



STATE Connecticut
CITY West Hartford COUNTY Hartford
DATE December 1, 1953

ARCHITECTS' ROSTER QUESTIONNAIRE

TO EVERY ARCHITECT IN THE UNITED STATES AND ITS POSSESSIONS:

The Architects' Roster is maintained by The American Institute of Architects as a service to the profession as a whole and to agencies of the United States Government. Every registered architect, whether or not a member of The Institute, is eligible for inclusion in the Roster. The Institute maintains custody of the Roster, keeps it up to date and in good order for use. The Roster is available to any representative of the Government and to representatives of foreign governments in Washington. Reference may be made to The Architects' Roster in negotiations with government agencies and other interested parties. Experience with the Roster since its establishment in 1946 has shown its usefulness. Growing out of an earlier Register of architects qualified for public works, The Roster provides at The Octagon an accurate, current record of the qualifications and achievements of members of the profession. It allows a positive and helpful response to requests for factual information on architects, and in that way constitutes a service to the profession.

The American Institute of Architects assumes no responsibility for the accuracy of statements made in this Questionnaire. The obligation to maintain this record as a current description of an architectural firm rests with the firm, and supplementary record forms are available for this purpose.

PARTNERSHIPS SHOULD MAKE A JOINT RETURN ONLY.

Original and one copy to be mailed to THE ARCHITECTS' ROSTER, The American Institute of Architects, 1735 New York Avenue, N. W., Washington 6, D. C. One copy to be retained by the author.

1 a FIRM (Indicate whether individual, partnership or corporation.)

Warren H. Ashley

b FORMER FIRM, Name if any.....

2 STREET ADDRESS 967 Farmington Avenue Phone 3-4990

3 YEAR ESTABLISHED 1932

4 PERSONAL HISTORIES OF PRINCIPALS

Furnish data complete, but keep to essentials. Describe each member of firm individually; if more than four, append extra sheets.

Warren H. Ashley

	NAME OF PRINCIPAL	NAME OF PRINCIPAL
a	Date of Birth	October 8, 1909
b	Place of Birth	East Longmeadow, Mass.
c	Education	Springfield Technical High School, Springfield, Mass. 1926 School of Architecture, Syracuse University 1931

d Experience Prior to Own Practice

(Give architect or architectural firm affiliations, positions held, and approximate dates of employment.)

	L. S. Beardsley, Rye, New York	2 1/2 years
	Milton Hayman, West Hartford, Conn.	2 1/2 years
	C. J. Malmfeldt & Associates, Hartford, Conn.	6 years

e Commenced Practice 1932

f Number of Years a Principal 21

g Architectural Licenses (Give State, Number and Year issued.)

Massachusetts	109	1942	New Jersey	C-3220	1953
Connecticut	1100	1949			
New York	6561	1953			
Vermont	93	1953			
New Hampshire	153	1953			
Rhode Island	232	1953			

h Membership in Professional Societies and Offices Held

American Institute of Architects - Connecticut Chapter
Boston Society of Architects
Western Massachusetts Society of Architects

i Service in World Wars I and II (Append data if desired.)

Lieutenant Commander U. S. Navy
1/2 year - Naval Mine Depot - Yorktown, Virginia
1 1/2 year - Executive Officer, Navy Barracks, Naval Mine Depot
1 1/2 years A. P. A. - 121 Boat Group Commander - Pacific Fleet

j Civic Activities

5 REMARKS CONCERNING QUALIFICATIONS OF FIRM

(This space is best used to present qualifying information such as number of employees, amount of office space, financial information and other information presumed of interest to a prospective client. Append extra sheet or use back of this form, if necessary.)

Our relationship to our engineers and site planners is unique and exceptionally efficient. We are located in adjacent offices in the same building. We have 1500 sq. ft. of floor area in the architectural offices, 1500 sq. ft. in the engineers' offices and 500 sq. ft. in the site planners' offices. We have 15 architectural men, 15 engineers and 4 site planners. We have good financial rating and we suggest that you contact Dunn and Bradstreet for the latest information.

6 CONSULTANTS USUALLY EMPLOYED: (If a member of your staff, so state.)

a STRUCTURAL ENGINEERS

Name of Firm or Individual... Marchant and Minges
Business Address... 967 Farmington Avenue, West Hartford, Connecticut

b HEATING AND VENTILATING ENGINEERS

Name of Firm or Individual... Marchant and Minges
Business Address.....

c ELECTRICAL ENGINEERS

Name of Firm or Individual... Marchant and Minges
Business Address.....

d PLUMBING OR SANITARY ENGINEERS

Name of Firm or Individual... Marchant and Minges
Business Address.....

e LANDSCAPE ARCHITECTS

Name of Firm or Individual... Charles Currier and Associates
Business Address... 967 Farmington Avenue, West Hartford, Connecticut

f OTHER (Civil, Foundation or Mechanical Engineers, Appraiser, Equipment Designers, Valuers, Industrial Layout Engineers, etc.)

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7 REPRESENTATIVE WORK FOR WHICH YOU WERE OR ARE ARCHITECTS; OR WERE OR ARE ASSOCIATED WITH OTHERS: (In left margin, mark *—U. S. Government projects, **—projects not yet complete.)

Name and type of project	Location	Date	Cost	Indicate whether as Architect or Associate Architect
North School	Wolcott, Conn.	1946	165,000	Architect
Judah Frisbie Sch.	" "	1949	225,000	"
Addition to Judah Frisbie School		1952	285,000	"
Cross Street Sch.	Naugatuck	1948	170,000	"
Western Elementary	"	1948	260,000	"
Addition to Western Elementary		1953	185,000	"
Consolidated School, Harwinton		1947	225,000	"
Addition to Consolidated School				
	Harwinton	1949	100,000	"
Memorial School	Wilbraham, Mass.	1948	450,000	"
Addition to Memorial School		1952	250,000	"
Addition to Pine School	Wilbraham	1952	100,000	"
Consolidated School	Bethlehem, Conn.	1949	200,000	"
Consolidated School	Southbury, Conn.	1950	300,000	"
Memorial School	Middlebury, Conn.	1950	550,000	"
Center School	Plymouth, Conn.	1950	200,000	"
Plymouth High Sch.	Terryville, Conn.	1950	1,300,000	"
Junior High School	Watertown, Conn.	1951	1,200,000	"
Junior Senior High School				"
	Cheshire, Conn.	1951	1,200,000	"
Waterbury Vocational School				"
	Waterbury, Conn.	1950	1,500,000	"
Senior High School	Groton, Conn.	1953	1,100,000	"
Wadsworth Street School				"
	Middletown, Ct.	1953	850,000	"
Junior Senior High School				"
	Old Saybrook	1953	1,100,000	"
Senior High School	West Springfield			"
	Mass.	1953	2,900,000	"
Regional School	Sheffield, Mass.	1953	850,000	"
Regional School	Charlemont, Mass.	1953	350,000	"
Junior Senior High School				"
	Greenburgh, N. Y.	1953	1,750,000	"
Junior High School	Hampden, Conn.	1953	2,000,000	"

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8 PHOTOGRAPHS/PHOTOSTATS

Not mandatory. Submit herewith photographs or photostats (size 8" x 10") of several buildings for which you have been the Architect, as follows: (N.C.A.R.B. presentation acceptable.)

Memorial School, Middlebury, Connecticut

Junior Senior High School, Chesire, Connecticut

Plymouth High School, Terryville, Connecticut

9 COLLABORATION WITH OTHER ARCHITECTS:

a As an established individual firm, are you willing to collaborate with other firms or individuals?

Yes

b Are you and/or your firm agreeable to accepting supervision of work where designs are produced by others— or vice versa?

Yes

c List firms (or individuals) with which you are associated at present or have an associate or working agreement: (Please furnish a letter from the other party verifying the association.)

C. J. Malmfeldt and Associates, Hartford, Conn

Paul B. Johnson, Springfield, Mass.

Scofield and Lindsay, New London, Connecticut

10 THIS QUESTIONNAIRE MAY BE MADE AVAILABLE TO GOVERNMENTAL AGENCIES

yes

no

The undersigned hereby certify that the above is a true statement of facts.

