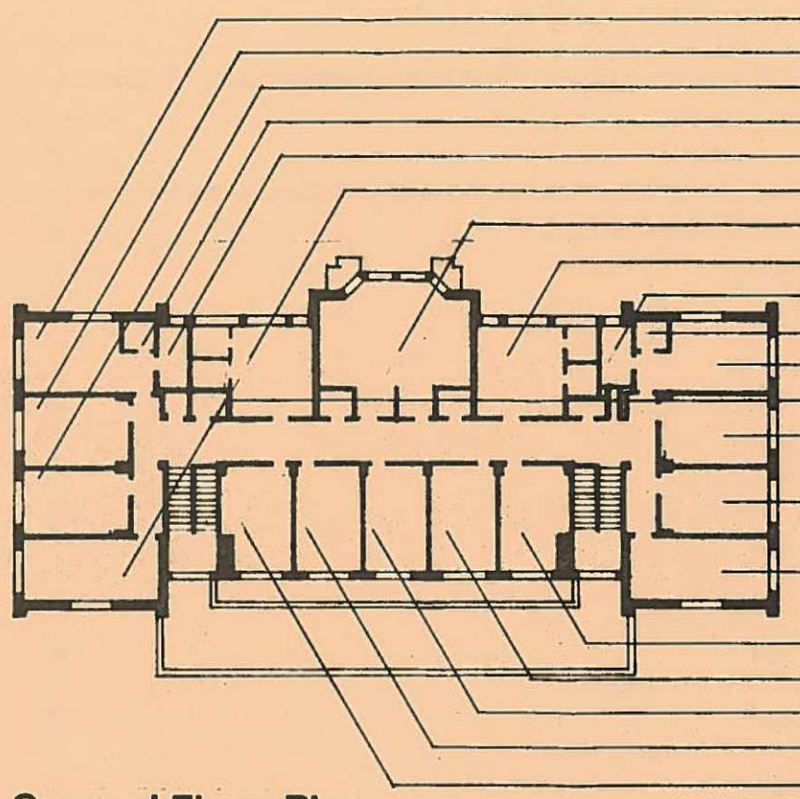
R-002 Lounge
R-001 Dormitory Room (6 beds)
R-004 Dormitory Room (2 beds)
R-006 Toilet
R-008 Storage
R-010 Storage
R-012 Toilet
R-013 Dormitory Room (1 bed)
R-013a and 014a Storage
R-014 Dormitory Room (6 beds)
R-015a Storage
R-001a Storage
R-007a Platform
R-007 Recreation Room
R-015 Dormitory Room (6 beds)

Ground Floor Plan

*R-009 Mechanical Equipment

Ritter Hall

Scale: 1"=30'-0"



R-204	Dormitory Counselor
R-203	Dormitory Room (3 beds)
R-202	Dormitory Room (3 beds)
R-204a	Storage
R-204b	Bathroom
R-206	Bathroom
R-210	Dormitory Room (6 beds)
R-215	Bathroom
R-217b	Bathroom
R-217a	Storage
R-217	Staff Room
R-201	TV Room
R-218	Dormitory Room (3 beds)
R-219	Dormitory Room (3 beds)
R-220	TV Room
R-214	Dormitory Room (2 beds)
R-213	Dormitory Room (2 beds)
R-211	Dormitory Room (2 beds)
R-208	Dormitory Room (2 beds)
R-207	Dormitory Room (2 beds)

Second Floor Plan

Ritter Hall

Scale: 1"=30'-0"

BUILDING NAME: RITTER HALL (ground floor)

Room Number	Room Name	Functional Use Code	Area (SF)
R-001	Dormitory Room (6 beds)	60	485
R-001a	Storage	60	40
R-002	Lounge	60	330
R-004	Dormitory Room (2 beds)	60	210
R-006	Toilet	60	70
R-007	Recreation Room	60	970
R-007a	Platform	60	220
R-008	Storage	60	110
R-009	Mechanical Equipment	00	180
R-010	Storage	60	110
R-012	Toilet	60	70
R-013	Dormitory (1 bed)	60	155
R-013a	Storage	60	25
R-014	Dormitory (6 beds)	60	460
R-014a	Storage	60	20
R-015	Dormitory Room (6 beds)	60	484
R-015a	Storage	60	40

BUILDING NAME: RITTER HALL (first floor)

Room Number	Room Name	Functional Use Code	Area (SF)
R-101	Dormitory Room (6 beds)	60	460
R-102	Dormitory Room (1 bed)	60	140
R-103	Dormitory Room (2 beds)	60	155
R-103a	Sitting Room	60	100*
R-103b	Bath	60	40*
R-105	Toilet	60	210
R-106	Laundry	60	175
R-107	Recreation Room	60	1190
R-108	Dormitory Room (2 beds)	60	140
R-108a	Toilet	60	25
R-109	Dormitory Room (1 bed)	60	100
R-110	Toilet	60	320
R-111	Janitor	00	40
R-112	Dormitory Room (4 beds)	60	310
R-113	Dormitory Room (6 beds)	60	485

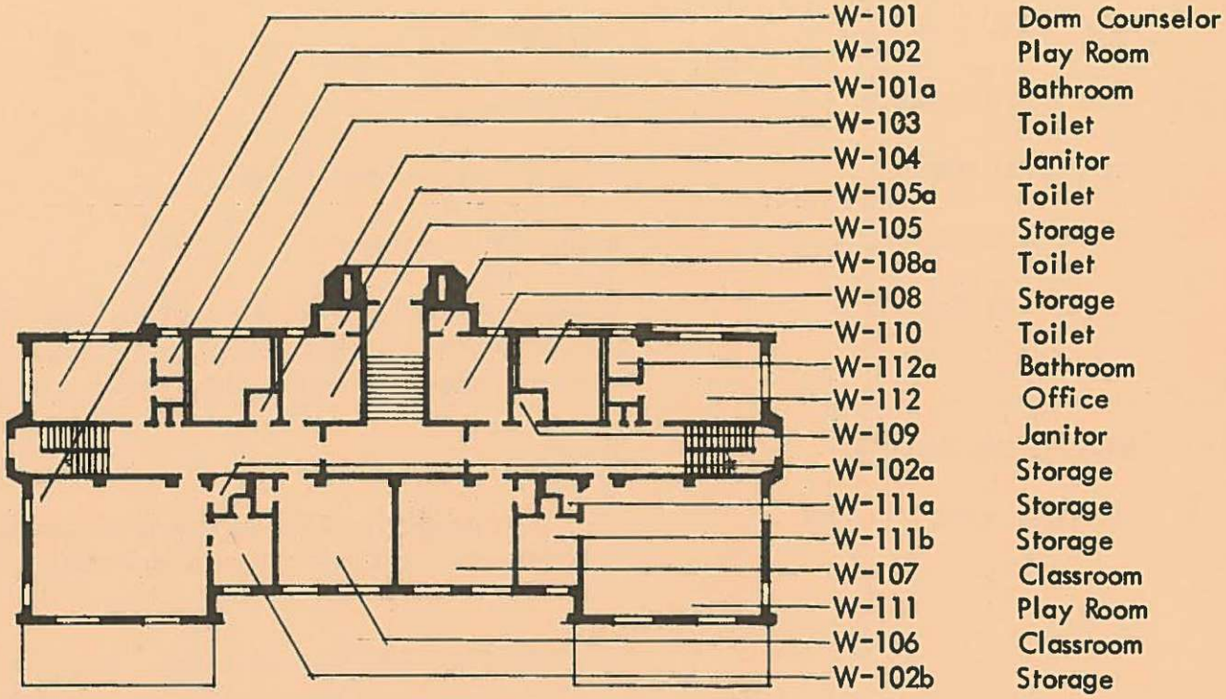
*Area of the room includes the area of the closet serving the room.

BUILDING NAME: RITTER HALL (second floor)

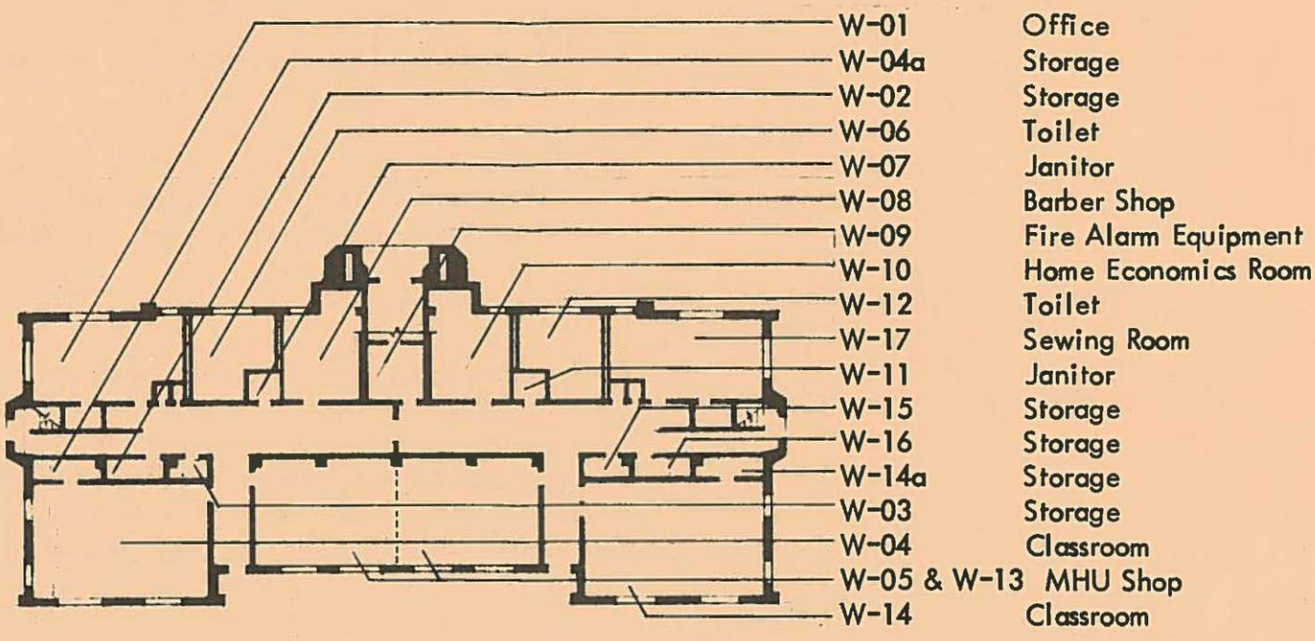
Room Number	Room Name	Functional Use Code	Area (SF)
R-201	T.V. Room	60	220
R-202	Dormitory Room (3 beds)	60	170
R-203	Dormitory Room (3 beds)	60	185
R-204	Dormitory Counselor	60	200
R-204a	Storage	60	25
R-204b	Bathroom	60	50
R-206	Bathroom	60	270
R-207	Dormitory Room (2 beds)	60	190
R-208	Dormitory Room (2 beds)	60	190
R-210	Dormitory Room (6 beds)	60	500
R-211	Dormitory Room (2 beds)	60	170
R-213	Dormitory Room (2 beds)	60	190
R-214	Dormitory Room (2 beds)	60	190
R-215	Bathroom	60	270
R-217	Staff Room	60	200
R-217a	Storage	60	25
R-217b	Bathroom	60	50
R-218	Dormitory Room (3 beds)	60	185
R-219	Dormitory Room (3 beds)	60	170
R-220	T.V. Room	60	220

ASSIGNABLE AREA:
Total Code 60 (Housing Facilities) Area = 11319 SF

BUILDING NAME	WEST HALL
KEY PLAN NUMBER	11
BUILDING HEIGHT	Ground floor plus two stories
USE CLASSIFICATION	Instructional and housing facilities.
FACILITIES PROVIDED	Facilities for multiple handicapped deaf boys and girls ages 7-18 including dormitories, play rooms, lounges dorm counselor's facilities, classrooms and offices.
YEAR CONSTRUCTED	1931
GENERAL DESCRIPTION	a) Structure - The building is a reinforced concrete structure with masonry exterior walls. It is in very sound condition. b) Heating - The heating system is two-pipe system in good condition. Ventilation is inadequate. c) Plumbing - The plumbing system for the building is satisfactory. d) Electrical - The electrical system was renovated in 1960 and is in good condition. e) Other Systems - A new fire protection system consisting of fire alarm stations and heat detectors was installed in 1960 and is in good condition.
APPROXIMATE GROSS AREA	17,730 square feet.
ADEQUACY FOR USE CLASSIFICATION	The building is not adequate for the functions it houses. The M.H. Program is operating as a basement program in some facilities designed for dormitory use. The M.H. Unit shop generates noise problems and is in need of a dust-collection system. The play areas on the second floor are too small. Additional luggage space is needed.



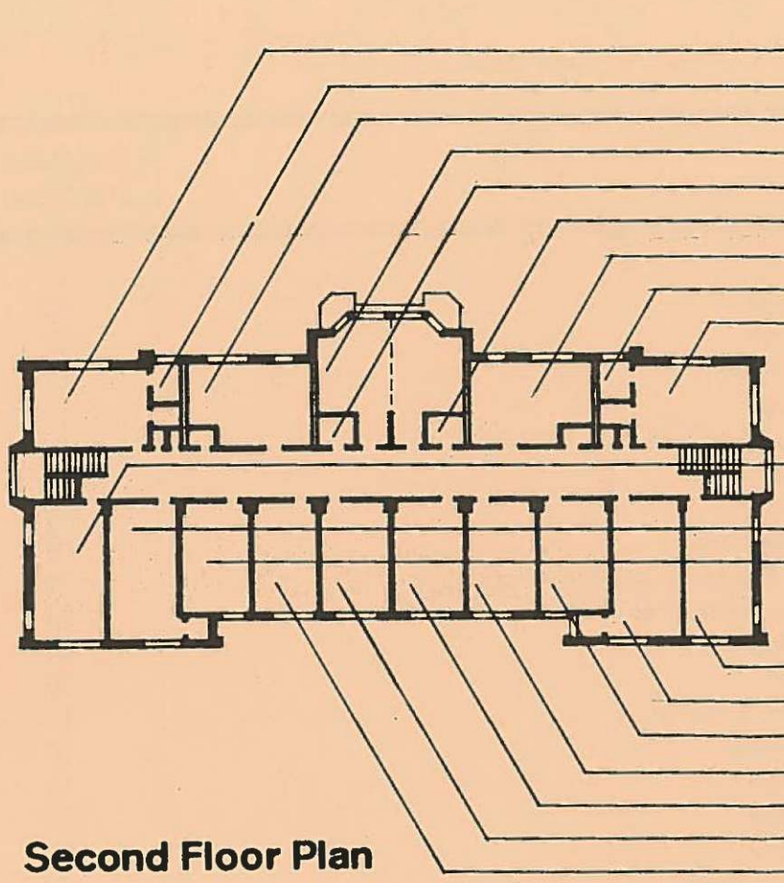
First Floor Plan



Ground Floor Plan

West Hall

Scale: 1"=30'-0"



TV Room and Dorm Counselor
Bathroom
Bathroom
Lounge
Storage
Storage
Bathroom
Bathroom
TV Room and Dorm Counselor

Dormitory Room (3 beds)
Dormitory Room (3 beds)
Dormitory Room (3 beds)

Dormitory Room (3 beds)
Dormitory Room (3 beds)
Dormitory Room (3 beds)
Dormitory Room (3 beds)
Dormitory Room (3 beds)
Dormitory Room (3 beds)
Dormitory Room (3 beds)

Second Floor Plan

West Hall

Scale: 1"=30'-0"

BUILDING NAME: WEST HALL (ground floor)

Room Number	Room Name	Functional Use Code	Area (SF)
W-01	Office	10	312
W-02	Storage	00	25
W-03	Storage	00	18
W-04	Classroom	10	504
W-04a	Storage	10	30
W-05	1/2 of MHU Shop	10	414
W-06	Toilet	00	169
W-07	Janitor	00	25
W-08	Barber Shop	60	192
W-09	Fire Alarm Equipment	00	80
W-10	Home Economics Room	10	192
W-11	Janitor	00	25
W-12	Toilet	00	169
W-13	1/2 of MHU Shop	10	414
W-14	Classroom	10	504
W-14a	Storage	10	30
W-15	Storage	00	18
W-16	Storage	00	25
W-17	Sewing Room	10	312

BUILDING NAME: WEST HALL (first floor)

Room Number	Room Name	Functional Use Code	Area (SF)
W-101	Dormitory Counselor	60	170*
W-101a	Bathroom	60	30
W-102	Play Room	60	620
W-102a	Storage	60	20
W-102b	Storage	60	120*
W-103	Toilet	60	169
W-104	Janitor	00	25
W-105	Storage	60	169
W-105a	Toilet	60	20
W-106	Classroom	10	360*
W-107	Classroom	10	360*
W-108	Storage	60	169
W-108a	Toilet	60	20
W-109	Janitor	00	25
W-110	Toilet	60	120
W-111	Play Room	60	620
W-111a	Storage	60	20
W-111b	Storage	60	120*
W-112	Office	10	270*
W-112a	Bathroom	00	30