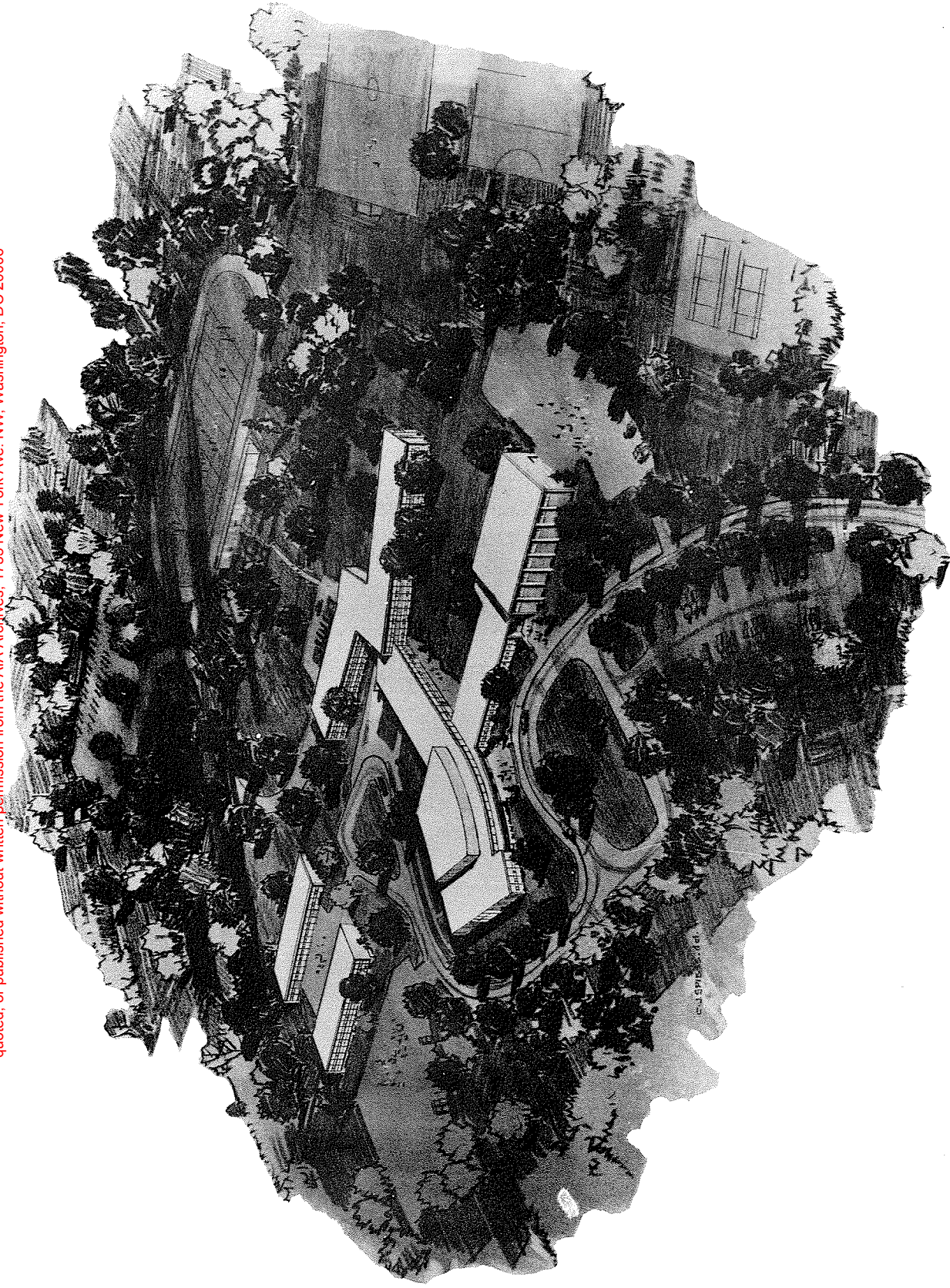
Name of Firm or Individual: Warren H. Ashley

Signed by all Principals: Warren H. Ashley

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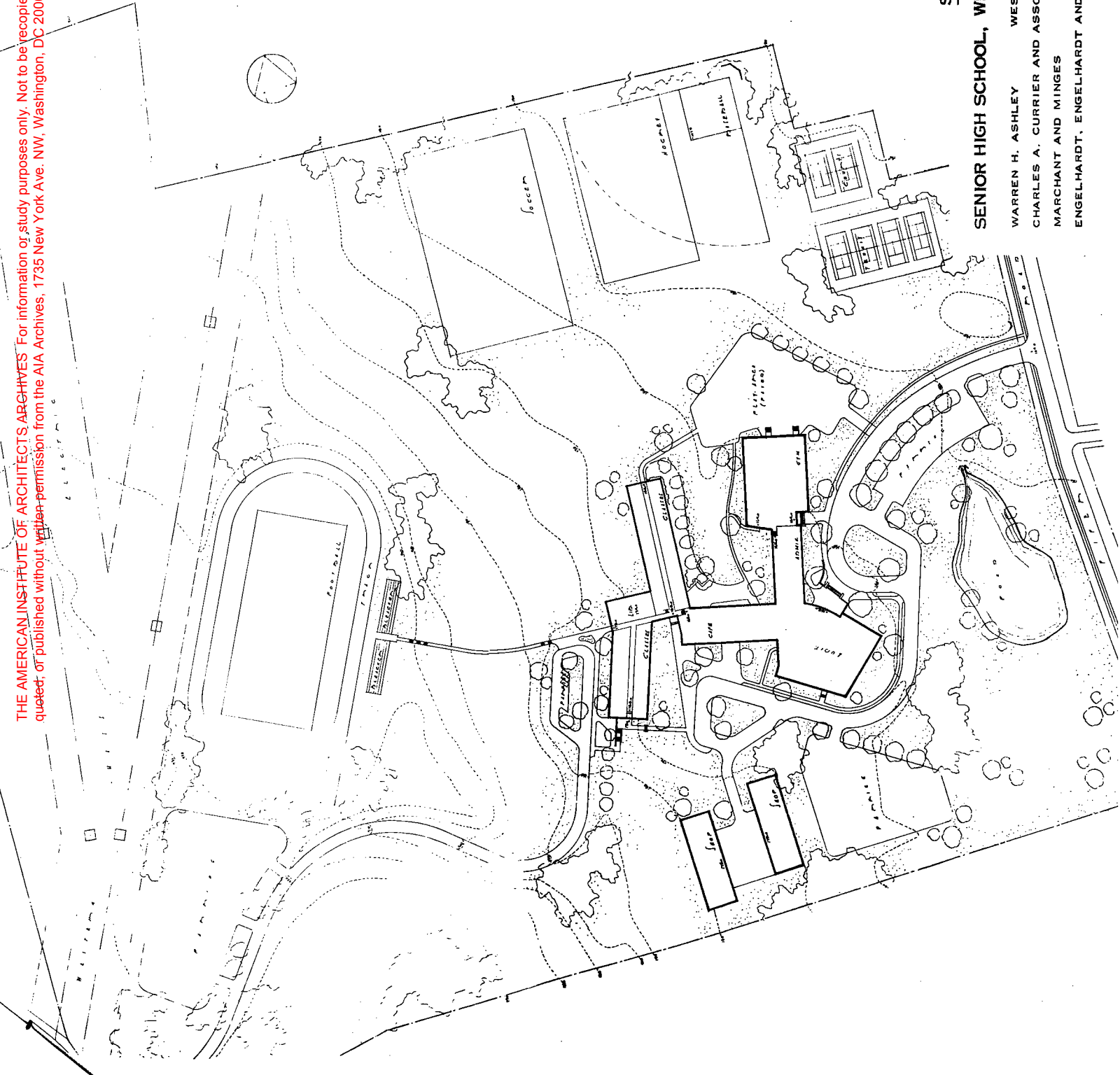
OFFICIALS WITH WHCM WE HAVE WORKED

Wolcott , Connecticut	Mr. Carl Mattson, Ch. School Bldg. Com.
Naugatuck, Connecticut	Mr. Harold Chittenden, Supt. of Schools.
Harwinton, Connecticut.	Mr. H. Edward Hooper, Ch. School Bldg. Com.
Bethlehem, Connecticut	Mr. George Pelzer, Ch. School Bldg. Com.
Southbury, Connecticut.	Mr. Kenneth Baldwin, Ch. School Bldg. Com.
Middlebury, Connecticut.	Mr. Almanzo Schaff, Ch. School Bldg. Com.
Watertown, Connecticut.	Mr. Ellsworth Candee, Ch. School Bldg. Com.
Cheshire, Connecticut.	Dr. John Thorpe, Supt. of Schools.
Plymouth, Connecticut.	Mr. Thomas Shaheen, Supt. of Schools.
Wilbraham, Massachusetts	Mt. Irving Agard, Jr., Supt. of Schools.
Groton, Connecticut.	Mr. S. B. Butler, Supt. of Schools.
Charlemont, Massachusetts.	Mr. Thomas Warren, Supt. of Schools.
Middletown, Connecticut.	Mr. Creighton F. Magoun, Supt. of Schools.
Old Saybrook, Connecticut	Mr. Joseph W. Walsh, Supt. of Schools.
West Springfield, Massachusetts	Mr. Stanley Wright, Supt. of Wchools.
Sheffield, Massachusetts.	Mr. Charles Conklin, Ch. School Building Committee, Ashley Falls, Massachusetts
Scarsdale, New York.	Dr, Charles Blanford, President Board of Education, 75 Round Hill Road, Scarsdale, New York.
Hampden, Cobnecticut.	Mr. Paul Fleming, Ch. School Bldg. Comm. 54 Lake Street, Hampden, Conn.