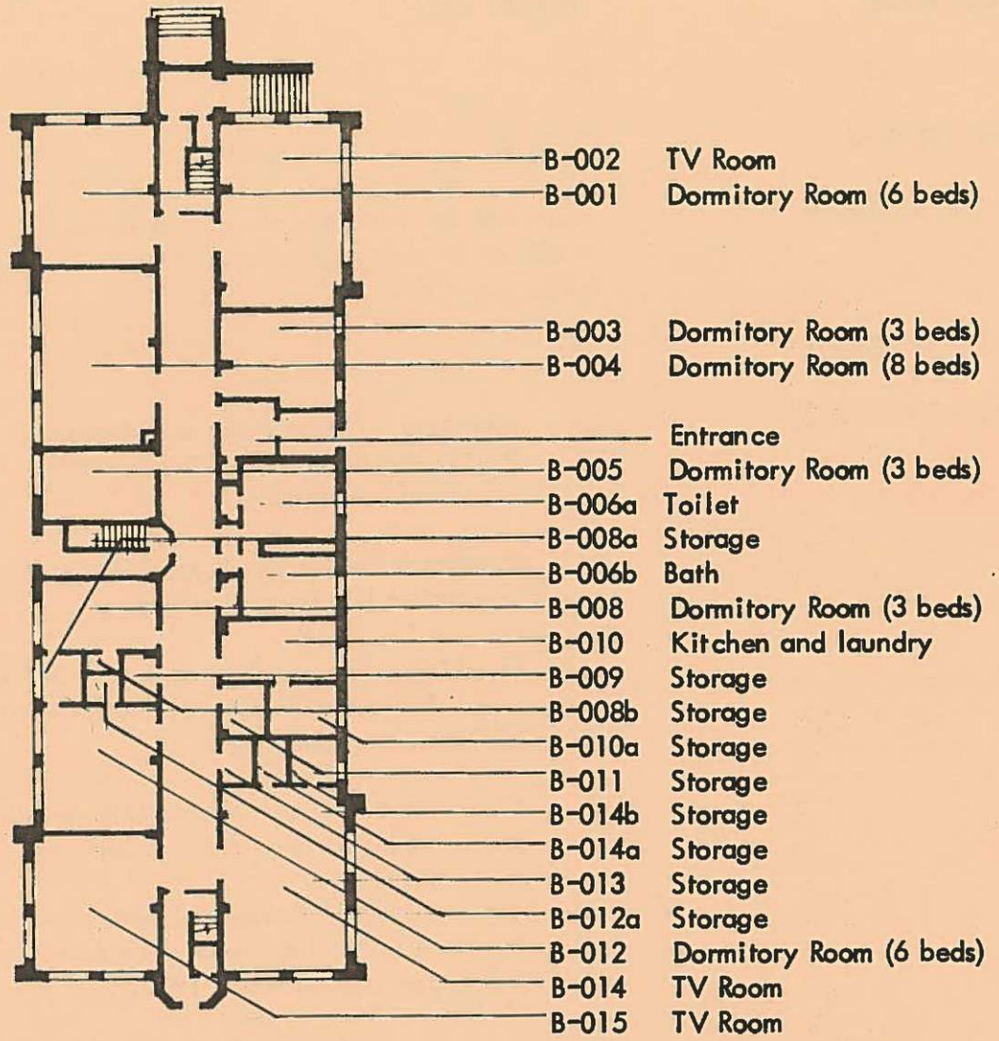
*Area of the room includes the area of the closet serving the room.

BUILDING NAME: WEST HALL (second floor)

Room Number	Room Name	Functional Use Code	Area (SF)
W-201	Dormitory Room (3 beds)	60	275
W-202	Dormitory Counselor	60	250*
W-202a	Bathroom	60	30
W-203	Dormitory Room (3 beds)	60	265*
W-205	Dormitory Room (3 beds)	60	200
W-206	Bathroom	60	260
W-207	Dormitory Room (3 beds)	60	180
W-208	Storage	60	30
W-209	Dormitory Room (3 beds)	60	200
W-210	Lounge	60	180
W-211	Lounge	60	180
W-212	Storage	60	30
W-213	Dormitory Room (3 beds)	60	200
W-214	Dormitory Room (3 beds)	60	200
W-215	Bathroom	60	260
W-216	Dormitory Room (3 beds)	60	200
W-218	Dormitory Room (3 beds)	60	265*
W-219	Dormitory Counselor	60	250*
W-219a	Bathroom	60	30
W-220	Dormitory Room (3 beds)	60	275

*Area of the room includes the area of the closet serving the room.
ASSIGNABLE AREAS:
Total Code 10 (Instructional) Area = 3702 SF
Total Code 60 (Housing Facilities) Area = 6339 SF

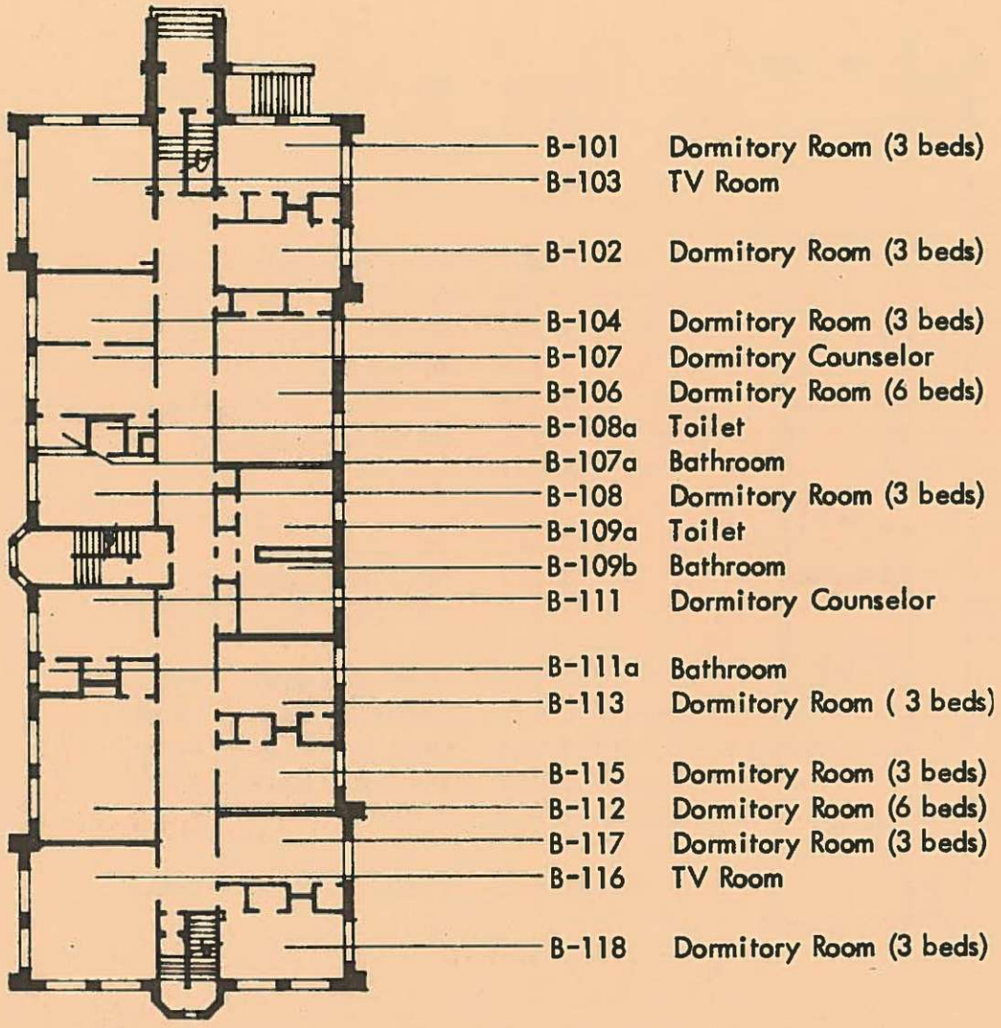
BUILDING NAME	BROWN HALL
KEY PLAN NUMBER	12
BUILDING HEIGHT	Ground floor plus three stories
USE CLASSIFICATION	Dormitory for deaf girls of all ages including facilities for dorm counselors, lounges, and a recreational game room.
YEAR CONSTRUCTED	1941
GENERAL DESCRIPTION	a) Structure - The building is a reinforced concrete structure with masonry exterior walls. The building is in sound condition. b) Heating - The heating system is two-pipe steam. The system is in good condition. c) Plumbing - The plumbing system is in fair condition. There are inadequate shower and sink facilities on ground floor. d) Electrical - The electrical system is in fair condition. Fixtures are in poor condition. e) Other Systems - A new fire protection system was installed in 1960 and is in good condition. A wet system was added in 1975. f) Remarks - The building is in good condition with the possible exception of the electrcial system.
APPROXIMATE GROSS AREA	25,977 square feet.
ADEQUACY FOR USE CLASSIFICATION	During the Fall of 1975, the building was undergoing some minor remodeling to enclose the stairs so they would meet the building code exiting requirements. The building is judged adequate for the type of functions it houses.



Ground Floor Plan

Brown Hall

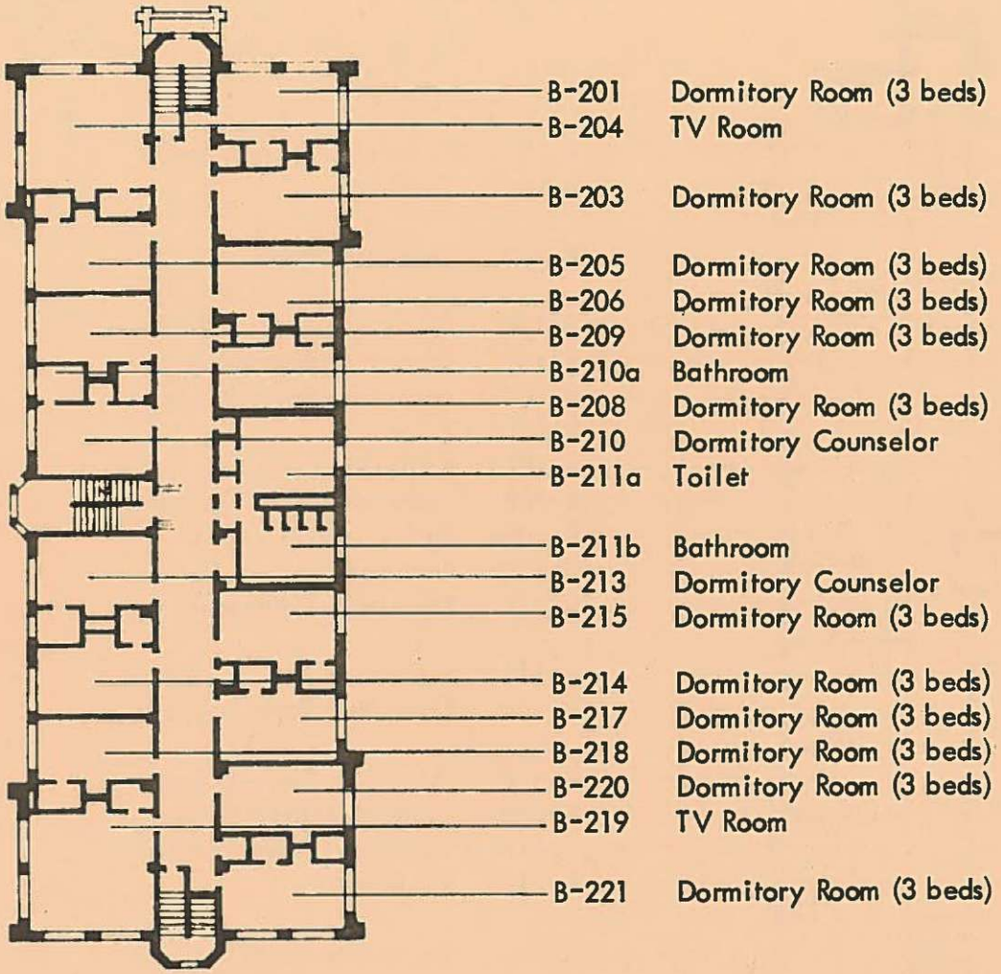
Scale: 1"=30'-0"



First Floor Plan

Brown Hall

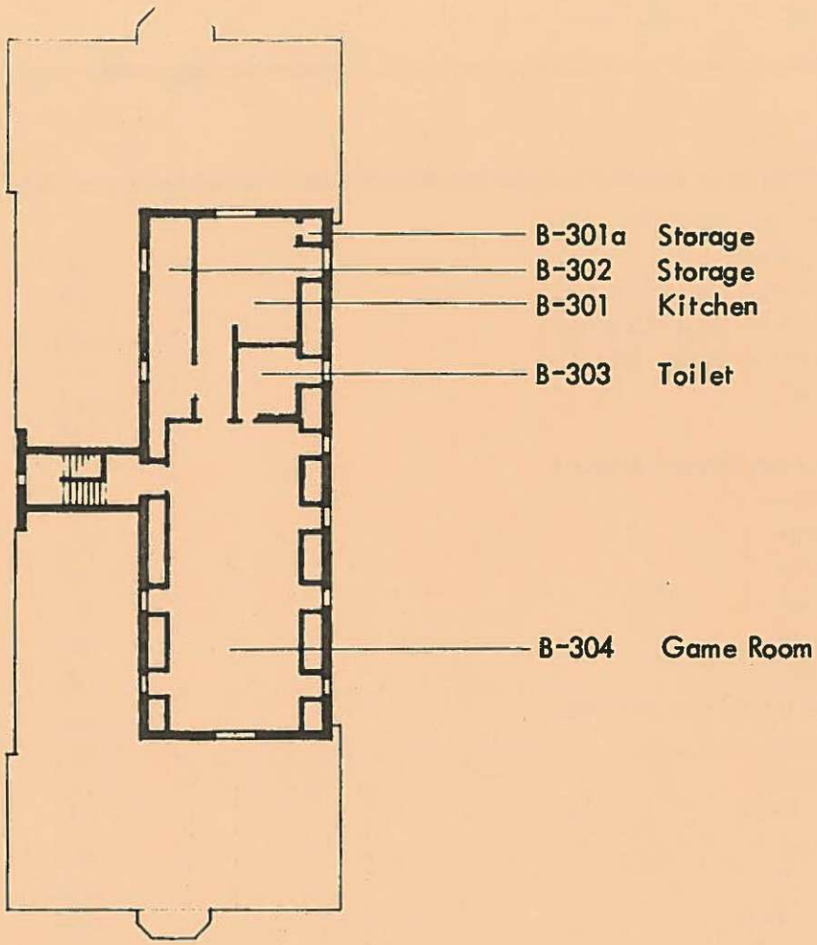
Scale: 1"=30'-0"



Second Floor Plan

Brown Hall

Scale: 1"=30'-0"



Third Floor Plan

Brown Hall

Scale: 1"=30'-0"

BUILDING NAME: BROWN HALL (ground floor)

Room Number	Room Name	Functional Use Code	Area (SF)
B-001	Dormitory Room (6 beds)	60	460
B-002	T.V. Room	60	600
B-003	Dormitory Room (3 beds)	60	285
B-004	Dormitory Room (8 beds)	60	551
B-005	Dormitory Room (3 beds)	60	228
B-006a	Toilet	60	180
B-006b	Bath	60	150
B-008	Dormitory Room (3 beds)	60	228
B-008a	Storage	60	48
B-008b	Storage	60	15
B-009	Storage	60	40
B-010	Kitchen & Laundry	60	190
B-010a	Storage	60	88
B-011	Storage	60	48
B-012	Dormitory Room (6 beds)	60	380
B-012a	Storage	60	24
B-013	Storage	60	35
B-014	T.V. Room	60	600
B-104a	Storage	60	35
B-014b	Storage	60	50
B-015	T.V. Room	60	440

BUILDING NAME: BROWN HALL (first floor)

Room Number	Room Name	Functional Use Code	Area (SF)
B-101	Dormitory Room (3 beds)	60	260*
B-102	Dormitory Room (3 beds)	60	260*
B-103	T.V. Room	60	460
B-104	Dormitory Room (3 beds)	60	209
B-106	Dormitory Room (6 beds)	60	494*
B-107	Dormitory Counselor	60	209*
B-107a	Bathroom	60	40
B-108	Dormitory Room (3 beds)	60	228
B-108a	Toilet	60	25
B-109a	Toilet	60	180
B-109b	Bathroom	60	150
B-111	Dormitory Counselor	60	228*
B-111a	Bathroom	60	40
B-112	Dormitory Room (6 beds)	60	494
B-113	Dormitory Room (3 beds)	60	247*
B-115	Dormitory Room (3 beds)	60	247*
B-116	T.V. Room	60	440
B-117	Dormitory Room (3 beds)	60	260*
B-118	Dormitory Room (3 beds)	60	260*

*Area for the room includes the area of the clothes closet serving the room.