SENIOR HIGH SCHOOL, WEST SPRINGFIELD, MASSACHUSETTS

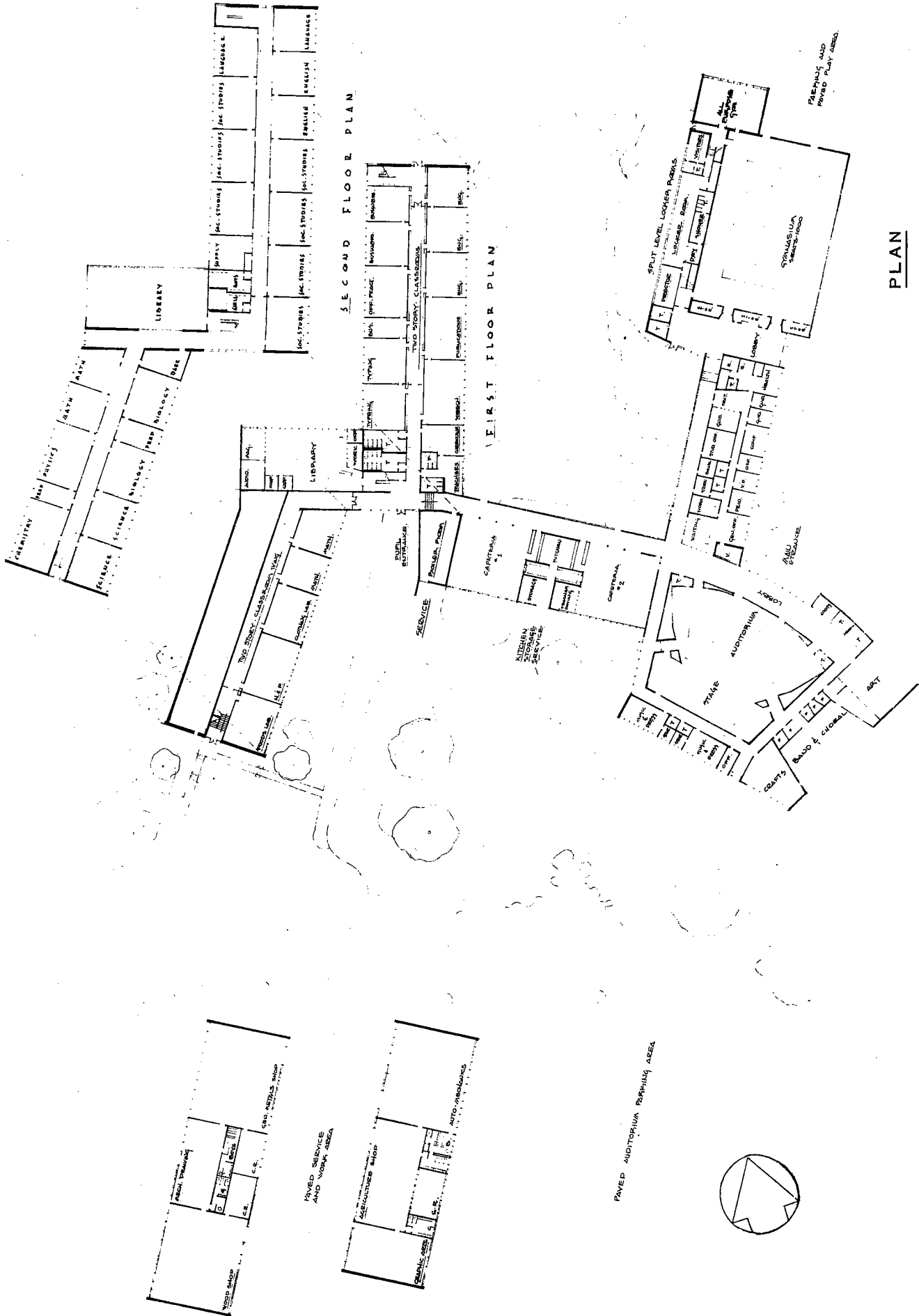
WARREN H. ASHLEY	WEST HARTFORD, CONNECTICUT	ARCHITECT
CHARLES A. CURRIER AND ASSOCIATES		SITE PLANNERS
MARCHANT AND MINGES		ENGINEERS
ENGELHARDT, ENGELHARDT AND LEGGETT		EDUCATIONAL CONSULTANTS



SITE PLAN

SENIOR HIGH SCHOOL, WEST SPRINGFIELD, MASSACHUSETTS

WARREN H. ASHLEY WEST HARTFORD, CONNECTICUT ARCHITECT
CHARLES A. CURRIER AND ASSOCIATES SITE PLANNERS
MARCHANT AND MINGES ENGINEERS
ENGELHARDT, ENGELHARDT AND LEGGETT EDUCATIONAL CONSULTANTS



PLAN

SENIOR HIGH SCHOOL, WEST SPRINGFIELD, MASSACHUSETTS

WARREN H. ASHLEY WEST HARTFORD, CONNECTICUT ARCHITECT
 CHARLES A. CURRIER AND ASSOCIATES SITE PLANNERS
 MARCHANT AND MINGES ENGINEERS
 ENGELHARDT, ENGELHARDT AND LEGGETT EDUCATIONAL CONSULTANTS

SENIOR HIGH SCHOOL WEST SPRINGFIELD, MASSACHUSETTS

CAPACITY

THE WEST SPRINGFIELD High School is being planned to accommodate 1,000 students. Initially the program calls for accommodating grades 9 through 12. Eventually, it is intended that the building be limited to grades 10 through 12 when adequate junior high school facilities are provided for the ninth grade.

PLAN

THE PLAN CALLS FOR A MAJOR ENTRANCE TYPE OF ROAD SERVING THE SCHOOL BUILDING AND THE ATHLETIC FIELDS. THE WESTERN SECTION OF THE SITE IS BEING RESERVED FOR FUTURE DEVELOPMENT AND ADDITIONS AS MAY BE REQUIRED.

BUILDING

THE AUDITORIUM, CAFETERIA AND GYMNASIUM ARE IMMEDIATELY ACCESSIBLE FOR PUBLIC USE AS WELL AS FOR SCHOOL USE. THE AUDITORIUM, SEATING 800 PERSONS, HAS BEEN PLANNED ON ONE FLOOR WITH EXCELLENT VISIBILITY FOR ALL TYPES OF SCHOOL FUNCTIONS AND STAGE PRESENTATIONS. THE AUDITORIUM UNIT HAS BEEN DESIGNED TO MEET THE REQUIREMENTS OF MAXIMUM COMMUNITY USE AS WELL AS THE VARIED ACTIVITIES OF THE HIGH SCHOOL PROGRAM.

THE LARGE GYMNASIUM, WHICH IS DIVISIBLE INTO THREE SMALLER AREAS BY MEANS OF ELECTRICALLY OPERATED FOLDING PARTITIONS, WILL SEAT 1,000 PERSONS. ONE HUNDRED TWENTY STUDENTS CAN BE ACCOMMODATED AT ONE TIME UNDER THE GUIDANCE OF THREE TEACHERS.

THE CAFETERIA HAS BEEN DIVIDED INTO TWO PRINCIPAL UNITS WHICH ACCOMMODATE 200 STUDENTS EACH. THE KITCHEN AND SERVICE AREAS MAY BE CLOSED OFF COMPLETELY FROM THE DINING AREA WHICH PERMITS THAT THESE LARGE ROOMS MAY BE UTILIZED FOR OTHER PURPOSES OUTSIDE THE NOON HOUR.

THE MAIN LABORATORY AND CLASSROOM UNIT IS TWO STORIES IN HEIGHT AND DIVIDED INTO FOUR UNITS WITH THE LIBRARY IN THE CENTER. THESE FOUR UNITS HAVE BEEN DESIGNED SO THAT THEY ARE ADAPTABLE TO FUTURE CHANGES WHICH MAY OCCUR IN THE SECONDARY SCHOOL PROGRAM.

THE SHOP FACILITIES ARE PROVIDED IN AN INDUSTRIAL TYPE STRUCTURE ADJACENT TO THE MAIN SCHOOL BUT SEPARATED SUFFICIENTLY SO THAT THE SHOP UNIT MAY HAVE ITS OWN DESIGN CHARACTERISTICS. A COMPLETE SHOP PROGRAM HAS BEEN PROVIDED FOR WITH AN OUTDOOR PAVED WORK AREA ADJACENT TO ALL OF THE SHOPS.