BUILDING NAME: BROWN HALL (second floor)

Room Number	Room Name	Functional Use Code	Area (SF)
B-201	Dormitory Room (3 beds)	60	260*
B-203	Dormitory Room (3 beds)	60	260*
B-204	T.V. Room	60	420*
B-205	Dormitory Room (3 beds)	60	247*
B-206	Dormitory Room (3 beds)	60	247*
B-208	Dormitory Room (3 beds)	60	247*
B-209	Dormitory Room (3 beds)	60	247*
B-210	Dormitory Counselor	60	247*
B-210a	Bathroom	60	40
B-211a	Toilet	60	180
B-211b	Bathroom	60	180
B-213	Dormitory Counselor	60	247*
B-214	Dormitory Room (3 beds)	60	247*
B-215	Dormitory Room (3 beds)	60	247*
B-217	Dormitory Room (3 beds)	60	247*
B-218	Dormitory Room (3 beds)	60	247*
B-219	T.V. Room	60	420*
B-220	Dormitory Room (3 beds)	60	247*
B-221	Dormitory Room (3 beds)	60	247*

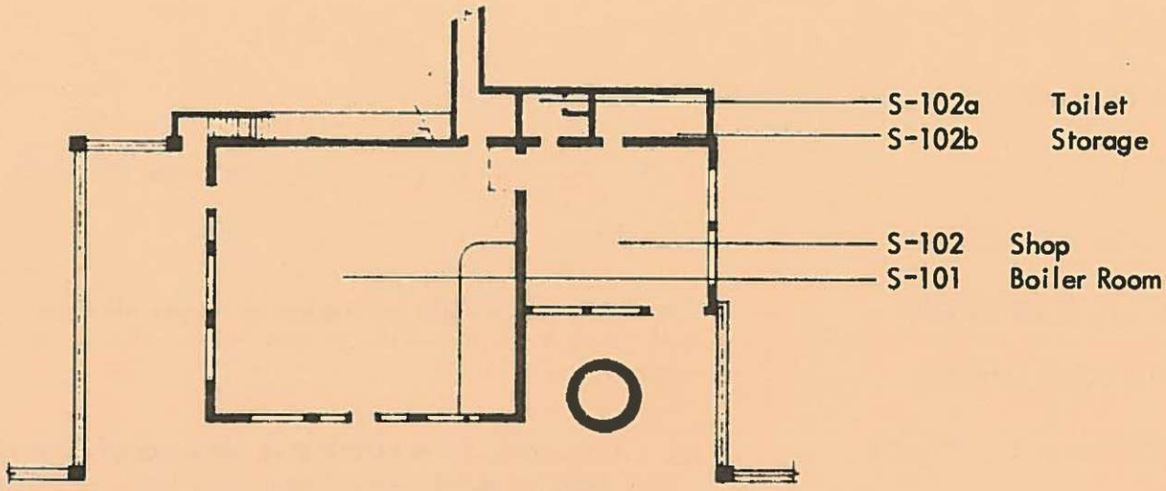
*Area for the room includes the area of the clothes closet serving the room.

BUILDING NAME: BROWN HALL (third floor)

Room Number	Room Name	Functional Use Code	Area (SF)
B-301	Kitchen	60	320
B-301a	Storage	60	12
B-302	Storage	60	231
B-303	Toilet	60	100
B-304	Game Room	60	1100

ASSIGNABLE AREAS:
Total Code 60 (Housing Facilities) = 15893 SF
Capacity: 101 beds

BUILDING NAME	STEAM PLANT
KEY PLAN NUMBER	13
BUILDING HEIGHT	One story
USE CLASSIFICATION	Physical plant operation and maintenance.
FACILITIES PROVIDED	Steam plant for the entire campus, shop for maintenance and storage.
YEAR CONSTRUCTED	1926
GENERAL DESCRIPTION	a) Structure - The building is constructed of masonry walls, concrete and steel framing. b) Heating - The building is heated with a one-pipe system. Heating pipes are in fair condition. c) Plumbing - The plumbing for the building is adequate with a certain amount of repairs required, d) Electrical - The building was rewired in 1960 and the system is in good condition. e) Remarks - The building is structurally sound. Currently, the boiler is being converted to coal with existing gas standby in addition to existing oil standby energy source.
APPROXIMATE GROSS AREA	3,500 square feet.
ADEQUACY FOR USE CLASSIFICATION	See section regarding utilities.



Ground Floor Plan

Steam Plant

Scale: 1"=30'-0"

BUILDING NAME: STEAM PLANT

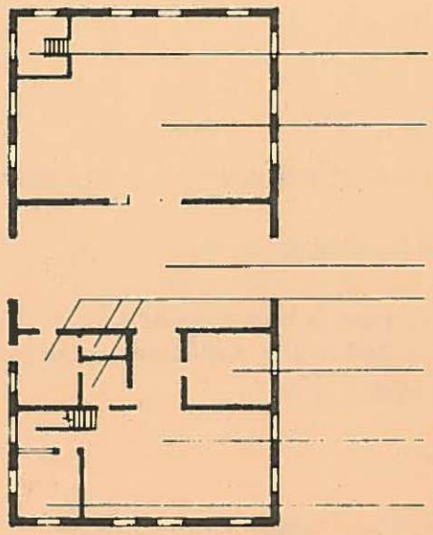
Room Number	Room Name	Functional Use Code	Area (SF)
S-101	Boiler Room	55	2200
S-102	Shop	55	780
S-102a	Toilet	55	77*
S-102b	Storage	55	126

*Area of the room includes the area of the closet serving the room.

ASSIGNABLE AREAS:

Total Code 55 (Physical Plant Operation & Maintenance) = 3183 SF

BUILDING NAME	BARN
KEY PLAN NUMBER	14
BUILDING HEIGHT	Partial basement plus first floor plus large loft space
USE CLASSIFICATION	Instruction
FACILITIES PROVIDED	Wrestling and weight lifting for all boys, all ages.
YEAR CONSTRUCTED	1910
GENERAL DESCRIPTION	a) Structure - The building is constructed of masonry bearing walls, wood frame floor and roof structure. The condition of the structure is unsafe. b) Heating - The heating system is one-pipe steam. It is in poor condition. c) Plumbing - The building has no plumbing. d) Electrical - The electrical system is in very poor condition. e) Other systems - No fire protection. f) Remarks - The building is unsound and unsafe.
APPROXIMATE GROSS AREA	3,700 square feet.
ADEQUACY FOR USE CLASSIFICATION	The building was not designed for its present use and is not suitable for an academic building. The building is unsafe and does not warrant the expensive repairs required to put it into a usable condition. It is recommended the building be torn down and the functions it houses moved into new facilities.



Note:
Yard equipment storage is in the basement

First Floor Plan

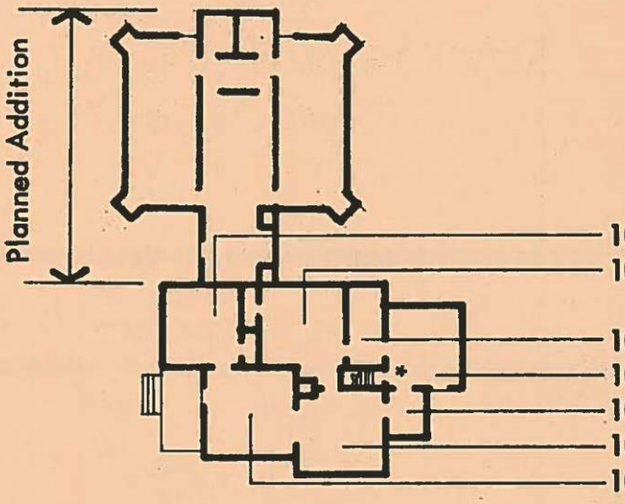
Barn

Scale: 1"=30'-0"

BUILDING NAME: BARN

Room Number	Room Name	Functional Use Code	Area (SF)
101	Athletic Equipment	10	820
101a	Vacated Space	80	215
102	Wrestling Room	10	1140
102a	Storage	10	75
103	Weight Room	10	540
103a	Storage	10	155
103b	Storage	10	100
	Note: Some yard equipment storage is provided in the basement.		

BUILDING NAME	DEAF/BLIND UNIT 2
KEY PLAN NUMBER	15a
BUILDING HEIGHT	One story plus partial basement plus attic space.
USE CLASSIFICATION	Instruction and housing facilities.
FACILITIES PROVIDED	Presently the cottage is being remodeled so it can be used as a deaf/blind living and classroom facility for boys and girls ages 5-17.
YEAR CONSTRUCTED	Not available
GENERAL DESCRIPTION	The original building was a frame structure in poor condition. With the new addition and remodeling, the building should be adequate for short term use for the functions it is being remodeled to house.



*Stair to 1/2 basement containing mechanical equipment.

Deaf/Blind Unit 2

Scale: 1"=30'-0"

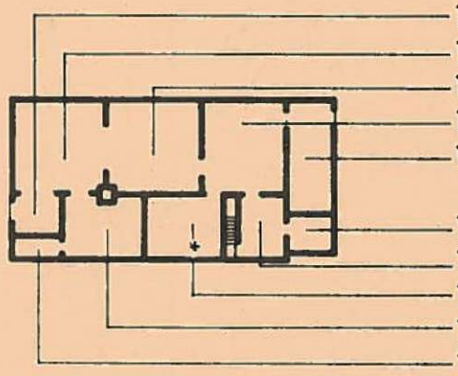
BUILDING NAME: DEAF/BLIND UNIT 2

Room Number	Room Name	Functional Use Code	Area (SF)
101	Bedroom	60	170*
102	Bedroom	60	185*
103	Bathroom	60	60
104	Kitchen	60	135
105	Pantry	60	40
106	Dining Room	60	175
107	Living Room	60	195
108	Vestibule	00	108
109	Activity Room	60	264
110	Boys' Dormitory (3 beds plus 1 future bed)	60	310
111	Boys' Toilet	60	30
112	Girls' Toilet	60	30
113	Girls' Dormitory (3 beds plus 1 future bed)	60	310
	NOTE: Rooms No. 108 through 113 are part of the planned addition to the Deaf/Blind Unit 2.		

*Area of room includes area of closet serving the room.

ASSIGNABLE AREAS:
Total Code 60 (Housing Facilities) Area = 1904 SF

BUILDING NAME	DEAF/BLIND UNIT 3
KEY PLAN NUMBER	15b
BUILDING HEIGHT	One story plus attic space.
USE CLASSIFICATION	Unassigned area
FACILITIES PROVIDED	Living room, dining room, kitchen and bathroom plus three bedrooms.
YEAR CONSTRUCTED	Not available
GENERAL DESCRIPTION	This building is of wood frame construction generally in poor condition. Presently the building is being remodeled for temporary use by the Deaf/Blind Program. The house does not warrant expenditures required for repair and it is recommended the building be torn down.



101 Entry
102 Living Room
103 Dining Room
104 Kitchen
105 Porch
106 Bathroom
107 Bedroom
108 Bedroom
109 Bedroom
110 Closet

*Stair to attic space

Deaf/Blind Unit 3

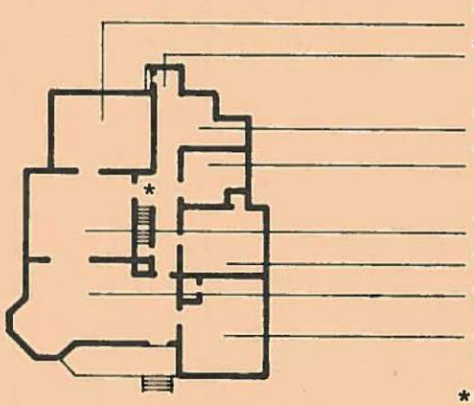
Scale: 1"=30'-0"

BUILDING NAME: DEAF/BLIND UNIT 3

Room Number	Room Name	Functional Use Code	Area (SF)
101	Entry	00	40
102	Living Room	80	195
103	Dining Room	80	195
104	Kitchen	80	170
105	Porch	80	120
106	Bathroom	80	30
107	Bedroom	80	70
108	Bedroom	80	120
109	Bedroom	80	120
110	Closet	80	20

ASSIGNABEL AREAS:
Total Code 80 (Unassigned) Area = 1040 SF

BUILDING NAME	VOCATIONAL COTTAGE
KEY PLAN NUMBER	15c
BUILDING HEIGHT	One story plus attic space.
USE CLASSIFICATION	Instruction
FACILITIES PROVIDED	Kitchen, dining room, living room, offices, conference room, an abandoned attic space containing bedrooms and a bath.
YEAR CONSTRUCTED	Not available
GENERAL DESCRIPTION	Building is a wood frame structure used as a living skills training center for the blind boys and girls 5-12. Generally speaking, the building is in poor condition and does not warrant expenditures required for repairs and maintenance. It is recommended the building be torn down and functions housed therein replaced in new facilities.



*Stair up to abandoned bedrooms and bath

Vocational Cottage

Scale: 1"=30'-0"

BUILDING NAME: VOCATIONAL COTTAGE

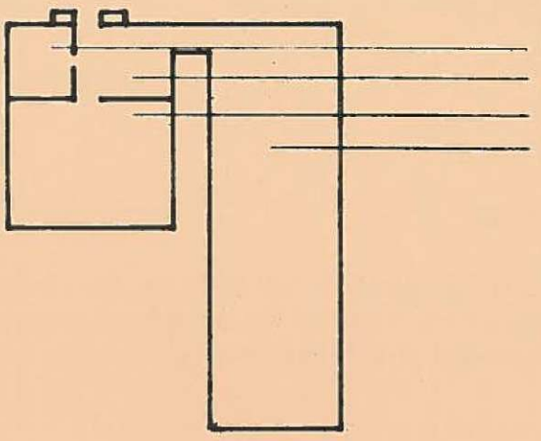
Room Number	Room Name	Functional Use Code	Area (SF)
101	Entry	00	15
102	Storage	10	60
103	Bathroom	10	75
104	Conference	10	140
105	Offices	10	195
106	Living Room	10	325
107	Dining Room	10	230
108	Kitchen	10	190
	Note: Attic space contains several abandoned bedrooms and a bath.		

ASSIGNABLE AREAS:
Total Code 10 (Instruction) Area = 1215 SF

BUILDING NAME	VOCATIONAL REHABILITATION UNIT
KEY PLAN NUMBER	15d
BUILDING HEIGHT	One story plus attic space
USE CLASSIFICATION	Instruction
FACILITIES PROVIDED	Vocational rehabilitation offices
YEAR CONSTRUCTED	Not available
GENERAL DESCRIPTION	The building is of wood frame construction in need of repairs and modernization. The house does not warrant the expenses required for repairs and it is recommended it be torn down. No floor plan has been provided for this building.

BUILDING NAME	RENTAL COTTAGE
KEY PLAN NUMBER	15e
BUILDING HEIGHT	One story plus attic space
USE CLASSIFICATION	Rental cottage
FACILITIES PROVIDED	Residence plus a detached garage
YEAR CONSTRUCTED	Not available
GENERAL DESCRIPTION	The building is wood frame construction and is in need of repairs and modernization. The house does not warrant the expenditures required for repairs and it is recommended that it be torn down. No floor plan has been provided for this building.

BUILDING NAME	GREENHOUSE
KEY PLAN NUMBER	16
BUILDING HEIGHT	One story
USE CLASSIFICATION	Instruction
FACILITIES PROVIDED	The building houses facilities for the horticulture program which is part of the vocational program for deaf boys and girls in grades 6-12.
YEAR CONSTRUCTED	Not available
GENERAL DESCRIPTION	Building is of typical greenhouse construction utilizing glass and masonry and is in poor condition.
ADEQUACY FOR USE CLASSIFICATION	The horticulture program is a valuable part of the vocational training program. The building is in poor condition and because of its location, remodeling and renovation are not warranted. It is recommended the building be torn down and new facilities be constructed in a more suitable location.
APPROXIMATE GROSS AREA	2300 square feet



First Floor Plan

Greenhouse

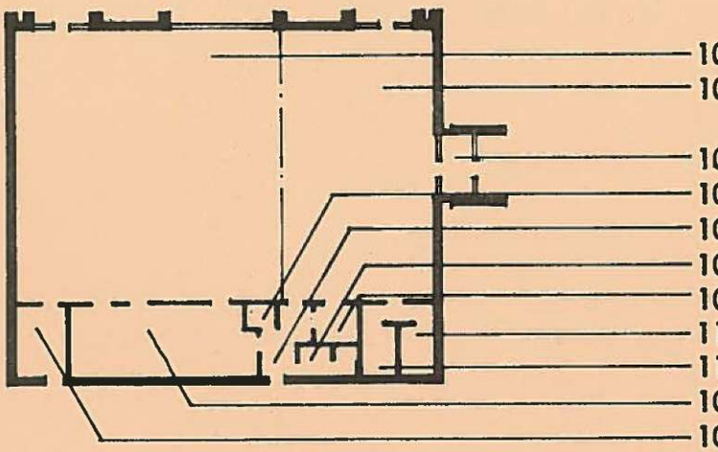
Scale: 1"=30'-0"

BUILDING NAME: GREENHOUSE

Room Number	Room Name	Functional Use Code	Area (SF)
101	Office	10	120
102	Potting Area	10	180
103	Growing Area	10	520
104	Growing Area	10	1300

ASSIGNABLE AREAS:
Total Code 10 (Instruction) Area = 2120 SF

BUILDING NAME	LIONS BUILDING
KEY PLAN NUMBER	17
BUILDING HEIGHT	One story
USE CLASSIFICATION	Dining facilities
FACILITIES PROVIDED	Dining facilities for all blind and deaf/blind students and social hall for the blind boys and girls of all ages.
YEAR CONSTRUCTED	1968
DESCRIPTION	a) Structure - Building is constructed of masonry load bearing walls with heavy timber wood frame roof structure and concrete slab on grade floor structure. Structure is in good condition. b) Heating - The heating system is a gas fired forced air furnace with a perimeter duct system installed below first floor. System is in good condition. c) Plumbing - Plumbing system is in good condition. d) Electrical - The electrical system is in good condition.
APPROXIMATE GROSS AREA	4,200 square feet.
ADEQUACY FOR USE CLASSIFICATION	The building is relatively new and was designed for the function it houses.