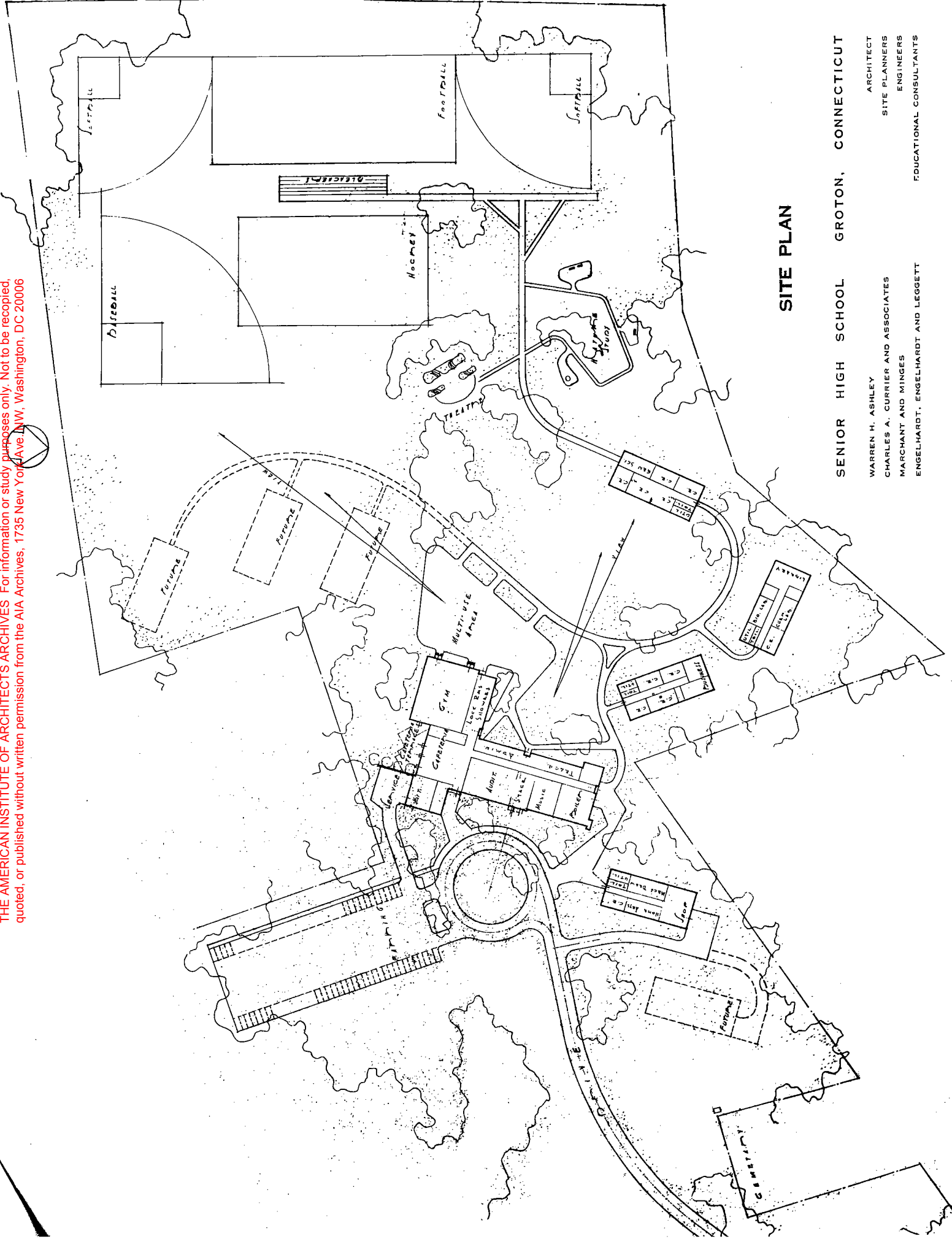
ENGELHARDT, ENGELHARDT AND LEGGETT
EDUCATIONAL CONSULTANTS



WARREN H. ASHLEY
CHARLES A. CURRIER AND ASSOCIATES
MARCHANT AND MINGES
ENGELHARDT, ENGELHARDT AND LEGGETT

ARCHITECT
SITE PLANNERS
ENGINEERS
EDUCATIONAL CONSULTANTS

SENIOR HIGH SCHOOL GROTON, CONNECTICUT



SITE PLAN

SENIOR HIGH SCHOOL GROTON, CONNECTICUT

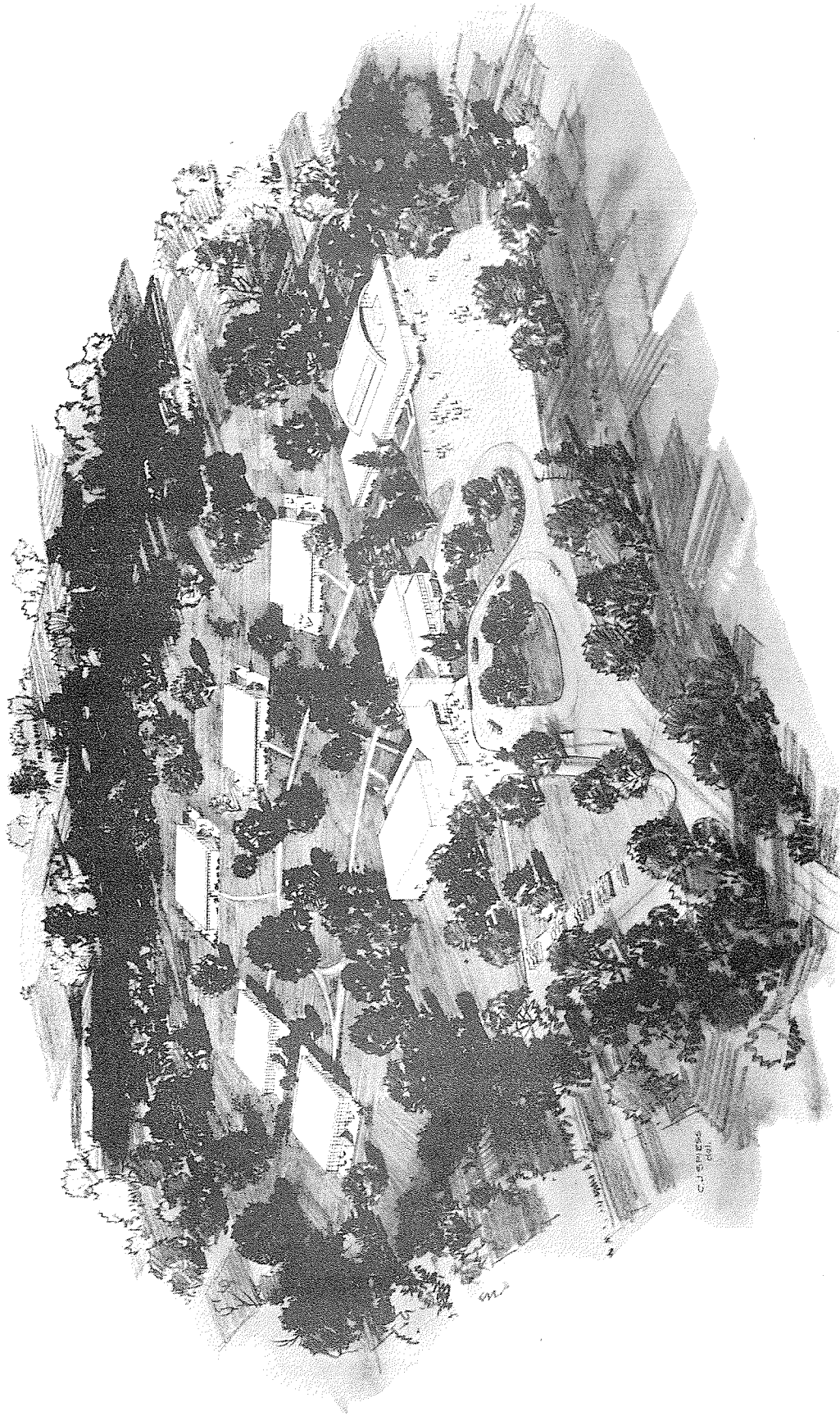
WARREN H. ASHLEY ARCHITECT
CHARLES A. CURRIER AND ASSOCIATES SITE PLANNERS
MARCHANT AND MINGES ENGINEERS
ENGELHARDT, ENGELHARDT AND LEGGETT EDUCATIONAL CONSULTANTS

SENIOR HIGH SCHOOL

G R O T O N C O N N E C T I C U T

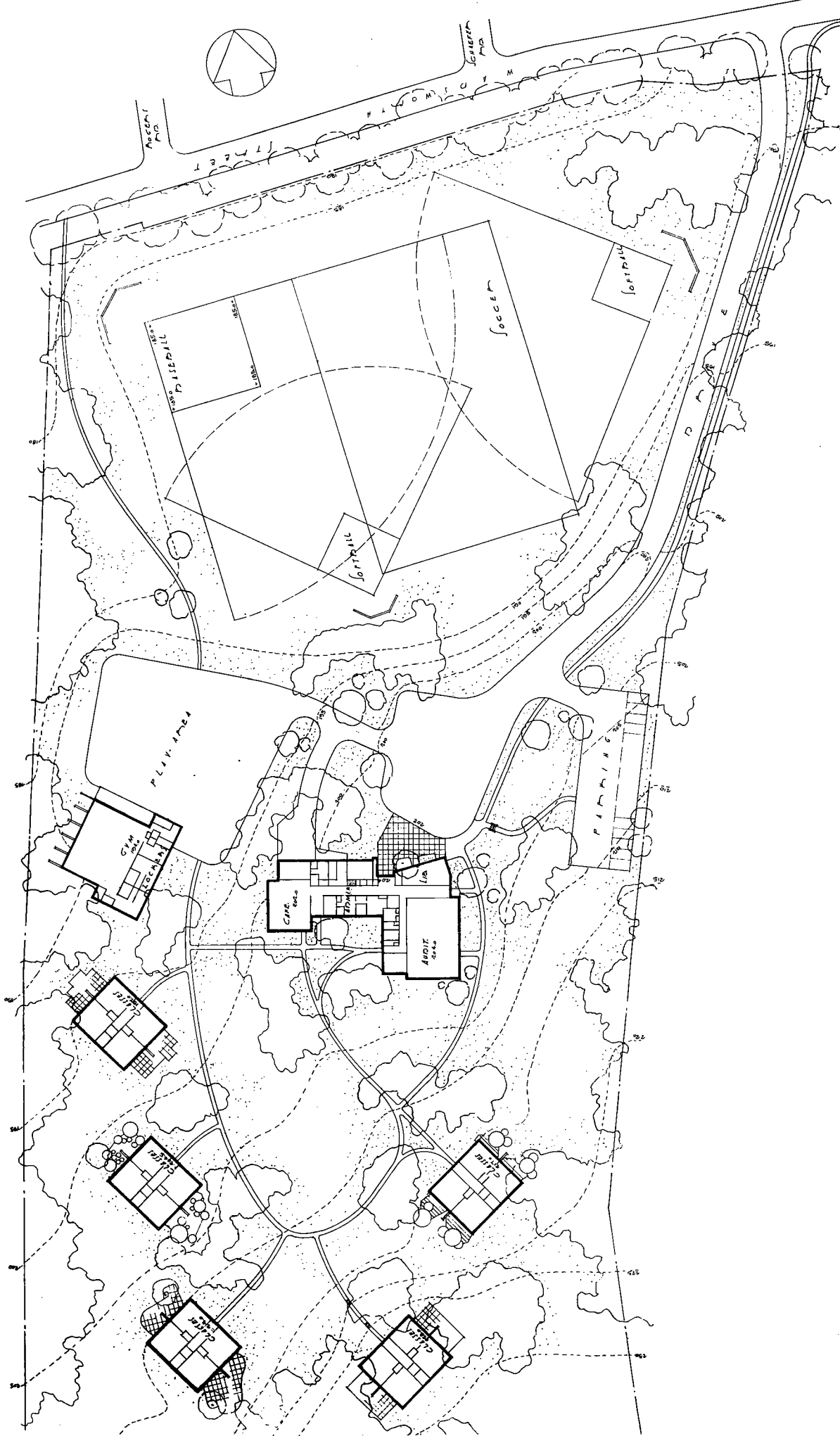
1. Dining area serves as student center both during school noon hours and at social functions. Also augments lobby for gymnasium and auditorium.
2. Dining area, gymnasium and auditorium arranged for maximum community use.
3. Classrooms and laboratory units designed for maximum economy.
4. Future increases in enrollment may be handled readily by adding inexpensive units.
5. Rigid departmentalized groupings have been avoided,
6. Deployment of classrooms and laboratories is such as to encourage fusion of subject matter. Complete flexibility of interior partitions makes possible adjustments in the physical establishment to meet needs of any degree of fusion in future years.
7. Circulation throughout school provides freedom of movement avoiding traditional regimentation. May require more time between class sessions -- but is this not desirable?
8. Central laboratory in each unit may be created as shown here for use of all class groups.

ENGELHARDT, ENGELHARDT & LEGGETT
EDUCATIONAL CONSULTANTS



WADSWORTH STREET ELEMENTARY SCHOOL, MIDDLETOWN, CONNECTICUT

WARREN H. ASHLEY WEST HARTFORD, CONNECTICUT ARCHITECT
CHARLES A. CURRIER AND ASSOCIATES SITE PLANNERS
MARCHANT AND MINGES ENGINEERS



SITE PLAN

**WADSWORTH STREET ELEMENTARY SCHOOL
MIDDLETOWN CONNECTICUT**

WARREN H. ASHLEY WEST HARTFORD, CONNECTICUT ARCHITECT
CHARLES A. CURRIER AND ASSOCIATES SITE PLANNERS
MARCHANT AND MINGES ENGINEERS

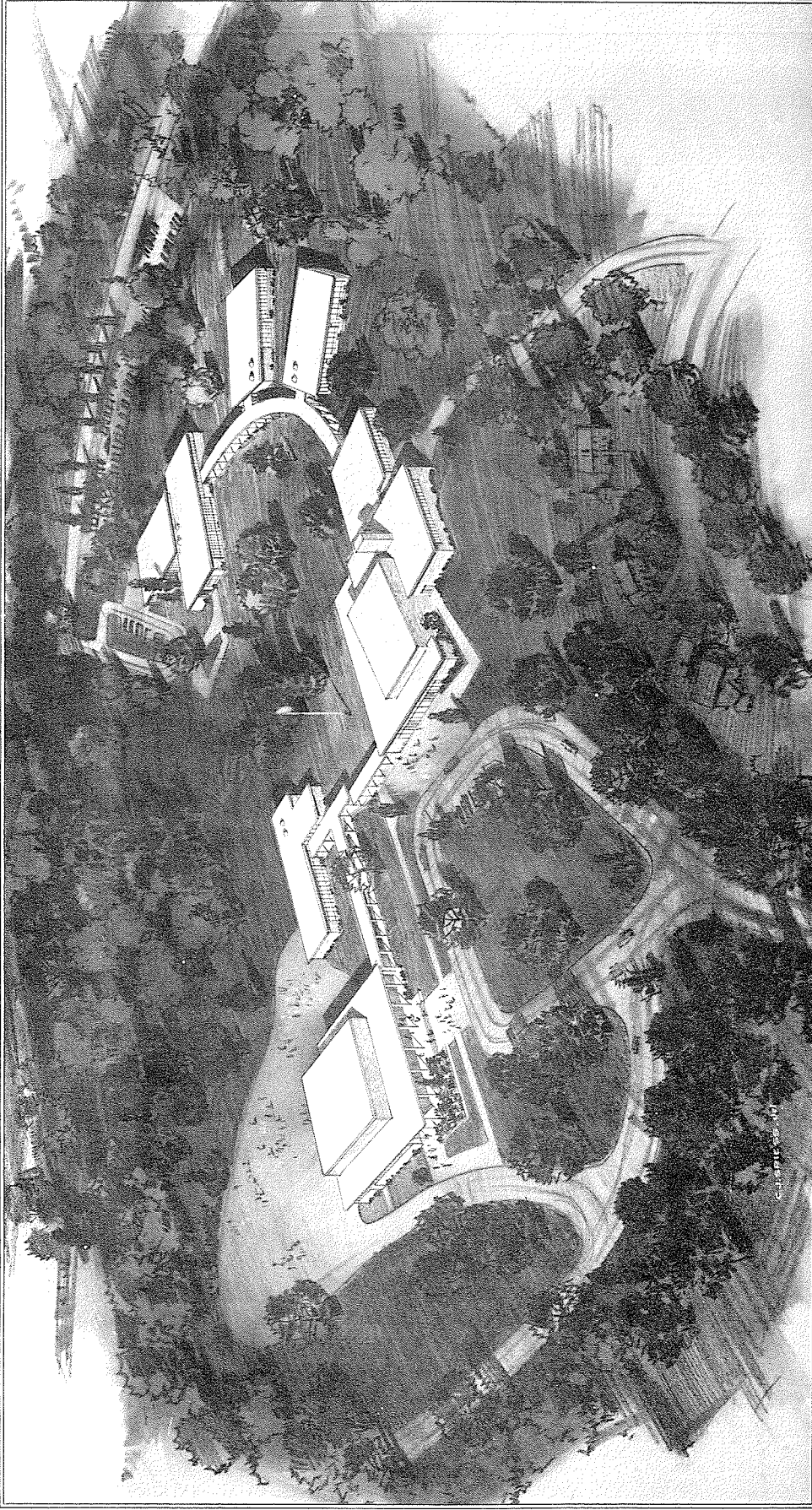
THE WADSWORTH STREET ELEMENTARY SCHOOL MIDDLETOWN, CONNECTICUT

CITIZENS, PARENTS, TEACHERS AND BUILDING COMMITTEE MEMBERS EXPRESSED A DESIRE FOR A TWENTY CLASSROOM ELEMENTARY SCHOOL THAT COULD

1. BE SET ON A SITE OF TWENTY-FIVE ACRES OF WHITE OAK TREES WITHOUT DESTROYING THE NATURAL BEAUTY OF THE TRACT.
2. FUNCTION AS AN EFFICIENT SCHOOL PLANT WITH THE ELEMENT OF "BIGNESS" REMOVED.
3. CONTAIN THE NECESSARY AUXILIARY EDUCATIONAL UNITS WITHOUT RESORTING TO COMBINATIONS FOR USAGE.
4. TRULY SERVE THE ADULT COMMUNITY.
5. BE INEXPENSIVELY EXPANDED FOR FUTURE INCREASES IN ENROLLMENT WITHOUT INTERFERING WITH THE PRESENT PLANT.

THE ARCHITECT HAS MET THE NEEDS OF MIDDLETOWN BY DESIGNING A CAMPUS TYPE ELEMENTARY SCHOOL WHICH WILL BE NESTLED BENEATH MAGNIFICENT TREES AND ON NATURAL CONTOUR OF THE GROUND. THE ORIGINAL BEAUTY OF THE WADSWORTH ESTATE WILL REMAIN UNIMPAIRED. EACH CLASSROOM UNIT WILL BE A NEIGHBORHOOD SCHOOL SCALED DOWN TO THE APPROPRIATE CHILD AGE GROUP THAT WILL OCCUPY IT. THE LIBRARY, CAFETERIA, AUDITORIUM AND GYMNASIUM WILL BE SO SET UP THAT THEY MAY BE USED INDEPENDENTLY OF THE REST OF THE SCHOOL. THE LIBRARY, IN ADDITION TO THE CHILDREN'S LIBRARY, WILL CONTAIN AN ADULT BRANCH LIBRARY OF THE PUBLIC LIBRARY. THE GYMNASIUM WILL CONTAIN SEPARATE LOCKERS AND SHOWERS FOR ADULT GROUPS. BOTH THE GYMNASIUM AND THE PLAYFIELDS WILL BE DEVELOPED IN COOPERATION WITH THE CITY PARK DEPARTMENT. INEXPENSIVE BASIC CLASSROOM UNITS MAY BE ADDED IF SCHOOL ENROLLMENTS CONTINUE TO INCREASE. THE CAMPUS TYPE SCHOOL MEETS THE NEEDS OF MIDDLETOWN BY PROVIDING MAXIMUM EDUCATIONAL FLEXIBILITY AT A VERY ECONOMICAL COST.