First Floor Plan

Lions Building

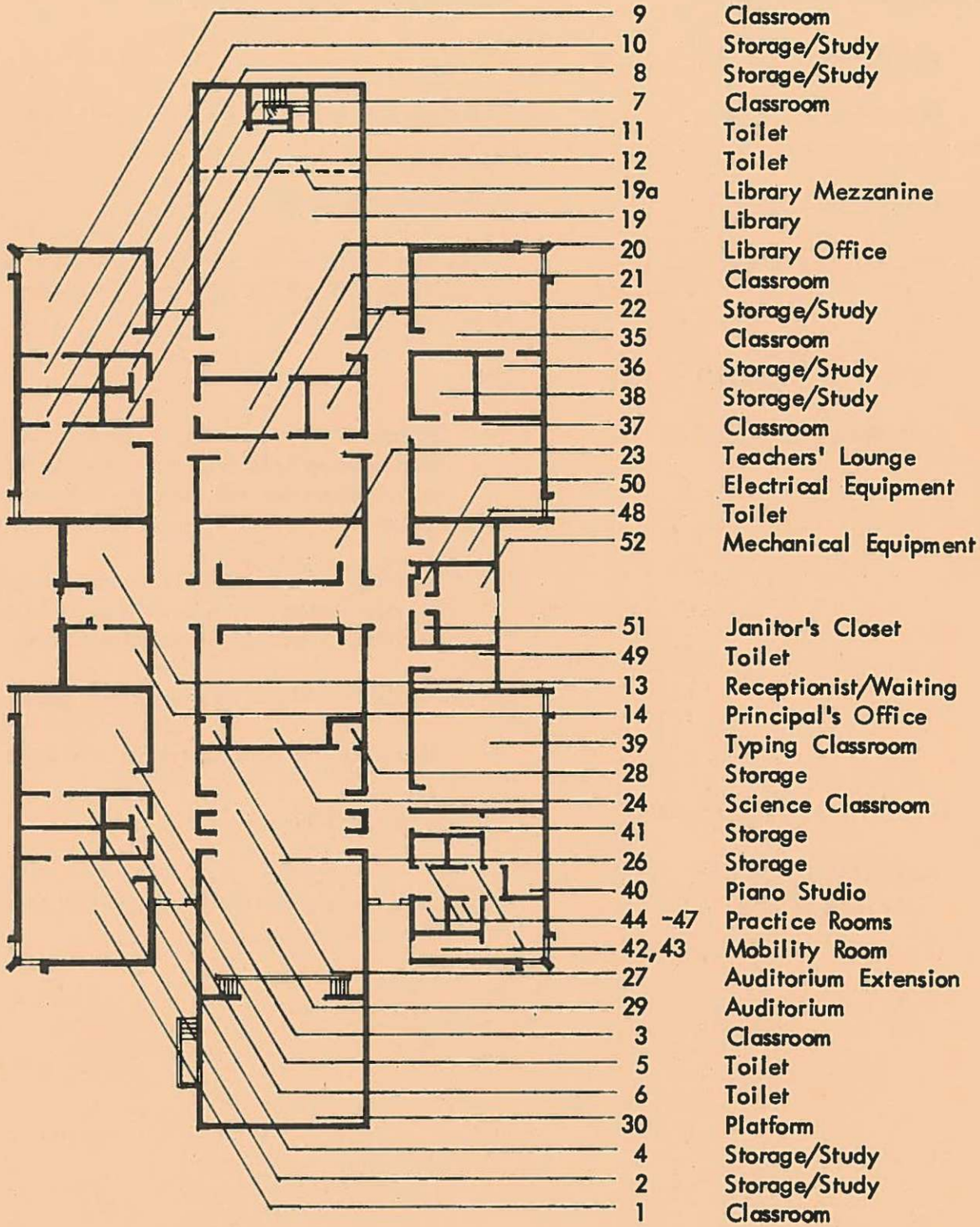
Scale: 1"=30'-0"

BUILDING NAME: LIONS BUILDING

Room Number	Room Name	Functional Use Code	Area (SF)
101	Entry	00	60
102	Social Hall	60	1100
103	Dining Hall	60	1890
104	Mechanical Room	00	90
105	Kitchen	60	335
106	Janitor	00	20
107	Service Vestibule	00	60
108	Locker Room	60	45
109	Snack Bar	60	40
110	Boys' Toilet	00	55
111	Girls' Toilet	00	55

ASSIGNABLE AREAS:
Total Code 60 (Dining Facilities) = 3410 SF

BUILDING NAME	ADAMS BUILDING
KEY PLAN NUMBER	18
BUILDING HEIGHT	One story plus a mezzanine level for the library space
USE CLASSIFICATION	Instruction and library
FACILITIES PROVIDED	Instruction facilities for all blind students of all ages including classrooms, auditorium, library and office facilities.
YEAR CONSTRUCTED	1968
GENERAL DESCRIPTION	a) Structure - The building is constructed of masonry load bearing walls with steel bar joists and metal deck roof system and concrete slab on grade floor system. b) Heating - The building is heated through a forced air duct system in the ceiling space connected with multi-zone roof top air handling units. c) Plumbing - Plumbing system is in good condition. d) Electrical - Electrical system is in good condition.
APPROXIMATE GROSS AREA	16,300 square feet
ADEQUACY FOR USE CLASSIFICATION	This is a relatively new building and was designed for the functions it houses.



First Floor Plan

Adams Building

2-100 Scale: 1"=30'-0"

BUILDING NAME: ADAMS BUILDING

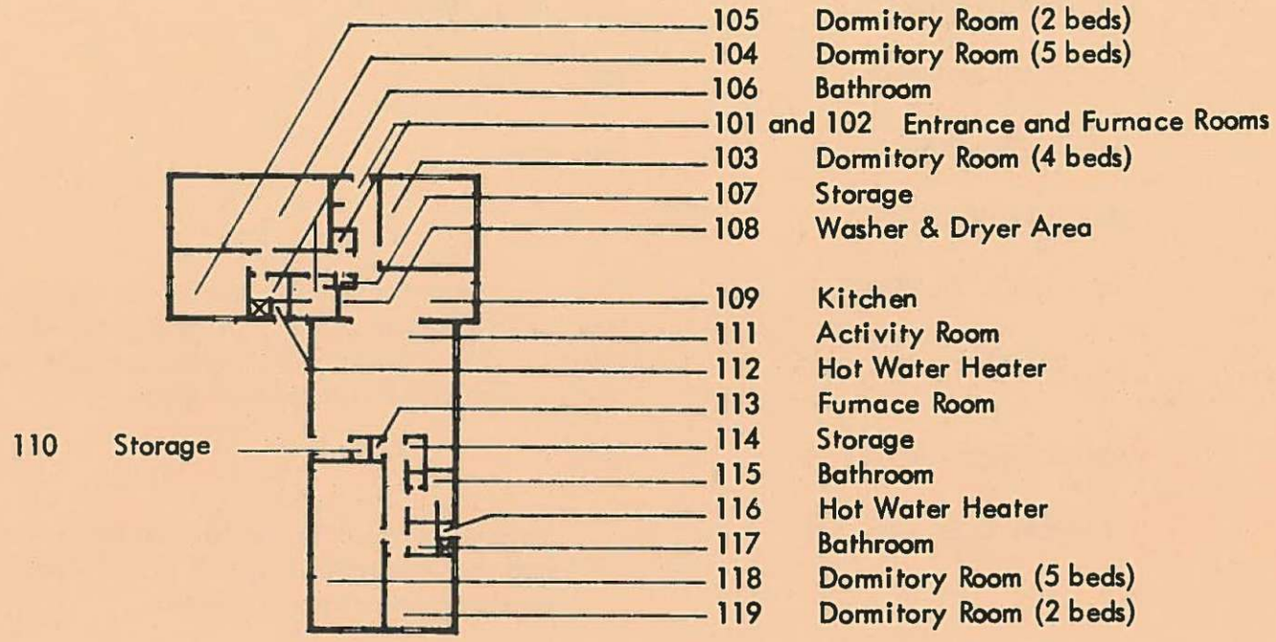
Room Number	Room Name	Functional Use Code	Area (SF)
1	Classroom	10	492
2	Storage/Study	10	94
3	Classroom	10	492
4	Storage/Study	10	94
5	Toilet	00	40
6	Toilet	00	40
7	Classroom	10	492
8	Storage/Study	10	94
9	Classroom	10	492
10	Storage/Study	10	94
11	Toilet	00	40
12	Toilet	00	40
13	Receptionist/Waiting	10	192
14	Principal's Office	10	192
19	Library	40	1680
19a	Library Mezzanine	40	510
20	Library Office	40	200
21	Classroom	10	532
22	Storage/Study	10	200
23	Teacher's Lounge	10	368
24	Science Classroom	10	630
26	Storage	10	30
27	Auditorium Extention	10	476
28	Storage	10	30
29	Auditorium	10	960
30	Platform	10	720
35	Classroom	10	475
36	Storage/Study	10	166
37	Classroom	10	500
38	Storage/Study	10	166
39	Typing Classroom	10	592
40	Piano Studio	10	176
41	Storage	10	60
42	Mobility Room	10	60
43	Mobility Room	10	144
44	Practice Room	10	36
45	Practice Room	10	36
46	Practice Room	10	36
47	Practice Room	10	36

BUILDING NAME: ADAMS BUILDING (continued)

Room Number	Room Name	Functional Use Code	Area (SF)
48	Toilet	00	128
49	Toilet	00	128
50	Electrical Equipment	00	20
51	Janitor's Closet	00	24
52	Mechanical Equipment	00	192

ASSIGNABLE AREAS:
Total Code 10 (Instructional) = 9157 SF
Total Code 40 (Library) = 2390 SF

BUILDING NAME	DEAF/BLIND UNIT I
KEY PLAN NUMBER	19
BUILDING HEIGHT	One story
USE CLASSIFICATION	Housing
FACILITIES PROVIDED	This is a living and training facility for deaf/blind boys and girls of ages 5-17. Although the activity room is listed under housing facility space it could also be considered instructional space.
YEAR CONSTRUCTED	1974
GENERAL DESCRIPTION	a) Structure - Structure is of wood frame floor, wall and roof construction and is in fair condition, requiring continued maintenance. b) Heating - The heating system is gas fired forced air furnace system. c) Plumbing - Plumbing is in good condition. d) Electrical - Electrical system is in good condition.
APPROXIMATE GROSS AREA	2,400 square feet
ADEQUACY FOR USE CLASSIFICATION	Building is relatively new and although it was designed for the functions it houses, it is still basically residential construction and extended longterm use of the facility is not anticipated.



First Floor Plan

Deaf/Blind Unit 1

Scale: 1"=30'-0"

BUILDING NAME: DEAF/BLIND UNIT 1

Room Number	Room Name	Functional Use Code	Area (SF)
101	Entrance	00	50
102	Furnace Room	00	8
103	Dormitory Room (4 beds)	60	210
104	Dormitory Room (5 beds)	60	285
105	Dormitory Room (2 beds)	60	120
106	Bathroom	60	65
107	Storage	60	5
108	Washer & Dryer Area	60	12
109	Kitchen	60	120
110	Storage	60	9
111	Activity Room	60	460
112	Hot Water Heater	00	8
113	Furnace Room	00	6
114	Storage	60	12
115	Bathroom	60	50
116	Hot Water Heater	00	8
117	Bathroom	60	25
118	Dormitory Room (5 beds)	60	200
119	Dormitory Room (2 beds)	60	120

ASSIGNABLE AREAS:
Total Code 60 (Housing Facilities) = 1693 SF

Existing Space Distribution

The following assignable space table is a summary table titled, "Existing Space Distribution by Building and by Use Classification". This table lists every existing building on campus and a total area for each type of space contained within the building. Within this table, the functional use code of instruction is subdivided into the following areas:

a) Classroom and laboratoy space
b) Classroom support space. This space includes storage and preparation rooms associated with classrooms.
c) Office space. The space includes offices for faculty as well as faculty conference and lounge areas.
d) Auditorium and stage space
e) Physical education facilities
f) Miscellaneous areas

Functional use Code 60 for auxiliary enterprises is subdivided in the table into the following space categories:

a) Dorm facilities. These facilities include the actual dorm rooms as well as toilet facilities, storage facilities, dorm counselor rooms, lounges and recreation areas associated with the dormitories.
b) Student unions and snack bars
c) Dining facilities which include the actual dining rooms, the areas for preparation, serving and clean up, areas for storage, and miscellaneous.
d) Infirmary

This summary table on existing space distribution by building and by use classification will be extremely valuable in projecting spaces that will be required at the enrollment level scheduled to be reached in 1980. These space projections will be made in the next section of this report, Section 3, Facilities Master Plan.

EXISTING SPACE DISTRIBUTION BY BUILDING AND BY USE CLASSIFICATION - FALL 1975

BUILDING NUMBER AND NAME	INSTRUCTIONAL SPACE										LIBRARY		ADMINISTRATIVE GENERAL AND OFFICE	DORMITORY FACILITIES		STUDENT UNION AND SNACK BARS	DINING FACILITIES		INFIRMARY		MAINTENANCE AND OPERATION	TOTAL ASSIGNABLE BUILDING AREA
	Classroom and Lab. Space			Classroom Support Space	Faculty Office Space	Auditorium and Stage Space		Physical Education Facilities		Miscellaneous Areas												
	No.	Aver. Area	Total Area	Area	Area	Area	Computed Capacity	No. Teach. Stations	Area	Area	Library	Library Service Space	Area	No. Beds	Total Area	Total Area	No. Seats	Total Area	Capacity	Total Area	Total Area	
1. Administration Bldg.	-0-	-0-	-0-	-0-	800	-0-	-0-	-0-	-0-	-0-	-0-	-0-	5,710	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	6,510
2. Argo Bldg.	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	680[a]	1,610	-0-	-0-	31[b]	4,510	2,115	317	14,705	-0-	-0-	-0-	23,620
3. Industrial Bldg.	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	7,607	7,607
4. Infirmary	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	16	2,187	-0-	2,187
5. Gottlieb Bldg.	28	387	10,845	2,374	620	2,610	210	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	16,449
6. Vocational Bldg.	12	918	11,015	1,557	595[c]	-0-	-0-	-0-	-0-	-0-	-0-[c]	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	13,167
7. Jones Hall	5	519	2,596[d]	536	791	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	32	4,809	-0-	-0-	-0-	-0-	-0-	-0-	8,732
8. Palmer Hall	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	52	12,065	-0-	-0-	-0-	-0-	-0-	-0-	12,065
9. Hubert Work Gym.	-0-	-0-	-0-	-0-	304	-0-	-0-	3[e]	13,285	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	13,589
10. Ritter Hall	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	71	11,319	-0-	-0-	-0-	-0-	-0-	-0-	11,319
11. West Hall	8	382	3,060	60	582	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	30	6,339	-0-	-0-	-0-	-0-	-0-	-0-	10,041
12. Brown Hall	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	101	15,893	-0-	-0-	-0-	-0-	-0-	-0-	15,893
13. Steam Plant	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	3,183	3,183
14. Barn	-0-	-0-	-0-	-0-	-0-	-0-	-0-	1	2,830	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	2,830
15a Deaf/Blind Unit 2	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	8	1,904	-0-	-0-	-0-	-0-	-0-	-0-	1,904
15b Deaf/Blind Unit 3	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	1,040[i]	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	1,040
15c Vocational Cottage	-0-	-0-	-0-	-0-	335	-0-	-0-	-0-	-0-	880[h]	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	1,215
15d Voc. Rehab. Unit [j]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15e Rental Cottage [j]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16. Greenhouse	1	1,820	1,820	180	120	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	2,120
17. Lions Bldg.	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	1,100	128	2,310	-0-	-0-	-0-	3,410
18. Adams Bldg.	9	522	4,697	1,028	752	2,156	130	-0-	-0-	524[g]	2,190	200[f]	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	11,547
19. Deaf/Blind Unit 1	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	12	1,693	-0-	-0-	-0-	-0-	-0-	-0-	1,693
TOTALS	61		34,033	5,735	4,899	4,766	340	4	16,115	3,124	3,800	200	5,710	337	58,532	3,215	445	17,015	16	2,187	10,790	170,121

a) Preschool Living Skills Laboratory
b) Includes 6 beds for visitors to Preschool Living Skills Lab. and Recreational Director's Office and storage.
c) Room 121 included under Classroom Space only.
d) Includes area of Deaf-Blind Therapy Rooms.
e) Assumes gym and track provide 2 teaching stations and pool provides 1 teaching station.
f) Library Office
g) Includes piano studio, 4 practice rooms and 2 mobility rooms.
h) Living Skills Laboratory
i) Presently unassigned area
j) Areas for Buildings 15d and 15e have not been computed for this chart because of the condition and use of the facilities.