CREIGHTON F. MAGOUN
SUPERINTENDENT
MIDDLETOWN TOWN SCHOOLS



EDGEMONT JUNIOR--SENIOR HIGH SCHOOL, TOWN OF GREENBURGH, WESTCHESTER COUNTY, NEW YORK

WARREN H. ASHLEY

CHARLES A. CURRIER AND ASSOCIATES

MARCHANT AND MINGES

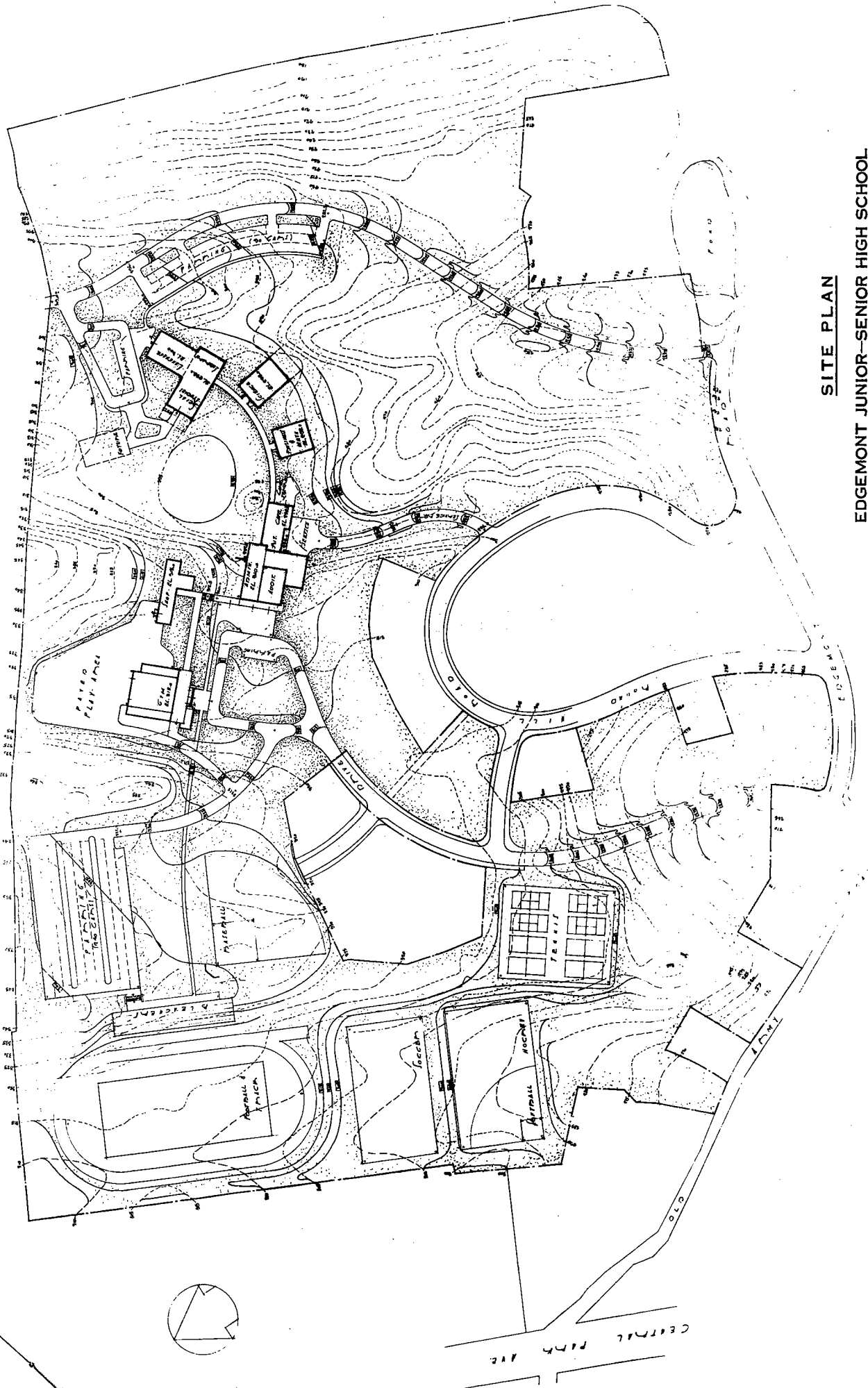
ENGELHARDT, ENGELHARDT AND LEGGETT

ARCHITECT

SITE PLANNERS

ENGINEERS

EDUCATIONAL CONSULTANTS



SITE PLAN

**EDGEMONT JUNIOR-SENIOR HIGH SCHOOL
TOWN OF GREENBURGH, WESTCHESTER COUNTY, NEW YORK**

WARREN H. ASHLEY WEST HARTFORD, CONNECTICUT ARCHITECT
CHARLES A. CURRIER AND ASSOCIATES SITE PLANNERS
MARCHANT AND MINGES ENGINEERS
ENGELHARDT, ENGELHARDT AND LEGGETT EDUCATIONAL CONSULTANTS

THE PLAN . . .

The educational planning provides for a Junior-Senior High School program in the following areas: English, Foreign Languages, Social Studies, Mathematics, Science, Music, Arts & Crafts, Homemaking, Industrial Arts, Driver Training, Typing, Outdoor Education, and Physical Education. It provides, further, for a health program, guidance, and library service. The educational program as developed in detail is available for study at the Edgemont School office.

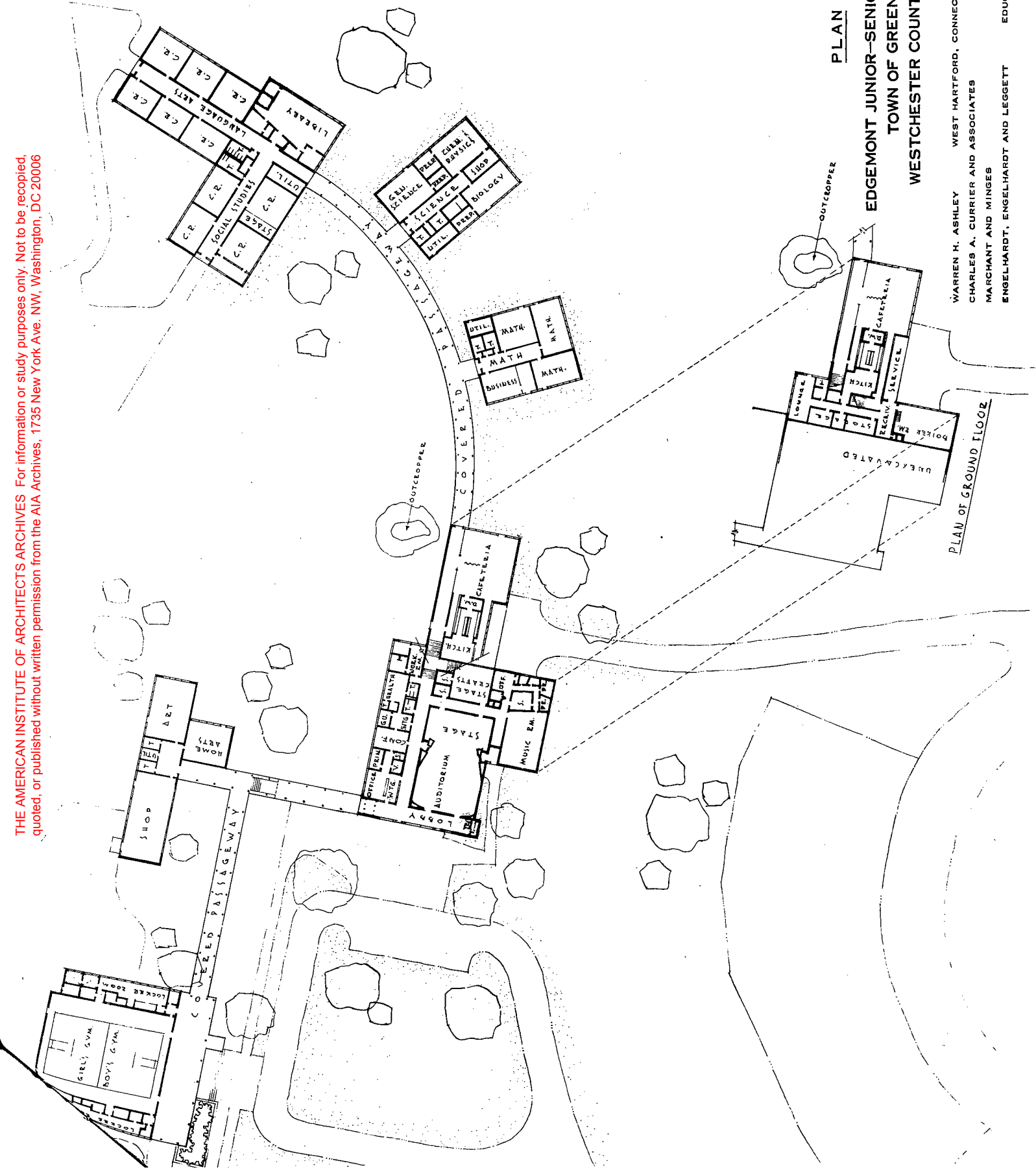
It is estimated that enrollment in the first year of full operation would be 436 with 23 teachers. This would provide a pupil-teacher ratio of 19.

The Board of Education has asked the architect to provide building plans which would include:

- 4 classrooms for Social Science
- 3 classrooms for English
- 1 Language-Arts laboratory
- 1 Journalism laboratory
- 2 rooms for other languages
- 1 Mathematics laboratory
- 2 rooms for Mathematics
- 1 Physics-Chemistry laboratory
- 2 General Science and Biology laboratories
- 1 laboratory for General Business Study
- 1 Arts and Crafts room
- 1 room for Homemaking Arts
- 1 room for Shop
- 1 all-purpose music room
- a library
- an assembly room
- a cafeteria
- a physical education building
- offices for student services, a health unit, guidance work and administrative staff.

The architects have recommended to the Board a unit, cluster or campus type of development to house this educational program. The Board of Education approved this type of building plan for the following reasons:

- a. Adaptability to a sound educational program.
- b. Economies in building.
- c. The best use of the attractive site already owned by the district.
- d. Future flexibility both as to program development and expansion.



PLAN

EDGEMONT JUNIOR-SENIOR HIGH SCHOOL
TOWN OF GREENBURGH,
WESTCHESTER COUNTY, NEW YORK

WARREN H. ASHLEY WEST HARTFORD, CONNECTICUT ARCHITECT
CHARLES A. CURRIER AND ASSOCIATES SITE PLANNERS
MARCHANT AND MINGES ENGINEERS
ENGELHARDT, ENGELHARDT AND LEGGETT EDUCATIONAL CONSULTANTS

THE COST . . .

The estimated budget for this project is as follows:

67,340 sq. ft. of building area at an estimated cost of \$18 per sq. ft. \$1,212,120.
11,760 sq. ft. of outside passageways at an estimated cost of \$5 per sq. ft. (It is estimated these may be glass enclosed for an additional \$30,000.) 58,800.
Other building costs 51,080.
Total Building Cost \$1,322,000.

Architects' and Engineers' fees 91,320.
Clerk of the Works 5,000.
Legal Services 9,000.
General Administrative Costs 1,000.
Site development including roads and walks 200,000.
Furniture and equipment 100,000.
Total Project Cost \$1,728,320.

With the curriculum as outlined and a building budget of \$1,750,000, the State Department of Education was asked to prepare an estimate of costs to the district for the next six years.

In the preparation of that budget, three items are of major importance. They are:

- a. The total assessed value of property in the district.
- b. The cost of the bonded indebtedness of the district.
- c. Costs of operating the school system, of which salaries for instructional services approximate 70 per cent.

During the past five years, the assessed value of property in the district has increased an average of \$480,000 per year. The increase from 1952 to 1953 was about \$715,000. The increase from 1953 to 1954 is already about \$580,000. In preparing the estimate of costs for the next six years, the assessed value of property was assumed to increase at the rate of \$450,000 per year.

The cost of the bonded indebtedness was estimated by adding to our present charges the cost of a \$1,750,000 bond issue for 29 years at an assumed rate of $3\frac{1}{2}\%$ interest. The exact interest rate will be determined by competitive bidding at the time the bonds are sold. Recent New York State school bonds have been sold at rates below $3\frac{1}{2}\%$.

All costs of operating the school system were based on past experience. The present teachers' salary schedule was used to calculate teachers' salaries in the future, giving due allowance for length of service in the school system, staff turnover, and the additional teachers required.

The administrative personnel would include a supervising principal, a high school principal, an elementary supervisor, and two guidance supervisors.

The tax rate, resulting from this estimate by the State Education Department, is:

\$24.40	for	1953-54
26.60	"	54-55
28.48	"	55-56
28.40	"	56-57
28.45	"	57-58
28.46	"	58-59

All details used in this estimate are available in the Edgemont School office and may be studied by any one who cares to do so.

COMMUNITY DISCUSSION MEETING

MONDAY, NOVEMBER 30th 8:00 P. M. EDGEMONT SCHOOL

VOTING DATE

MONDAY, DECEMBER 7th 8:00 P. M. EDGEMONT SCHOOL

Who can vote?

The following is a simplified statement of the qualifications necessary to vote on the bond issue, assuming that the meeting will be held on December 7th.

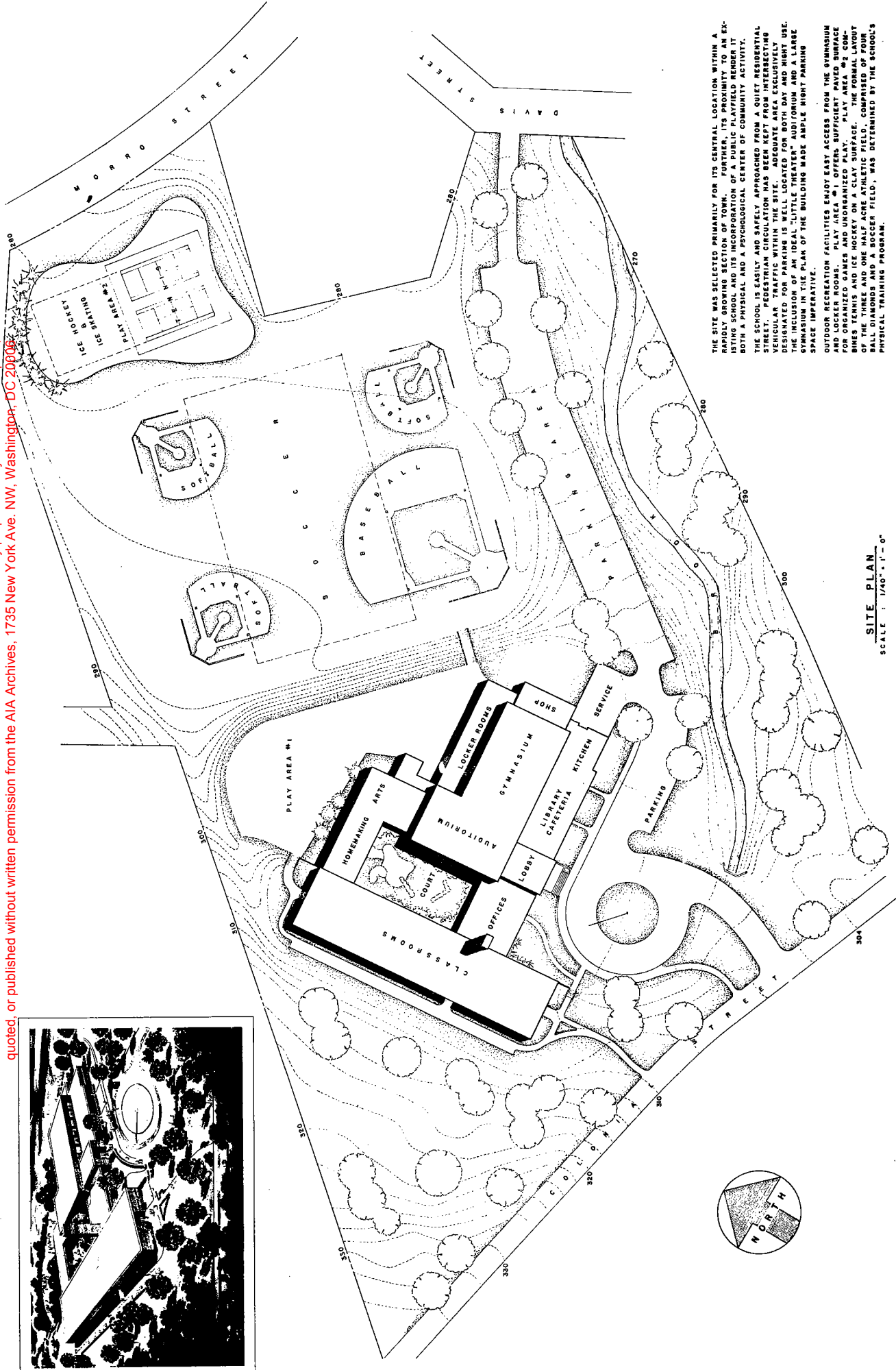
A citizen of the United States, of either sex, who is over twenty-one years of age, and who has resided within the district since November 8th, may vote on the bond issue provided he possesses either of the following qualifications: (a) owns, leases or hires real property in the district liable to taxation for school purposes (the State Department of Education construes this as including an apartment as well as a private home); or (b) is the parent of a child of school age who has attended the district school since October 13th.

If the house or apartment is owned or leased by both husband and wife, both may vote regardless of whether or not they have children in the school. If the house or apartment is owned or leased by either the husband or the wife, only the owner or lessee may vote by virtue of such fact, and the other parent may vote only if there is a child in the school. Other persons over twenty-one who reside in the house or apartment would have no right to vote.

WASHINGTON, D. C.

1953 DEC 14 AM 11:43

THE AMERICAN
INSTITUTE OF ARCHITECTS

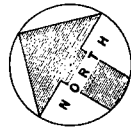


THE SITE WAS SELECTED PRIMARILY FOR ITS CENTRAL LOCATION WITHIN A RAPIDLY GROWING SECTION OF TOWN. FURTHER, ITS PROXIMITY TO AN EXISTING SCHOOL AND ITS INCORPORATION OF A PUBLIC PLAYFIELD RENDER IT BOTH A PHYSICAL AND A PSYCHOLOGICAL CENTER OF COMMUNITY ACTIVITY.

THE SCHOOL IS EASILY AND SAFELY APPROACHED FROM A QUIET RESIDENTIAL STREET. PEDESTRIAN CIRCULATION HAS BEEN KEPT FROM INTERSECTING VEHICULAR TRAFFIC WITHIN THE SITE. ADEQUATE AREA EXCLUSIVELY FOR THE USE OF THE SCHOOL BUS IS PROVIDED. THE PLAN ALSO INCLUDES THE INCLUSION OF AN IDEAL "LITTLE THEATER" AUDITORIUM AND A LARGE GYMNASIUM IN THE PLAN OF THE BUILDING MADE AMPLE NIGHT PARKING SPACE IMPERATIVE.

OUTDOOR RECREATION FACILITIES ENJOY EASY ACCESS FROM THE GYMNASIUM AND LOCKER ROOMS. PLAY AREA #1 OFFERS SUFFICIENT PAVED SURFACE FOR ORGANIZED GAMES AND UNORGANIZED PLAY. PLAY AREA #2 COMBINES TENNIS AND ICE HOCKEY ON A CLAY SURFACE. THE FORMAL LAYOUT OF THE THREE AND ONE HALF ACRE ATHLETIC FIELD, COMPRISED OF FOUR HALL DIAMETER AND SOCCER FIELD, WAS DETERMINED BY THE SCHOOL'S PHYSICAL TRAINING PROGRAM.

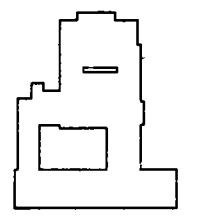
SITE PLAN
SCALE: 1/400" = 1'-0"