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Space Projections: Indoor Facilities

GENERAL

This section of the Facilities Master Plan projects the indoor and outdoor facilities that will be required to serve an enrollment level of 375 students. Presently, this level is anticipated in Fall of 1980 but could be reached earlier or later if the enrollment projections do not match future enrollment levels. For master planning purposes, the exact date at which the 375 enrollment level is reached is of minor consequence in that the plan is intended to be a flexible guideline within which orderly planned growth can and should take place.

The actual enrollment levels should be continuously monitored and the future plans adjusted accordingly. Changes in academic and social programs, changes in teaching philosophies, techniques and equipment, and changes in policy will have an impact on the facility requirements and should also be continuously analyzed.

The Colorado Commission on Higher Education has developed a document titled Guidelines for Site Selection, Long-Range Facilities Master Planning and Facilities Program Planning. The document was prepared for use in planning facilities for higher education and cannot be directly applied in planning facilities for the education of handicapped children in grades K-12. But, because it can serve as a comparative guideline where no other guidelines are available, the CCHE document standards have been referred to on a number of occasions in making many of the space projections.

Each of the space categories listed in the summary chart in the previous section titled EXISTING SPACE DISTRIBUTION BY BUILDING AND BY USE CLASSIFICATION is analyzed in this section of the report as well as the projected requirements for all outdoor site facilites.

ACADEMIC CLASSROOM AND LABORATORY SPACE

The following chart titled PROJECTED REQUIREMENTS FOR ACADEMIC CLASSROOM AND LABORATORY SPACE lists, according to school and education level, the number of rooms required in 1975 and the number that will be required in 1980. These figures were computed by examining the course listings contained in the academic master plan portion of this report. Under each subject name and number is specified the number of contact hours per day the subject is offered. By adding together all the contact hours for all the subjects offered at a particular level and dividing this figure by 6, one can compute the number of rooms required. The figure "6" was used because it represents the average number of hours or periods per day a classroom or laboratory would be in use.

PROJECTED REQUIREMENTS FOR ACADEMIC CLASSROOM AND LABORATORY SPACE (NOT INCLUDING VOCATIONAL SPACE)

CATEGORY	NUMBER ROOMS REQUIRED 1975	1980
DEAF		
Lower Level	10	10
Intermediate Level)		
Junior High Level) a)	3.6	3.6
Senior High Level a)	6.5	7.2
Deaf Subtotal	20.1 = 21	20.8 = 21
DEAF M.H. UNIT	5	9+2 = 11 b)
BLIND		
Lower Level a)	4.8	4.8
Junior High Level a)	1.3	1.3
Senior High Level a)	2.3	2.5
Blind Subtotal	8.4 = 9	8.6 = 9
DEAF/BLIND	5	10
TOTAL	40	51

a) Assumes 6 contact hours per day per classroom
b) This figure does include two classrooms that will be required for transitional M.H. students moving between the two deaf programs.

In looking at the chart, one can see that for the Deaf in 1975 a total of 21 rooms were required for academic classrooms and laboratories. In 1980, 21 rooms will also be required. For the Deaf M.H. Unit, 5 rooms are required in 1975 and 11 in 1980. For the Blind, 9 were required in 1975, etc.

The following chart schedules the 1980 use of existing and new academic classrooms and laboratories. Vocational spaces are not included.

ACADEMIC CLASSROOM AND LABORATORY USE - 1980

Building Number And Name	Existing No. of Teaching Stations	Planned Teaching Stations 1980	Scheduled 1980 Use
No. 5 Gottlieb	28 (Deaf)	28	21 Stations for deaf 2 Stations for Transition students
No. 7 Jones Hall	5 (Deaf/Blind)	0	Dormitory use for blind girls
No. 11 West Hall	6 (Deaf M.H.)	0	Dormitory use for deaf boys
No. 18 Adams Building	9 (Blind)	9	9 Stations for blind program
New Deaf/Blind Dorm Units a)	0	5 x 2 = 10	10 Stations for deaf/blind program
New Deaf M.H. Unit Instructional Cluster	0	9	9 Stations for the deaf M.H. unit
TOTAL	48	56	51

a) See Projected Dormitory Requirements

The above chart indicates a planned 91% utilization (51/56) of the academic classroom and laboratory space for regularly scheduled classes.

For the purposes of the Master Plan, it is assumed that the new Deaf M.H. Unit instructional cluster will contain 9 flexible classrooms with an average of 525 assignable square feet per room. Using the assignable are to gross area ratio of 68%, the total building area required equals 525 x 9/.68 = 6950 gross square feet.

VOCATIONAL CLASSROOM AND LABORATORY SPACE

The following chart titled PROJECTED REQUIREMENTS FOR VOCATIONAL CLASSROOM AND LABORATORY SPACE lists all the existing spaces under this use classification as well as new spaces that are planned by the 1980 enrollment level. As indicated in the course listing, each of these classrooms and laboratories are scheduled for use a minimum of 6 periods per day, five days per week.

PROJECTED REQUIREMENTS FOR VOCATIONAL CLASSROOM AND LABORATORY SPACE

ROOM NUMBER AND NAME	PERIODS PER DAY ROOM IS SCHEDULED FOR USE			
	1975		1980	
	Deaf	Blind	Deaf	Blind
006) Camera and 007) Darkroom	6	0	6	0
005 Print Shop	6	0	6	0
011 Woodworking Shop	6	0	6	0
014 MHU General Shop a)	-	-	-	-
015 Dry Cleaning Shop	6	0	6	0
016 Auto Body & Metal Shop	6	0	6	0
103 Homemaking Center	6	0	6	0
106 Sewing Room	6	0	6	0
117 Shop for Blind	0	7	0	8
119 Business Ed for Deaf	6	0	6	0
121 Office, Classroom, Lbry. b)	-	-	-	-
122 Drafting	6	0	6	0
123 Crafts	0	6	0	6
Vocation Cottage	0	5 c)	0	0
Baking (Argo)	3	3	3	3
Existing Greenhouse	6	0	0	0
New Greenhouse	0	0	6	0
New Crafts & Art Lab	0	0	6	0
New Classroom for Career Ed	0	0	3	3
New Living Skills Center (including offices)	0	0	0	6 c)
New Vocational Counseling Office	-	-	-	-

a) This space is being converted to a darkroom to be used by the photography classes. The MHU shop is now located in the basement of West Hall.

b) Contains no scheduled classes and is used for the professional library for the vocational area and for the Deaf counselors' office and meeting room.

c) Also used outside the 8 period schedule for the Living Skills experience area.

The above chart indicates some new construction of vocational facilities by the 1980 enrollment level. This new construction will be described in more detail at the program planning phase but for the purposes of master planning, the following descriptions are included:

New Greenhouse

The horticulture program is a very strong part of vocational training for the Deaf. The horticulture program is offered in the existing greenhouse which is a very old building, in bad shape and in need of repairs. This building is also located on very prime space in relation to the entire campus. The master plan calls for this old greenhouse to be demolished and replaced with new facilities. Presently, the new facilities are to include two 21' x 66' enclosed greenhouse areas separated by a 20' x 30' area for office, work-space and toilets. The total area programmed for the new greenhouse is 3,375 GSF. The actual assignable square footage will be approximately 85% x 3,375 = 2,870 ASF.

Addition to Vocational Building

Four areas are planned as part of a new addition to the Vocational Building: a new Crafts and Arts Lab, a new classroom for career education, a new living skills center and a new vocational counselor's office. Some of these spaces are required in order to handle the increase in enrollment and some are required in order to replace the existing vocational cottage which is scheduled in the master plan to be demolished. Although the addition will be described in detail during the program planning phase, the following general descriptions are presented here for the purpose of the master plan.

1 - Crafts and Art Lab -
This lab is designed to provide space for the craft and art courses to be offered to the deaf students. The size of the room should be approximately the same size as the existing crafts lab in the vocational building. This has a total of 965 ASF.

2 - Classroom for Career Education -
This will be a standard classroom type space with a capacity of 18 students seated at tables. The CCHE Guidelines state that 25.9 ASF per station for a room of 18 students will be required. Total area for the new classroom will be 18 x 25.9 or 466 ASF.

3 - Living Skills Center -
This new center is to contain a 15' x 15' kitchen, a 15' x 15' dining room, a 15' x 25' living room, a 5' x 9' bathroom, and a 10' x 12' home economic office. Total area programmed for the living skills center is 990 ASF.

4 - Vocational Counselor's Office -
This office suite will contain an office of 120 SF for the Vocational Counselor, secretarial space of 85 SF and a meeting room of 150 SF. Total area of 355 ASF has been programmed for the office suite.

The addition to the Vocational Building is thus planned for a total of 2,776 ASF or approximately 3,965 GSF using an assignable to gross ratio of 70%. Some preliminary discussion concerning the addition has centered around the possibility of designing an addition in such a way that the Vocational Building becomes zoned for the Deaf and Blind programs. As mentioned earlier, the details of the addition will be worked out during the program planning phase of the project and are, therefore, discussed no further here.

CLASSROOM SUPPORT SPACE

The space use classification includes storage space, preparation rooms, and individual study rooms normally associated with the major classroom and laboratory areas. The following chart lists the buildings that contain classroom support space and computes the support space as a percent of the existing classroom and laboratory area. At this time, it is generally felt that the support space is adequate. For the purposes of the master plan, no additional support space is planned for the 1980 enrollment levels other than listed as part of the new greenhouse building and new vocational addition.

CLASSROOM SUPPORT SPACE - EXISTING

BUILDING NUMBER AND NAME A	AREA OF SUPPORT SPACE B	CLASSROOM & LAB AREA C	PERCENT SUPPORT D=B/C
No. 5 - Gottlieb Building	2,374 ASF	10,845 ASF	22%
No. 6 - Vocational Building	1,557 ASF	11,115 ASF	14%
No. 7 - Jones Hall	536 ASF	2,596 ASF	21%
No. 11 - West Hall	60 ASF	3,060 ASF	2%
No. 18 - Adams Building	1,028 ASF	4,697 ASF	22%

FACULTY OFFICE SPACE

Included under this category are offices for the Principal for the School for the Deaf; the Principal for the School for the Blind; the Principal for the MH Unit, their associated secretarial and clerical space; conference rooms; and workrooms. Also included is office space related to teaching faculty and aides including conference rooms, lounges, workrooms, and the like. A total of 4,779 ASF contained in the Administration Building, Gottlieb Building, Vocational Building, Jones Hall, Hubert Work Gymnasium, West Hall, Vocational Cottage, and the Adams Building is presently existing on campus. Unlike the faculty members at college and university levels, instructional faculty here do not have private faculty offices and, therefore, even though the faculty projections contained in Section 1 of this report indicate an increase in faculty and aides from 79 in 1975 to 112 in 1980, the only additional faculty offices planned are those listed under the categories of classroom and laboratory space, library space and physical education facilities.

AUDITORIUM AND STAGE SPACE

The Colorado School for the Deaf and the Blind has two spaces which function as auditoriums. One is in the Adams Building which serve the Blind and the other is in the Gottlieb Building which serves the Deaf.

The auditorium in the Adams Building contains 960 ASF in the main seating area plus an additional 476 SF in the adjacent space at the rear of the auditorium which provides an extension to the seating capacity. The computed number of seats in the auditorium and auditorium extension area is 130. The platform area consists of 720 ASF. This facility is used extensively every day for vocal and instrumental practice as well as for special meetings and programs. Presently, the auditorium for the blind is considered adequate for existing enrollments and for the 1980 projected enrollment.

The auditorium in the Gottlieb Building contains 2,250 ASF plus the stage area of 360 ASF. Computed capacity for the auditorium is 216 chairs.

The Gottlieb Auditorium is presently used in the following ways:

1 - Classes are scheduled in the school year in the auditorium when regular classrooms are not large enough for a particular activity.

2 - Team teaching - the auditorium is often used as team teaching situations where regular classrooms are not large enough.

3 - Auditory Training - the auditorium is used extensively by Lower School teachers for auditory training purposes.

4 - Movies - extra-curricular movies are held in the auditorium.

5 - Assemblies - all student and staff assemblies are held in the auditorium.

6 - Workshops - State-wide and School workshops are held in the auditorium.

7 - Theater - all programs (Christmas programs, etc.) are held in the auditorium. All rehearsals for such programs are also held in the auditorium.

8 - The P.E. Department uses the auditorium for physical education classes because of crowded conditions in the gymnasium.

9 - Pep Rallies - all pep rallies are held in the auditorium (football, basketball, etc.)

10 - Sign language classes are held weekly in the auditorium.

11 - Lower School - all Lower School parties are held in the auditorium.

12 - Christmas program - practice every morning beginning on November 7 and continuing through December 17 at 7:30 a.m.; all day December 18, and also during that evening.

13 - Achievement Screening Test is March 1 all day.

14 - Achievement Tests are March 30 and 31 all day.

15 - Junior-Senior Prom is held at 8:30-11:00 p.m., May 21.

16 - ABE Program every Wednesday evening from 7:00 - 9:00 p.m. in Rooms G-102, G-101, G-005, and G-006 through the first week of June.

17 - The auditorium is also used by the MH Unit.

All the above indicate the necessity and need for an auditorium; however, the above items do not explain the need for a specially designed auditorium. There are certain dominant needs in the School for the Deaf that necessitate the need for this special design. They are as follows:

1 - The School for the Deaf uses a total communication philosophy, which means a great deal of sign language and fingerspelling is used. Therefore, in establishing a design for an auditorium, it is essential to have an unobstructed view of the stage area with seats close enough to the stage to permit clear understanding of fingerspelling.

Rows should be higher in the rear of the auditorium than in the front, and should be offset from each other in order to provide a clear view of the stage. There should be a sloping balcony to provide additional seating capacity. This balcony should be equipped with light capable of illuminating various areas of the auditorium.

2 - Due to recent code modifications, the present auditorium is limited to a seating capacity of 216. At times there are audiences in excess of 500 people. There is a definite need to increase the seating capacity to a minimum of 550 seating.

3 - An amplification system especially designed for the deaf is needed to insure maximum use of any residual hearing the deaf may have.

4 - The auditorium should have carpeting throughout in order to reduce ambient noise and increase the effectiveness of the amplification system.

5 - The auditorium should be equipped with basic items such as storage, dressing rooms, parking facilities, etc.

6 - A new auditorium would enable the present library to move into the existing auditorium, thus enabling the School for the Deaf to implement a library/media program within the school building. This would give students close access to library services. Because the library is not in the school building at the present time, students are only using the library approximately one hour per week.

During the program planning phase, the auditorium will be described in more detail, but for the purposes of the master plan, the total of 7,000 ASF is programmed. This area includes 1,000 ASF for the raised platform, 4,400 ASF for seating (550 seats @ 8 ASF per seat), 600 ASF for circulation within the auditorium, 400 ASF for dressing rooms, 500 ASF for storage and 100 ASF for projection booth. Using an assignable square foot to gross square feet ratio of 70%, 10,000 gross square feet will be required.

PHYSICAL EDUCATION FACILITIES

Existing indoor physical education facilities are contained in Hubert Work Gymnasium, the therapy pool addition to the gymnasium, and the old barn east of the gymnasium. A total of four teaching stations have been identified. The main gymnasium and the running track above the gymnasium provide two teaching stations and the therapy pool provides one teaching station. The old barn contains facilities for weight lifting and wrestling and provides one teaching station.

The indoor physical education facilities must be designed to serve all the physical education programs. Obviously, in good weather many of the programs will be held outside, but when weather is less desirable, students must move inside for their activities. It is during these periods of inclement weather that the facility receives its highest utilization.

The following chart projects the requirements for physical education teaching stations at the 1980 enrollment levels, and itemizes the teaching stations required at the existing 1975 enrollment levels. The chart indicates that a total of 26 teaching stations per day are required now and in 1980 a total of 31 teaching stations per day will be required. By multiplying these figures by 5 one can establish the number of teaching stations that will be required per week. Presently, 130 teaching stations are required per week, and in 1980, 155 will be required.

These figures do not include the boys' athletic programs or the increasing number of girls' athletic programs that will utilize the physical education facilities also.

PROJECTED REQUIREMENTS FOR
PHYSICAL EDUCATION TEACHING STATIONS

CATEGORY	Average Number Students/ Teaching Station 1975	No. P. E. Students 1975	Number Teaching Stations Required Per Day 1975	Average Number Students/ Teaching Station 1980	No. P. E. Students 1980	Number Teaching Stations Required Per Day 1980
Deaf School						
Lower Level Intermediate Level)	7	70	10	7	70	10
Junior High Level)	15	60	4	13	65	5
Senior High Level	17	51	3	16	80	5
Deaf Subtotal		181	17		215	20
Deaf M.H. Unit	12	25	2	11	45	4
Deaf School Subtotal		206	19		260	24
Blind School						
Lower Level Junior High Level)	8	31	4	8	30	4
Senior High Level)	11	32	3	14	45	3
Blind School Subtotal		63	7		75	7
Deaf/Blind School [a]						
Total	10.4	270	26	10.8	335	31

[a] The Deaf/Blind presently do not require Physical Education space in main P. E. facilities.

The Colorado Commission on Higher Education specifies in its Guidelines that physical education facilities shall be designed to be utilized 20 hours per week. By dividing 130 teaching stations per week by 20 hours per week one can see that presently 6.5 teaching stations are required per hour. At the 1980 enrollment level, 7.75 teaching stations per hour will be required (155 divided by 20). The following teaching stations are planned for the 1980 enrollment levels:

Existing therapy pool	1 teaching station
Existing gymnasium and track	2 teaching stations
Existing barn (demolished)	0 teaching stations
New swimming pool	1 teaching station
New regulation size gymnasium (multi-purpose room)	2 teaching stations
New classroom	1 teaching station
New wrestling and exercise room	1 teaching station
Total	8 teaching stations

The new physical education facilities will be defined in detail at the program planning phase. For the purposes of the Master Plan, the following spaces and areas are anticipated:

1 - Multi-Purpose Room - This room is anticipated to contain one regulation size competition basketball court with two smaller sized practice courts in addition to volleyball and badminton courts superimposed over the main court. The area programmed for the space equals 8,735 ASF as recommended in the CCHE Guidelines.

2 - Regulation swimming pool - This pool is a standard size six lane 75' long pool within a room containing 6,000 ASF.

3 - Classroom - 900 ASF

4 - Wrestling and exercise room - This room should provide space for one wrestling mat as well as space for the gymnasium exercise machine. Total area programmed is 2,400 ASF.

5 - Storage Rooms - 200 ASF

6 - Locker Rooms - These locker rooms will contain 35 standard size lockers and 140 basket lockers each. Total area programmed is 430 ASF per locker room or a total of 860 for the two locker rooms.

7 - Showers and toilets - Total assignable square feet programmed for the showers and toilets associated with the locker rooms is 400 ASF.

8 - Faculty offices - One boys' physical education faculty office and one girls' physical education faculty office including lockers, showers and toilets at 300 SF per office area = 600 ASF.

Total area programmed above equals 20,095 ASF. If the assignable square feet to gross square feet ratio of 80% (as recommended in the CCHE Guidelines) is used, the total gross square feet would equal approximately 25,120 GSF.

MISCELLANEOUS AREAS

The instructional spaces listed under the classification of miscellaneous areas are those which do not fit under the categories of classrooms and laboratory spaces, classroom support space, faculty office space, auditorium and stage space or physical eduation space. The existing area at the School which falls under this category includes the 680 SF that exists in the preschool living skills laboratory in the Argo Building, the 1,040 SF presently unused in the model cottage, the 880 ASF used for the living skills area in the vocational cottage and the 524 SF contained in the Adams Building which includes the piano studio, the four music practice rooms and the two mobility rooms.

Preschool Living Skills Laboratory

The purpose of the preschool living skills laboratory is to prepare parents of preschool blind and deaf handicapped children so they will be able to cope with the special problems of their children in educated and informed ways that encourage the maximum development of the child. The existing type of facility used for this purpose is contained on the second floor of the Argo Building. It consists of the living room, kitchen, dining room and a bathroom that are designed to depict the typical home living environment. Additional bedrooms are available for parents to use when staying overnight at the facility. By 1980 there is a stronger need anticipated for this facility. At this enrollment level, it is hoped that a new preschool living skills laboratory can be constructed as part of the new student union facilities. This new laboratory will consist of two motel type living units; the kitchen, living, dining, bathroom laboratory layout; plus a small office and a meeting room for conferences. The parents will come to the center and stay for several days to a week at a time, hopefully several different times during the school years. Two families can be scheduled at one time. It is felt that the demand for this type of facility is high enough to justify its construction and its use on a full time, year around basis. As envisioned now, the preschool living skills laboratory will contain an 8' x 12' kitchen, 12' x 16' dining area, 15' x 20' living area, 12' x 15' bedroom, 5' x 9' bathroom, a 10' x 15' meeting room, 10' x 12' office and two 12' x 20' motel type rooms with baths. The total area thus programmed is 1575 ASF or approximately 2,250 GSF, utilizing an assignable to gross ratio of 70%.

Deaf/Blind Unit 3

There have been some discussions regarding the possibility of remodeling the existing model cottage to provide additional space for the deaf/blind program. This topic is discussed again under the space classifications dealing with dormitory facilities. It is the position of the Planner that the remodeling of the existing old building is a stop-gap method of providing for programs that contain very little funding for capital construction. A good sound plan would be to work toward the construction of new facilities of institutional quality to serve the deaf/blind program rather than to remodel old run-down residential facilities. See the projections for dormitory facilities for future plans for this building.

Vocational Cottage

The Vocational Cottage listed under this category is used for the purposes of teaching basic living skills to blind students as well as for a laboratory type facility for teaching home economics to the blind students. In the analysis of vocational space included under the classification of classroom and laboratory space, this building is scheduled to be demolished and replaced in the new addition to the Vocational Building.

At this time, no change is anticipated by the 1980 enrollment level to the miscellaneous areas contained in the Adams Building under this space classification.

LIBRARY AND LIBRARY SERVICE SPACE

The Colorado Commission on Higher Education includes the following types of spaces within the category of library space: space used for the collection, storage and circulation of books, periodicals, manuscripts and other reading and reference material as well as offices and office service rooms used by librarians.

The existing facilities which fall into this category include the first floor library, mezzanine level media center, and librarian's office in the Adams Building and the library for the deaf and the professional library located in the Argo Building. The Vocational Building contains space for the vocational/professional library within Room 121 but, because this room is a multi-purpose room, the area has not been counted under library space.

With the addition of the library mezzanine of 510 square feet to the Adams Building library in 1974, the existing facilities for the School for the Blind under this space use classification are considered adequate for the existing enrollment levels as well as for the projected 1980 enrollment levels.

Two major problems exist with the present facilities for the library for the School for the Deaf. First, there is not enough room within this existing space to house the media equipment adequately. Second, the location of the library is undesirable. Because the library facilities for the deaf are located in the Argo Building, remote from the academic classrooms which are located in the Gottlieb building, students are making use of the library facilities only about one hour per week per student. Present plans are to move the deaf library and the professional library for the deaf into the auditorium space which exists in the Gottlieb Building. In addition to providing a more accessible space for this facility, the move will vacate 1610 ASF in the Argo Building which could be utilized for additional first floor kitchen storage and better receiving facilities. The existing floor structure of the auditorium must be analyzed by a structural engineer before any move can take place.

ADMINISTRATIVE AND GENERAL OFFICE SPACE

According to the CCHE Guidelines, the spaces included in the category of administrative and general office space are general executive and administrative offices, general administrative secretarial and clerical personnel, student services, admissions and registration, placement, public relations, institutional publications, business offices, etc.

All the offices contained under this space classification are within the existing administration building. These facilities are generally considered adequate for the function they serve. Since the staff projection chart contained in the academic plan portion of this report does not project an increase in administrative personnel by the 1980 enrollment level, no new facilities or extensive remodeling is planned to the administration building.

DORMITORY FACILITIES

In the first section of this report titled ACADEMIC MASTER PLAN, dormitory enrollment projections by age group and sex were made for the projected 1980 enrollment level. These projected a total of 291 students living on campus and requiring dormitory space. In the inventory of existing facilities, the chart titled EXISTING SPACE DISTRIBUTION BY BUILDING AND USE CLASSIFICATION indicated a total of 337 beds are contained within the existing dormitory facilities on campus. These existing dorm facilities are as follows:

EXISTING DORMITORY USE - 1975

Building Number and Name	Existing No. Of Beds	Use Group
No. 2 Argo	31	Older deaf boys ages 17-20
No. 7 Jones Hall	32	Blind girls all ages
No. 8 Palmer Hall	52	Blind boys all ages
No. 10 Ritter Hall	71	Deaf boys ages 5-17
No. 11 West Hall	30	All deaf multiple handicapped boys and girls
No. 12 Brown Hall	101	Deaf girls all ages
No. 15a Deaf/Blind Unit 2	8	Deaf/Blind boys and girls all ages
No. 19 Deaf/Blind Unit 1	12 (planned)	Deaf/Blind boys and girls all ages
Total Number of Beds	337	

The total area of all dormitory facilities is 58,532 square feet. This includes the area of the dormitory rooms, the toilet facilities, the dorm counselors' rooms, storage areas, and lounge and recreational areas associated with the dorm facilities. Total overall area per dorm student equals 58,532 assignable square feet divided by 337 students or almost 174 assignable square feet per student.

As a point of comparison, the Colorado Commission on Higher Education Guidelines for student residential facilities in Higher Education are as follows for double occupancy dormitories:

a)	Living quarters	190 assignable square feet for two students
b)	Toilets, washrooms, showers	28 assignable square feet for two students
c)	Recreational and service space	50 assignable square feet for two students

This equals a total area of 268 assignable square feet for two students or 134 assignable square feet per student. In comparing the 174 assignable square feet per student in the existing facilities with the Guidelines figure of 134 square feet per student the following consideration should be made:

1 - The students at the Colorado School for the Deaf and the Blind are smaller and younger children than those students attending facilities for higher education. This would indicate less space should be required at the School.
2 - Because the students at the School are smaller and younger they will require more supervisory personnel than students of higher education. This would indicate more space should be required at the School.
3 - The students at the School are handicapped and therefore require additional supervision and additional space for supervisory personnel.
4 - Because the students at the School are small and young and have handicaps, they spend almost 100% of their time on campus, whereas students of higher education are free to utilize off-campus recreational facilities. This would mean that students at the School would require more on-campus recreational facilities in the form of dormitory recreational areas as well as student center facilities than students of higher education levels.

In the final analysis it is understandable why the students at the Colorado School for the Deaf and the Blind are provided more assignable square feet per dorm student than the CCHE Guidelines generate for student residential facilities in higher education.

One of the main concerns is that the dormitories provide a number of undesirable dark corners in which students hide. This is mainly a result of the remodeling which has taken place over the last several years in order to update the exiting system to meet building codes. Since very little physical change can be made to the building to eliminate these undesirable spaces, the dormitory personnel have strong arguments for providing adequate dorm counselors and supervisors to watch over the students.

In scheduling the use of the existing dormitories, the following considerations have been made:

1 - It is desirable to group students by sex, handicap and age.
2 - It is desirable to have one large multi-purpose play area, recreation area, lounge, TV room per floor rather than scattered smaller areas in order to provide adequate supervision. The cost of remodeling existing dormitory space in order to convert sleeping rooms into recreational space has not been included in the cost estimate.

3 - The most desirable dormitory situation consists of a family living unit or cottage containing approximately eight students. These units would contain sleeping rooms with two beds per room, a kitchenette, a dining area, a living/recreation area and toilet and bath facilities. The existing dorm facilities do not easily lend themselves to this type of living situation but the new facilities are being planned this way. In the case of the new deaf/blind dorm facilities planned, the living/recreation area also functions as the classroom space for the students. The family living unit or cottage concept will provide a smaller and more recognizable social unit, one with which the student can more readily identify.

The projected dormitory use for 1980 shown below indicates the dormitory facilities will have a utilization of approximately 79% (291/368). This appears to be realistic in view of the problems involved in scheduling this many different kinds of students and achieving the desired separations.

PROJECTED DORMITORY USE - 1980

Building No. and Name		Existing Capacity	Planned Capacity	Scheduled 1980 Use
No. 2	Argo	31 beds	36 a)	30 deaf boys ages 11-18
No. 7	Jones Hall	32 beds	40 b)	25 blind girls all ages
No. 8	Palmer Hall	52 beds	46 c)	35 blind boys all ages
No. 10	Ritter Hall	71 beds	60 d)	55 M.H. deaf boys all ages
No. 11	West Hall	30 beds	45 e)	15 deaf boys ages 5-11 10 deaf boys ages 11-18
No. 12	Brown Hall	101 beds	101	43 deaf girls all ages 42 M.H. deaf girls all ages
No. 15a	Deaf/Blind Unit 2	8	0	Demolished
No. 15b	Deaf/Blind Unit 3		f)	Demolished
No. 19	Deaf/Blind Unit 1	12	0	Demolished
New Deaf/Blind Dorm Units		0	40 (8x5)	36 deaf/blind boys and girls all ages
Total		337	368	291

a) The additional 5 beds are gained from the relocation of the preschool living skills laboratory and recreational director's office and storage area into new facilities.
b) The deaf/blind instructional areas existing in Jones Hall will move into new facilities, thereby vacating space that will be returned to needed recreation space for the blind girls. Capacity can also be increased as indicated.
c) Conversion of one 6-bed dorm room on second floor to a meeting/recreation room is planned.
d) Capacity of Ritter Hall has been reduced to allow for requirement discussed in Chapter 2.
e) New deaf M.H. instructional facilities are planned. The space vacated in West Hall can be converted to dormitory usage. Some adjustments in the location of deaf boys and deaf M.H. boys may be required between Argo, Ritter and West Halls to achieve a more desirable balance of students.
f) Presently being remodeled for temporary use by the deaf/blind program

At the beginning of the fall school year, the deaf/blind living quarters were contained entirely in the modular building which had 18 beds. In the Fall of 1975, the Deaf/Blind Unit 2 was undergoing remodeling and an addition was being constructed to it. When completed, the Deaf/Blind Unit 2 is planned to house eight deaf/blind students. This will reduce the number staying in the Deaf/Blind Unit 1 to 11. The total number of beds therefore being provided will be 19 as indicated on the Dormitory Enrollment Projections chart in the first section of this report.

By 1980 the deaf/blind student enrollment is anticipated to increase to a total of 40, 36 of whom will be living in dormitory facilities on campus. Tentative plans by the School are to remodel and add on to the old Deaf/Blind Unit 3 to provide for this increasing growth.

The remodeling of these old existing residences and the use of the temporary Deaf/Blind Unit 1 to house students and educational programs is a stop-gap method of meeting the demands of the enlarging deaf/blind program with only a minimal amount of capital expense. The Deaf/Blind Unit 1 is considered temporary because it is located on property deeded to the School through the Palmer Foundation for the purpose of recreation fields only. No permanent facilities can be constructed where the Deaf/Blind Unit 1 is now located. This land use restriction is discussed in more detail under the inventory of existing facilities portion of this report.

The master plan calls for the demolition of all five of the existing cottages and the removal of the existing temporary Deaf/Blind Unit 1. Replacement of the deaf/blind facilities with new permanent facilities of institutional quality is planned. These deaf/blind facilites will be constructed in clusters containing approximately eight students per cluster. Each cluster would have its own kitchen, living, dining, and dormitory facilities as well as a central recreation area used for instruction. This central area will be divisible into two teaching stations with four students each. During the program planning phase, the new construction will be described in detail, but for the purpose of the master plan, five new living clusters are being planned each containing 2250 assignable square feet and 90% efficiency or 2500 gross square feet, thus providing a total of 12,500 GSF.

STUDENT UNION AND SNACK BARS

Presently 1100 ASF is contained within the Lions Building Dining Hall under this space use classification. The room is No. 102 and it functions as a social hall for the blind students. The Argo Building contains two rooms at the basement level which have recently been remodeled by the Lions Club into a snack bar and a teen club containing 1215 ASF and 900 ASF respectively.

The educational goals of the Colorado School for the Deaf and the Blind have long been to provide the student with the fullest and broadest opportunities to acquire effective means of communication, and to develop personality, character, and all the traits necessary for good citizenship to the optimum of his ability. The academic master plan has defined in detail the academic program desired to achieve these goals. The facilities required not only to support but encourage this academic program are being defined in detail. But the total educational facility is shaped by the program which it serves, the social program as well as the academic program.

One of the most pertinent reasons for a new student union is the development of socially acceptable patterns of growth for the students. Students are presently restricted to areas not suitable for developing such growth patterns. All people today are finding it increasingly more essential to find activities to enable them to use leisure time more effectively. This is especially true with blind and deaf people. The deaf are unable to participate because of lack of communication, and the blind are unable to fully participate in activities requiring sight. Therefore, it is essential that a student union be built in order to provide the deaf and the blind with opportunities to develop socially acceptable patterns of growth.

A student union would be open daily as well as on weekends. Students would be in charge of the concession and the general operation of the student union facility. Students and employees both would have access to the student union. Although this facility will be described in more detail during the program planning phase, for the purpose of the master plan the following areas are anticipated in the student union:

a) A lounge area of approximately 1500 ASF equipped with TV and games.
b) An area for small parties, dances, and organizational meetings of approximately 100 ASF.
c) A game room for pool tables, table tennis, foosball tables, hockey tables, pinball machines, etc., containing an approximate area of 1250 ASF.
d) An area of approximately 300 ASF equipped with soundproof listening rooms for records and tapes.
e) A two-lane bowling alley of 1150 ASF.
f) An area of approximately 1000 ASF for extra curricular school activities such as Boy Scouts, Girl Scouts, etc.
g) A hobby area of approximately 1000 ASF where students may pursue the various arts and crafts hobbies of their choice. This area will also contain the recreational director's office and storage area.

By using an assignable to gross ratio of 75%, the above programmed 7,200 ASF converts to a gross square footage of 9600 GSF.

One hundred percent of the students would have access to the student union from 3:00 p.m. to 9:00 p.m. during the week. Fifty percent of the students would use the union from 9:00 a.m. to 10:00 p.m. every other weekend when 50% of the students would be going home. On the alternate weekends, twenty percent of the students would use this area from 9:00 a.m. to 10:00 p.m. when 80% of the students would be going home. See the policies on housing in the first chapter of this report.

DINING FACILITIES

The space category for dining facilities includes the preparation, serving, cleanup and storage spaces associated with the kitchen and food preparation areas as well as the actual dining rooms. Presently, the Argo Building contains three dining rooms with 24, 45, and 248 stations respectively. The Lions Building contains one dining room with 128 stations. Food is served in the Argo Building cafeteria style and the Lions Building family style. For the purpose of providing separation in the age level of students, the dining at the Argo Building is done in two shifts. The younger students eat in the first shift and the older in the second.

The maximum load on the dining facilities occurs at the noon meal when all the students eat lunch and a portion of the faculty and staff are also served. With the 1975 enrollment level of 305 students, an average of 325 meals are served at lunch to the faculty and students. These people are served in two of the dining rooms in the Argo Building and the Dining Room in the Lions Building. The 24 station dining room in the Argo Building is used primarily for dining of staff personnel.

In projecting the anticipated requirements for dining space at the 1980 enrollment level, it is assumed the same proportion of faculty to students will be dining. Presently, there are 305 students and 20 faculty members dining during the noon meal. In 1980 when the student enrollment reaches the anticipated 375 enrollment level, 26 faculty members will be dining with the students at noon time. This brings the total maximum load in 1980 on the dining facilities of approximately 400 people. The theoretical capacity of the existing dining facilities is 714. This is computed by doubling the capacity of the main dining and the Ritter dining room in the Argo Building to account for two shifts and adding this figure to the 128 stations available in the Lions Building.

Although the above analysis shows that no additional dining facilities will be required by the 1980 enrollment levels and beyond, it might be valuable to compare some of the areas in the existing facilities with areas generated using CCHE Guidelines. This is done below.

1 - Dining Room Capacity
Utilizing the CCHE standard of 11 assignable square feet per station for dining area required in the dining room serving cafeteria style, the existing 4,645 ASF in the three dining rooms in the Argo Building should seat approximately 422 people. Using the CCHE standard of 12.5 ASF per station of dining area when serving family style, the 1890 ASF existing in the dining room of the Lions Building should seat 151. Thus, the total number of stations at the school computed on the basis of the standards should be approximately 573. The actual number of stations counted in the existing facilities is, as mentioned above, 445 stations.

2 - Preparation, Serving and Cleanup Spaces
For cafeteria style the CCHE standards for space required for preparation, serving and cleanup is 7.5 ASF per dining station. Multiplying this 7.5 times the 422 computed stations in the Argo Building, 3,165 ASF for preparation, serving and cleanup is required. The standard for family style dining is 8.5 ASF per dining station. Multiplying this 8.5 times the 151 stations computed in the Lions Building gives a total of 1,283 ASF required for preparation, serving and cleanup of the dining facilities in the Lions Building. Therefore, a total of 4,448 ASF (3,165 plus 1,283) should be required to serve the 573 computed stations. The existing assignable square feet in the Argo Building and the Lions Building included in this category is 3,900 ASF.

3 - The CCHE standard for storage and miscellaneous space is that these areas should equal approximately 25% of the total food service space. The total area in the Argo and Lions Buildings included under the category of dining facilities is 17,015 ASF. The total area in these buildings considered to be storage and miscellaneous space is 6,495 ASF in the Argo Building and 85 ASF in the Lions Building, or a total of 6,580 ASF. This area is approximately 39% of the total food service space. It should be noted here that the 6,495 ASF listed for storage and miscellaneous space in the Argo Building is somewhat misleading. Much of this area is used for storage of items that are not associated with the dining facilities. For example, one of the rooms is used for Civil Defense materials and equipment.

From the above comparisons it appears as though more seating could be contained in the dining rooms than presently exists. The preparation, serving and cleanup areas are slightly smaller than what would normally be required if the dining areas were seated to their computed capacity; and the storage and miscellaneous areas associated with the food service operation are generally inadequate because of location.

Staff members of the dining facilities have indicated that the food operation in the Argo Building could be considerably improved if the dish return system was changed from the present use of carts in the dining room to a system employing the use of an automated belt conveyor dish return.

INFIRMARY

The existing infirmary, as described in the inventory of existing facilities, contains a dispensary, examining rooms, doctor's office, laboratories, nurses station and six wards along with the necessary support facilities. It has a total bed capacity of 16. It is generally felt that the capacity of the existing infirmary will be adequate to seve the 1980 enrollment levels.

The only change being considered is the possible addition of a second dispensary area that would be located near the existing kitchen and could serve students coming from the north direction. As indicated in the first section of this report, the addition of one infirmary aid is projected by 1980.

As additional facilities for the Deaf/Blind Program and Deaf M.H. Program are constructed, it is anticipated that a small satellite infirmary will be required for the main purpose of dispensing daily medicines. Because only minimal space for this function will be required by the 1980 enrollment levels, no area has been programmed specifically for this function.

MAINTENANCE AND OPERATION

By definition, physical plant maintenance and operation facilities include maintenance shops, machinery shops, motor pools, heating plants, police, fire protection, security offices and the like. On the existing campus, these facilities are included in the existing industrial building and in the existing steam plant.

As discussed in the inventory of existing facilities, the existing Industrial Building is scheduled to be demolished and the maintenance and operation functions contained therein replaced in new facilities. Although during the program planning phase the detailed requirements of this new building will be analyzed in detail, for the purpose of master planning the following areas are anticipated:

1 - Laundry - 40' x 60' = 2,400 ASF
2 - Maintenance shop - 20' x 40' = 800 ASF
3 - Maintenance shop - general storage - 10' x 30' = 300 ASF
4 - Paint storage 10' x 10' - 100 ASF
5 - Vehicle repair and maintenance shop - 20' x 40' = 800 ASF
6 - Vehicle and grounds equipment storage - 40' x 90' = 3,600 ASF
7 - Locker area - 10' x 20' = 200 ASF
8 - Office - 10' x 12' = 120 ASF

The total assignable square feet programmed above equals 8,320 ASF. Using an assignable to gross square feet ratio of 90%, the total area required for this facility will be approximately 9,250 GSF.

SUMMARY OF INDOOR FACILITY REQUIREMENTS

The following chart summarizes the new space that has been planned in this section of the facilities master plan for the 1980 enrollment level of 375 students. These space projections should remain valid even if the 375 enrollment is reached before or after 1980. Should the mix of students change substantially from what has been projected, the space requirements will have to be revised accordingly

SUMMARY OF NEW SPACE REQUIREMENTS FOR 1980 ENROLLMENT LEVEL

SPACE CATEGORY	AREA PROGRAMMED	
	Assignable Square Feet	Gross Square Feet
INSTRUCTION		
Academic classroom and laboratory space	4,725	6,950
Vocational classroom and laboratory space		
New greenhouse	2,870	3,375
Addition to vocational building	2,776	3,965
Classroom support space	0	0
Faculty office space	0	0
Auditorium and stage space (new auditorium)	7,000	10,000
Physical education facilities (new p.e. building)	20,095	25,120
Miscellaneous areas		
Preschool living skills laboratory	1,575	2,250
LIBRARY AND LIBRARY SERVICE SPACE		
Remodel existing auditorium in Gottlieb	*	*
ADMINISTRATION AND GENERAL OFFICE SPACE	0	0
DORMITORY FACILITIES		
Deaf/Blind living - instruction clusters*	11,250	12,500
STUDENT UNIONS AND SNACK BARS		
Student union	7,200	9,600
DINING FACILITIES	0	0
INFIRMARY	0	0
MAINTENANCE AND OPERATION (NEW FACILITIES)	8,320	9,250
TOTAL	65,811	83,010

*Includes instructional spaces also

Planned Space Distribution

The following table illustrates the distribution of space as planned for the 1980 enrollment level. The distribution of space is listed by functional use classification and by building. The buildings include the existing buildings continued in use, the existing buildings scheduled to be demolished and the new facilities scheduled for construction.

SPACE DISTRIBUTION BY BUILDING AND BY USE CLASSIFICATION - FALL 1980

BUILDING NUMBER AND NAME	INSTRUCTIONAL SPACE										LIBRARY		ADMINISTRATIVE GENERAL AND OFFICE	DORMITORY FACILITIES		STUDENT UNION AND SNACK BARS	DINING FACILITIES		INFIRMARY		MAINTENANCE AND OPERATION	TOTAL ASSIGNABLE BUILDING AREA
	Classroom and Lab. Space			Classroom Support Space	Faculty Office Space	Auditorium and Stage Space		Physical Education Facilities		Miscellaneous Areas												
	No.	Aver. Area	Total Area	Area		Area	Computed Capacity	No. Teach. Stations	Area	Area	Library	Library Service Space	Area	No. Beds	Total Area	Total Area	No. Seats	Total Area	Capacity	Total Area	Total Area	
1. Administration Bldg.	-0-	-0-	-0-	-0-	800	-0-	-0-	-0-	-0-	-0-	-0-	-0-	5,710	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	6,510
2. Argo Bldg.	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	36	5,190	-0-	317	18,430[b]	-0-	-0-	- [b]	23,620
3. Industrial Bldg.	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	Demolished
4. Infirmary	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	16	2,187	-0-	2,187
5. Gottlieb Building	28	387	10,845	2,374	620	-0-	-0-	-0-	-0-	-0-	2,610	- [a]	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	16,449
6. Vocational Bldg.	12	918	11,015	1,557	595	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	13,167
7. Jones Hall	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	40	8,732	-0-	-0-	-0-	-0-	-0-	-0-	8,732
8. Palmer Hall	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	46	12,065	-0-	-0-	-0-	-0-	-0-	-0-	12,065
9. Hubert Work Gym.	-0-	-0-	-0-	-0-	-0-	-0-	-0-	3	13,285	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	13,589
10. Ritter Hall	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	60	11,319	-0-	-0-	-0-	-0-	-0-	-0-	11,319
11. West Hall	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	45	10,041	-0-	-0-	-0-	-0-	-0-	-0-	10,041
12. Brown Hall	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	101	15,893	-0-	-0-	-0-	-0-	-0-	-0-	15,893
13. Steam Plant	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	3,183	3,183
14. Barn	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	Demolished
15a Deaf/Blind Unit 2	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	Demolished
15b Deaf/Blind Unit 3	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	Demolished
15c Vocational Cottage	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	Demolished
15d Voc. Rehab. Unit	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	Demolished
15e Rental Cottage	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	Demolished
16. Greenhouse	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	Demolished
17. Lions' Bldg.	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	1,100	128	2,310	-0-	-0-	-0-	3,410
18. Adams Bldg.	9	522	4,697	1,028	752	2,156	130	-0-	-0-	524	2,190	200	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	11,547
19. Deaf/Blind Unit 1	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	Demolished
20. New P.E. Bldg.	-0-	-0-	-0-	-0-	600	-0-	-0-	5	19,495	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	20,095
21. New Service Bldg.	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	8,320	8,320
22. Voc. Bldg. Addition	3	807	2,421	-0-	355	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	2,776
23. New Greenhouse	1	2,670	2,860	-0-	100	-0-	-0-	-0-	-0-	-0- [c]	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	2,960
24. Aud./Student Union	-0-	-0-	-0-	-0-	-0-	7,000	550	-0-	-0-	1,575[c]	-0-	-0-	-0-	-0-	-0-	7,200	-0-	-0-	-0-	-0-	-0-	15,775
25. Deaf M.H. Instr. Cluster	9	525	4,725	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	4,725
26. Deaf/Blind Living/ Instr. Clusters	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	40	11,250	-0-	-0-	-0-	-0-	-0-	-0-	11,250
TOTALS	62		36,563	4,959	4,126	9,156	680	8	32,780	2,099	4,800	200	5,710	368	74,490	8,300	445	20,740	16	2,187	11,503	217,613

a) Area included in Library Area.
b) Existing snack bar, teen club, library and professional library convert to central receiving, supply and storage, included under Dining Facilities.
c) Preschool living skills laboratory.
d) Instructional space has multi-pupose, and is counted under Dormitory Facilities.

Space Projections: Site Elements

PARKING FACILITIES

Parking facilities available for use by the faculty, staff, students, and visitors at the School consist of four paved parking lots with curb and gutter and painted parking stripes, one gravel parking area, and considerable off-street curb parking adjacent to the campus.

The administrative parking lot is located immediately west of the Administration Building and contains 23 marked spaces. Generally, this lot is used by administrative personnel as well as visitors coming to the administrative building. One space is marked as a reserved space for use by the Superintendent only while five spaces are restricted for 15 minute parking only. The central parking lot is located east of Gottlieb and north of the Industrial Building. It contains 45 spaces of which one space is restricted for nurse parking only and six spaces are reserved for State vehicles. The next paved lot is located north of the Adams Building and contains 25 marked spaces. The vocational yard located immediately south of the Vocational Building is not a parking lot as such but does provide space for the parking of six vehicles. A gravel parking area located east of the existing gymnasium contains enough area for the parking of approximately three rows of vehicles at 13 vehicles per row or a total of 39 vehicles. Generally, during a typical day, this lot will contain only 8 to 10 cars. This graveled area is not near enough to the central part of the campus to be utilized with the intensity of the other lots. The existing parking facilities indicated above provide a total of 138 spaces.

Very few restrictions exist on the use of automobiles on campus. Other than those spaces already mentioned as restricted parking, the parking facilities are used on a first-come, first-served basis. There are approximately 20 deaf high school students who drive cars and they are requested to park off-campus because of the severe parking limitations. The off-campus parking has been the cause of many complaints from neighboring residents.

The maximum daily loading on the parking facilities occurs between 8:30 and 9:00 a.m. It is during this period that faculty members are arriving for classes and the dorm counselors have not yet left the campus for the day. Consequently, at 9:30 vacant parking spaces exist as a result of the turnover factor.

At the same time during the day another parking problem exists when parents are coming to School to drop students for classes. This problem has been compounded during the last school year because of the change in policy regarding students living in Colorado Springs. Now, for the Deaf School alone, approximately 50 students are delivered to class in automobiles every morning. The parents normally park in the central parking lot and walk their children into the Gottlieb Building.

Generally speaking, the special events such as Christmas programs, basketball games, and the like do not occur during the normal school day and therefore the existing parking facilities are partially available for spectators or visitors to the School. The overflow of cars during these peak periods generally park at the curb or around the practice football field. It is felt that it is not economically feasible to construct permanent parking facilities for the peak loadings that occur for these special events.

The existing parking facilities are inadequate to serve the existing faculty, staff and students and before parking requirements for the 1980 enrollment levels can be projected, one must first determine the required number of spaces for the existing enrollment level. As is indicated in the first section of this report, there is a total of 79 existing faculty members and 127 existing staff members for a total of 206 faculty and staff personnel. Of these, approximately 34 are dormitory supervisors and counselors who are on duty during the late afternoon, night and early morning hours. The reaming 172 people are on duty during the daytime hours. From past experience, it is estimated that 95% or 163 of these daytime personnel drive automobiles to the School. The remaining 8 either ride the mass transit bus system or ride with fellow faculty and staff personnel. If we assume approximately 50% of the evening workers (17) will still be on duty in the morning when daytime staff and faculty members are arriving, we can see that the total demand on the parking facilities from faculty and staff personnel alone will be for 180 parking spaces. If we add to this figure, 20 parking spaces for students, 10 maintenance and operation vehicles, 10 visitor parking spaces in front of the administration building and 20 visitor parking spaces for parents delivering children to the School for the Deaf in the morning, we have a total demand for 240 parking spaces during the period from 8:30 until slightly after 9:00 a.m. These figures are indicated in chart form below as well as the 1980 projected requirements.

EXISTING 1975 DEMAND FOR PARKING AT 9:00 A.M.

CATEGORY	No. People	% Requiring Parking At Maximum Loading	No. Spaces Required
Faculty	79	95	75
Staff (Daytime)	93	95	88
Staff (Night)	34	50	17
Students			20
Visitors			30
Maint. & Oper. Vehicles			10
TOTAL			240

PROJECTED 1980 DEMAND FOR PARKING AT 9:00 A.M.

CATEGORY	No. People	% Requiring Parking At Maximum Loading	No. Spaces Required
Faculty	112	95	106
Staff (Daytime)	127	95	121
Staff (Night)	34	50	17
Students			24
Visitors			35
Maint. & Oper. Vehicles			10
TOTAL			313

UTILITIES

As was discussed under the inventory of existing facilities, it is beyond the scope of this study to make a detailed analysis of the existing utility system and to make recommendations regarding its expansion as new buildings are constructed and additions to existing buildings are made. In the 1966 Long-Range Campus Development Study, it was stated that the existing steam plant building contains vacant space which should be adequate to accommodate a new boiler rated at 600 HP. Such a unit would generate enough steam to support all probable campus demands for the medium range future.

A new boiler was constructed in the Fall of 1975. This new coal burning boiler will replace the gas/coal boiler as the main campus boiler. An existing gas/oil boiler is used as the standby boiler. Unfortunately, the new boiler provides no new additional capacity for new buildings and now no vacant space remains in the steam plant building.

It is generally felt that additional capacity for new buildings on the north campus may be made available as existing buildings are demolished, but new buildings constructed on the south campus will probably be required to furnish their own heating system.

OTHER SITE ELEMENTS

At the present time, no new outdoor athletic, physical education or recreation facilities are planned for the 1980 enrollment levels. As new buildings, additions and parking facilities are constructed and existing buildings torn down as planned, additional sidewalks, campus lighting, and landscaping will be required. For the purposes of the Master Plan, it is assumed that the cost of the new campus walks, lighting and landscaping will be included with the building project cost and as a separate site development project.

School officials have expressed a strong desire to install automatic lawn watering facilities where none exist now. The only areas presently equipped with automatic sprinklers are the grass areas around the Lions Dining Building and the Adams Building. It is felt that the sprinklers will pay for themselves in the reduction of maintenance and operation personnel required by the School.

The existing playing field on the south campus is without night lighting. If games could be played at night during the week, less games would interrupt regular class time, more students could go home on weekends rather than stay for weekend games, and more parents could attend the games. Night lighting is planned as part of this Master Plan.

1980 Campus Plan

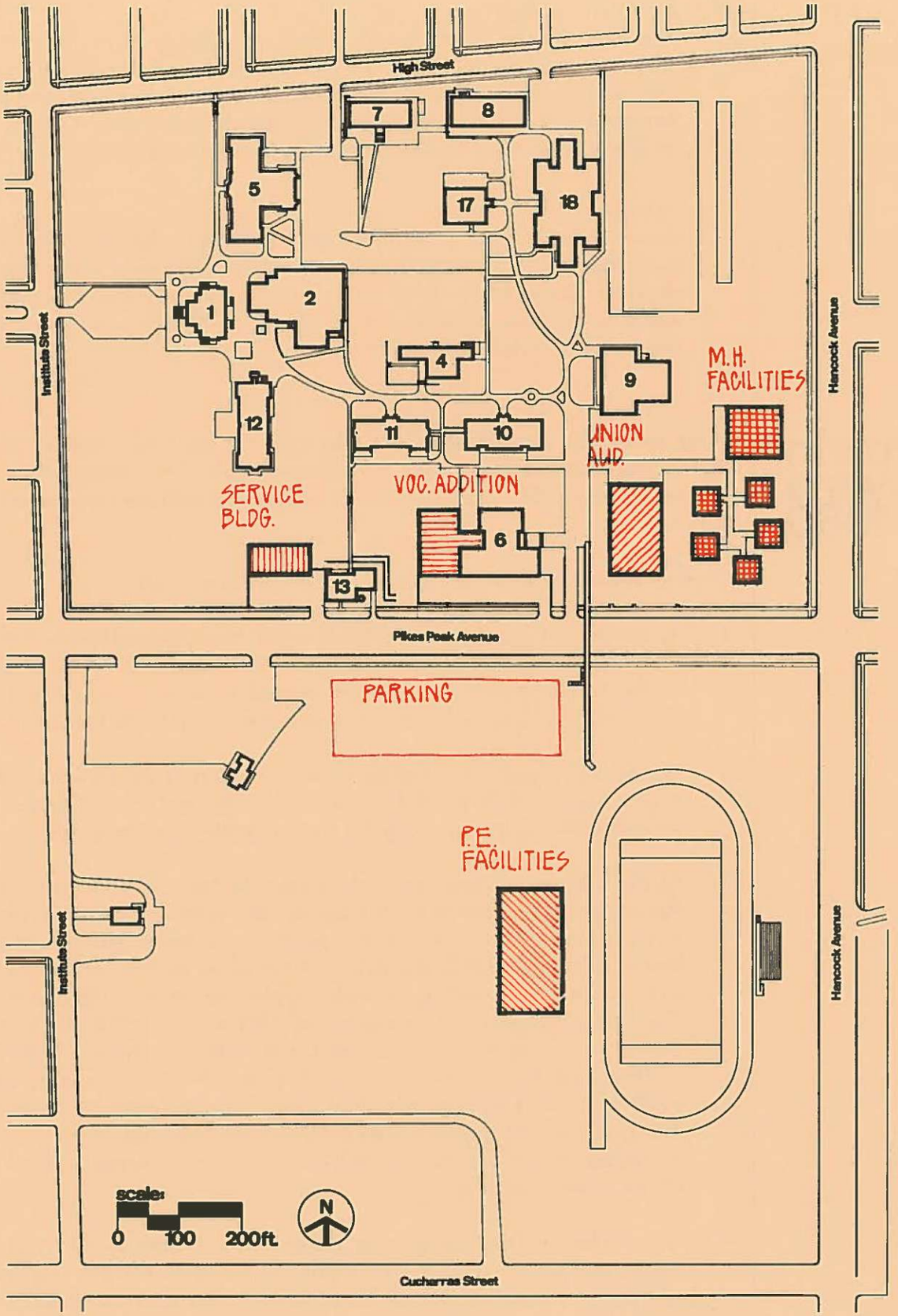
The following 1980 campus plan indicates the location of the construction projects that have been planned for the 1980 enrollment level of 375 students. Major considerations given to the location of these new facilities are listed below:

1 - Physical Education Facilities
The new physical education facilities have been located immediately to the west of the existing football field and running track on the south campus. For the most part, these facilities will be utilized by deaf students with the emphasis being on older deaf students. Thus it was felt that the distance from the center of the north campus to the new physical education building was not of major concern. With the future development of the land area west of the new P.E. facilities into outdoor physical education and recreation fields, the new physical education building will become centrally located to the outdoor facilities it serves. It is also felt that the new physical education building should be near adequate parking that would serve the athletic events planned.

2 - Multi-Handicapped Facilities
The new multi-handicapped instructional cluster and the deaf/blind instructional and living clusters make up the multi-handicapped zone. This zone is planned for the southeast corner of the north campus. Here the new facilities can be constructed prior to the demolition of the existing MH Units. The zone is relatively close to West Hall which will serve as an MH residence until the enrollment increases warrant construction of additional MH residences within the MH zone. It was generally felt that to place the MH zone on the south campus would isolate it from the Hubert Work Gymnasium and the Argo Building. It would also create an unsafe situation where MH students would be separated from the many parts of the campus by Pikes Peak Avenue. The location of the zone in the southeast corner of the north campus provides adequate space for future expansion to the north.

3 - Vocational Building Addition and New Greenhouse Facilities
In the foreseeable future, the blind vocational program as well as the deaf vocational program will be controlled by a single vocational director. Therefore, it was felt that the additional vocational facilities should be attached to the existing vocational building in order to provide the supervision necessary for the development of the overall vocational program.

4 - Student Union and Auditorium
The new student union and auditorium facilities have been located on the north campus immediately east of the Pikes Peak Avenue overpass. This location is easily accessible from the academic and residential facilities for the deaf students, the blind students and the multi-handicapped students. It is also near new parking facilities that are planned on the south campus.


High Street
Institute Street
Hancock Avenue
Pikes Peak Avenue
Cucharras Street
1
2
4
5
6
7
8
9
10
11
12
13
17
18
M.H. FACILITIES
UNION AUD.
VOC. ADDITION
SERVICE BLDG.
PARKING
P.E. FACILITIES
scale:
0 100 200ft.
N

5 - Service Building
The service building has been located immediately to the west of the existing steam plant. This location will combine all maintenance and operation functions into one central location. The building is presently envisioned as a two-story structure with the laundry operation located in the second level, accessible at grade level from the residential facilities on the north side of the building.

6 - Parking
A new major parking facility has been located at the north end of the south campus immediately to the west of the overpass. This location is near the new physical education facilities as well as the student union and auditorium facilities and will therefore provide parking space for athletic events as well as public events being held in the auditorium.

Growth Beyond 1980

Three zones, the zone for the Deaf, the zone for the Blind, and the zone for the Multi-Handicapped, have been created as a result of the construction projects planned for the 1980 enrollment level. These are indicated on the campus plan that follows.

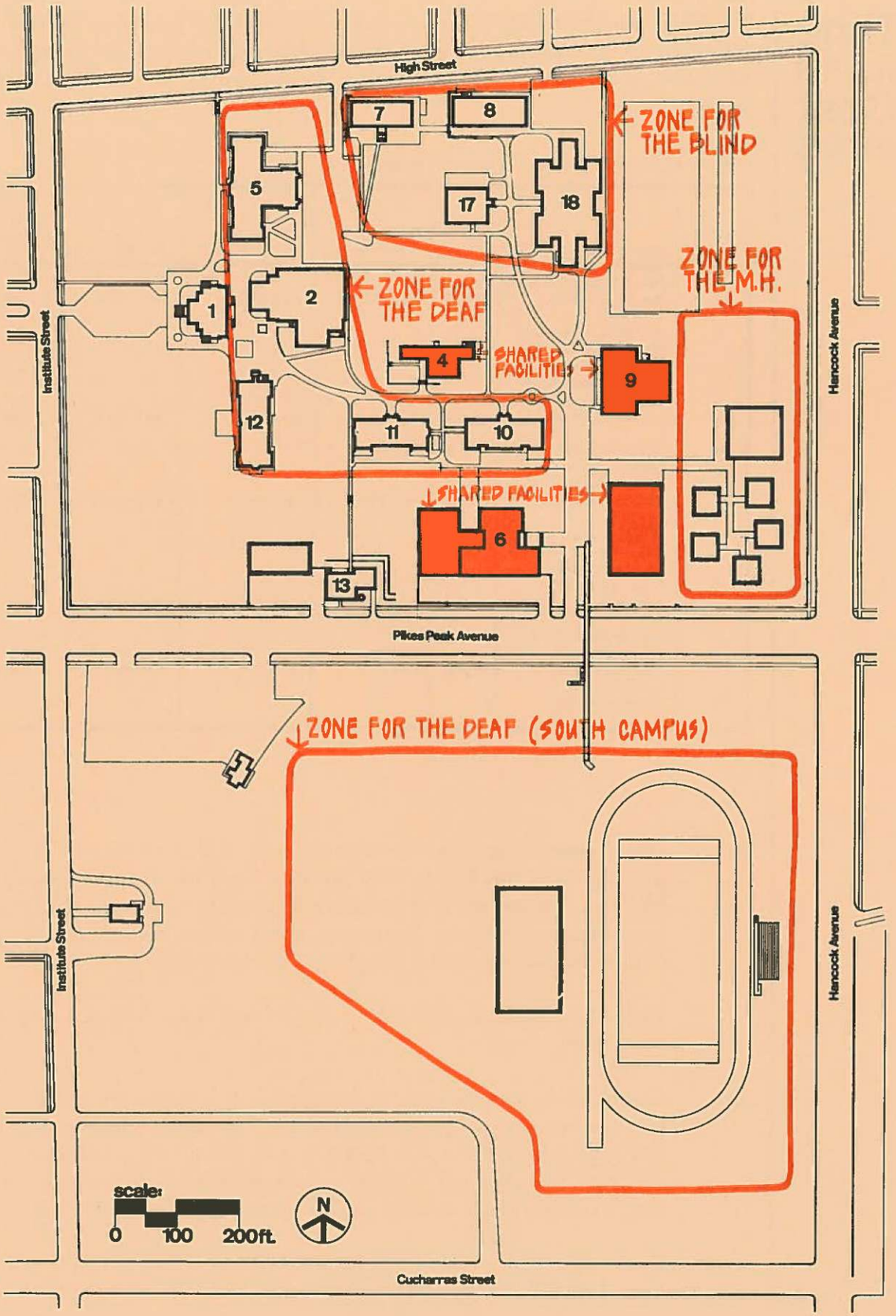
Growth beyond 1980 is anticipated in the following ways:

1. As enrollment increases, additional multi-handicapped residential and instructional facilities will be required. New facilities will be constructed on the northern portion of the multi-handicapped zone and in turn building No. 11, West Hall, will be vacated as a residential facility for the multi-handicapped.

2. Gottlieb will provide some space for expansion of the educational programs for deaf students. As West Hall is vacated by the multi-handicapped program, it will provide additional space for the expanding deaf program.

3. At the 1980 enrollment level, the Adams building will be completely filled with the educational program for the blind. Jones Hall and Palmer Hall will provide a limited amount of space for the expansion of the residential program for the blind. New residential facilities for the blind can be constructed immediately west of the Lions Building, thereby displacing the existing playground area. The Adams building can be expanded fairly easily, either to the north, to the east or to the south to provide additional academic space. With Building No. 19 (the Deaf/Blind Unit 1) and Building Unit No. 14 (the Barn) demolished, additional space will be available for physical education and recreations fields. It is possible that the play area presently located west of the Lions Building and displaced by new residential facilities could be replaced in this vicinity east of the Adams Building.

4. Growth beyond the above three increments will have to take place in the land areas reserved at the northwest corner of the north campus, the southwest corner of the north campus and the unused areas of the south campus.


High Street
7
8
ZONE FOR THE BLIND
5
17
18
ZONE FOR THE M.H.
ZONE FOR THE DEAF
1
2
4
SHARED FACILITIES
9
Institute Street
Hancock Avenue
12
11
10
SHARED FACILITIES
6
13
Pikes Peak Avenue
ZONE FOR THE DEAF (SOUTH CAMPUS)
Institute Street
Hancock Avenue
scale:
0 100 200ft.
N
Cucharras Street

Time Schedule &Cost Estimates

The following chart lists the new construction projects that have been planned, the total GSF of each project, the scheduled planning and construction dates, and the estimated costs. A detailed description of each project is contained earlier in this section.

SCHEDULED CONSTRUCTION AND ALTERATION PROJECTS [a]

PROJECT NO.	PROJECT DESCRIPTION	AREA GSF	START PLANNING [b]	START CONSTRUCTION	COMPLETE CONSTRUCTION	JULY 1976 COST $ PER SF [c]	JULY 1976 COST TOTAL	TOTAL COST ESCALATED TO START OF CONSTR. [d]
1	New P.E. facilities and demolition of barn.	25,120	July 1977	April 1978	April 1979	$45	$1,130,400	$1,288,769
2	Deaf M.H. Unit instructional cluster and Deaf/Blind living/instructional clusters. Demolition of Deaf/Blind units, voc. unit and rental unit.	19,450	July 1977	April 1978	April 1979	$35	$ 680,750	$ 776,123
3	Vocational building addition and new greenhouse. Demolition of existing greenhouse.	7,340	July 1977	February 1978	December 1978	$30	$ 220,200	$ 248,099
4	New auditorium, student union and preschool living skills center. Minor remodeling in Gottlieb	21,850	July 1978	April 1979	April 1980	$40	$ 874,000	$1,066,367
5	New service building and demolition of industrial building	9,250	July 1978	February 1979	December 1979	$30	$ 277,500	$ 334,887
6	Site development [e]							

a) Minor remodeling and alteration projects that are normally required to maintain existing facilities and to meet building code requirements have not been included. The extent of this work is impossible to predict with any degree of accuracy at this time. The areas, dates and estimated costs are general in nature and are for master planning purposes only.

b) Time schedule assumes planning and construction funds are appropriated at the same time.

c) Construction cost for each building project includes structure, built-in equipment, site work and landscaping in the immediate vicinity of the new building and connection of the new building with the existing sidewalk systems. Construction cost does not include architectural and engineering fees, survey and site investigation, movable equipment or program planning fees.

d) Costs have been escalated at a rate of 8% per year or 8/12 = .667% per month from July 1976 to the date indicated for start of construction for each project.

e) The site development involves three projects: automatic lawn watering system; night lighting for the football field; and new parking facilities. The site work and landscaping costs related to each building project have been included in the building costs.

Automatic lawn watering system - Because it is impossible to predict with any degree of accuracy the area to be added to the existing automatic lawn watering system or the date at which it is added, no definitive installation projects have been established. The July 1976, costs for sprinkler systems range from 13¢ to 16¢ per square foot depending on the type of area to be watered.

Football field night lighting - No date has been established for this project. July 1976, costs for this work would range from $30,000 to $45,000 depending on the distance to the source of power, the type of lighting structure and its foundation, the number of poles and the footcandle level. The above cost range would provide a range of footcandles from 15-20 on the field area.

New parking facilities - The following cost estimate provides detailed information used in computing the cost per parking space for new parking facilities. The cost figures used are for July 1976.

1.	Rough grading, fill work, earth berms (12¢/SF)	=	$ 5,227 per acre
2.	4" base coarse plus 2" asphalt paving ($4.85/yd)	=	23,474 per acre
3.	Concrete curb and gutter ($2.30/LF, 1010 LF/ acre)	=	2,323 per acre
4.	Striping (120 cars per acre) - 10¢ per LF, 23 LF per space	=	276 per acre
5.	Lighting (four 25' high poles per acre providing a lighting level of 1 footcandle)	=	4,800 per acre
6.	Signs	=	200 per acre
7.	Landscaping	=	1,400 per acre
			$37,700

$37,700 per acre/120 cars per acre = $314 per car