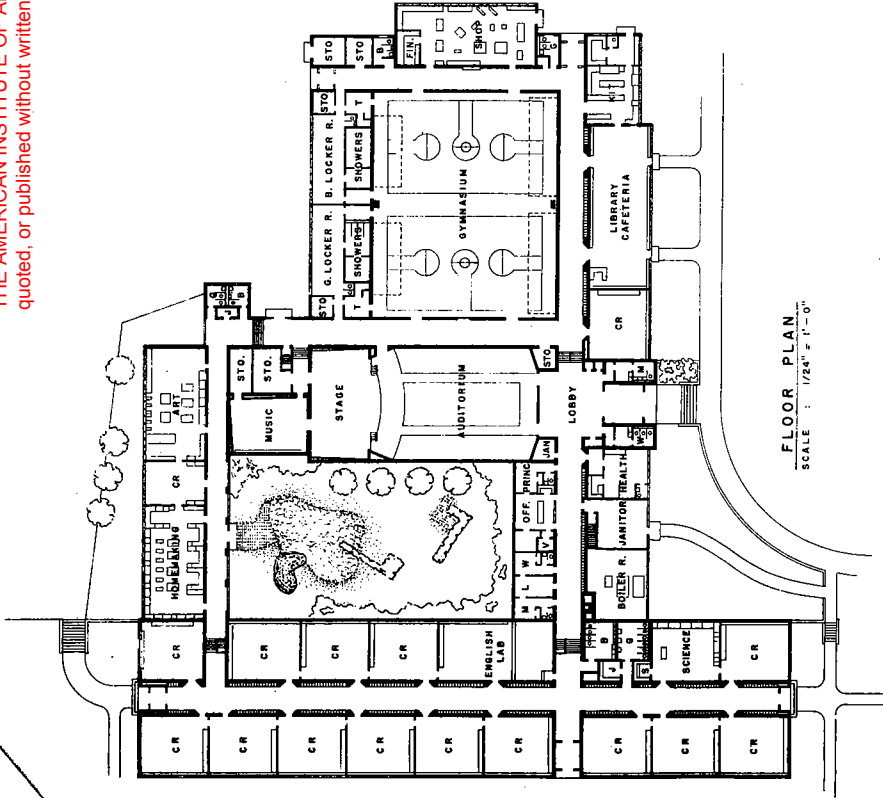


GORDON C. SWIFT JUNIOR HIGH SCHOOL WATERTOWN CONNECTICUT

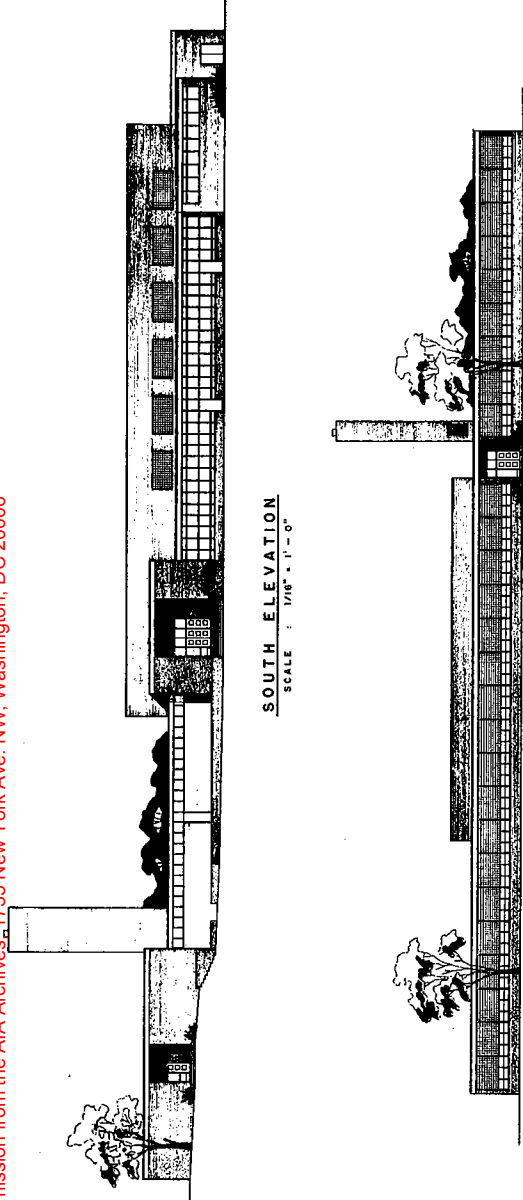
WARREN H. ASHLEY
CHARLES A. CURRIER & ASSOCIATES
MARCHANT & MINGES

ARCHITECT
SITE PLANNERS
ENGINEERS

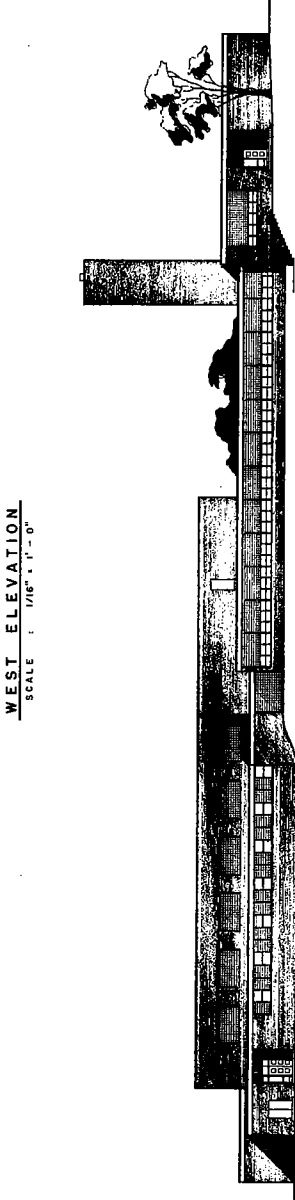




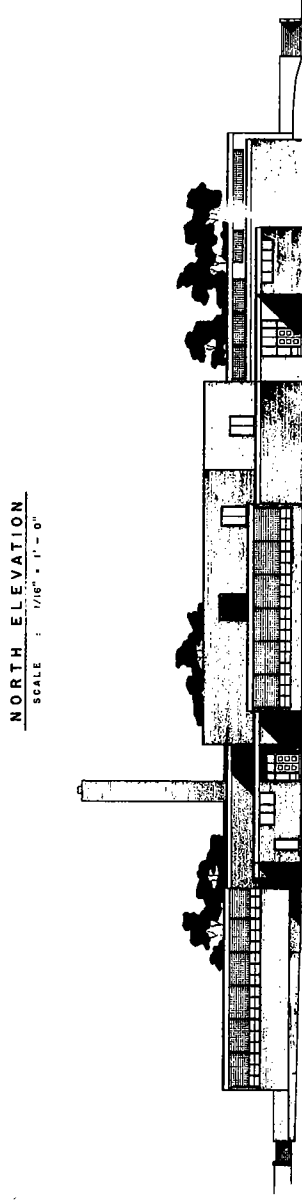
FLOOR PLAN
SCALE : 1/8" = 1'-0"



SOUTH ELEVATION
SCALE : 1/16" = 1'-0"



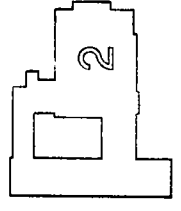
WEST ELEVATION
SCALE : 1/16" = 1'-0"



NORTH ELEVATION
SCALE : 1/16" = 1'-0"



EAST ELEVATION
SCALE : 1/16" = 1'-0"



THE PROBLEM OF DESIGNING A SCHOOL TO ACCOMMODATE SIX HUNDRED AND FORTY STUDENTS AND SERVE FOR GENERAL COMMUNITY USE THE YEAR ROUND IS A COMPLEX AND VERY TECHNICAL ONE.

AS IT WAS NECESSARY FOR THE BUILDING TO SERVE A DUAL PURPOSE, IT WAS DECIDED TO DESIGN THE PLANT IN TWO SECTIONS. CLASSROOMS ARE IN ONE WING. MUSIC, CLAPNET, GYMNASIUM, AUDITORIUM, SHOWERS, CAFETERIA, LOCKER ROOMS, AND STAGE ARE IN THE OTHER WING. THIS ARRANGEMENT PERMITS EACH WING TO BE KEPT INDEPENDENTLY. OPERATING COSTS WILL BE KEPT AT A MINIMUM, SINCE IT WILL NOT BE NECESSARY TO HEAT OR SUPERVISE THE CLASSROOM AREA WHILE THE GYMNASIUM OR AUDITORIUM IS IN USE, AND ALSO THE STAGE AND LOCKER ROOMS CAN BE KEPT SEPARATELY DETACHED FROM THE STUDY AND INSTRUCTION SECTIONS.

ALL SPACES IN THE ENTIRE PLANT HAVE BEEN DESIGNED SO THAT THEY HAVE THE BEST LIGHTING, HEATING, AND

VENTILATING AND ACOUSTICAL TREATMENT THAT MODERN MATERIALS, EQUIPMENT AND KNOWLEDGE CAN YIELD. ACOUSTICAL MATERIAL WAS APPLIED TO THE UPPER PORTIONS OF WALLS AND THE PERIMETER OF CEILINGS IN THE CLASSROOMS WITH A PLAIN TILE PANEL IN THE CEILING BUT CONTROLLED IN THE GYMNASIUM AND AUDITORIUM BY THE USE OF SPLAYED WALLS AND THE GYMNASIUM HAS ACOUSTICAL TILE APPLIED TO THE UPPER PORTIONS OF ITS WALLS ONLY.

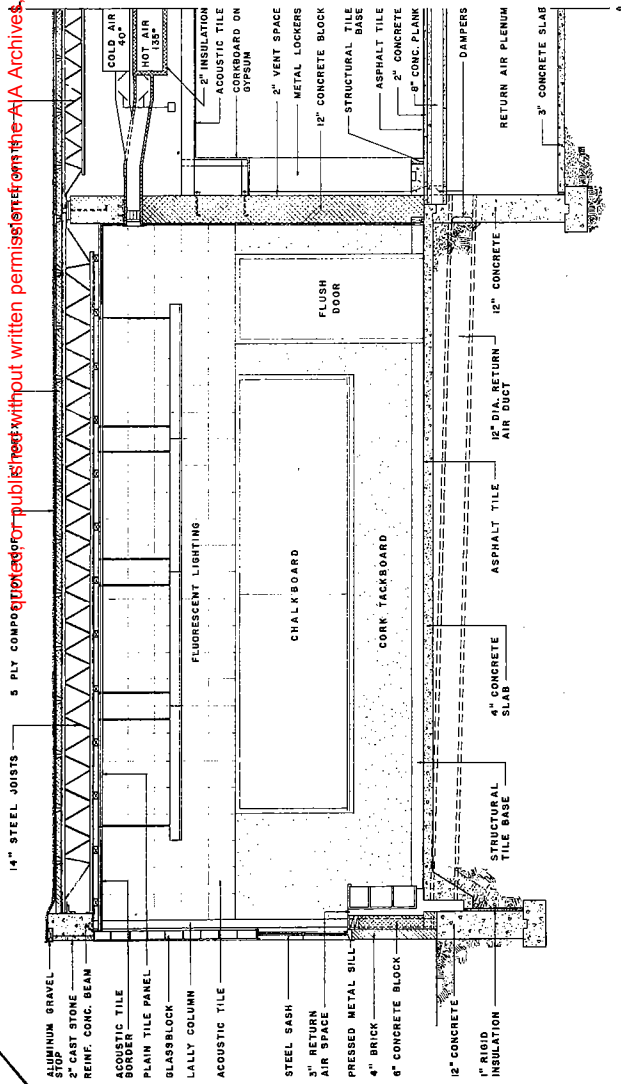
ANOTHER SIGNIFICANT FEATURE OF THE BUILDING AND ONE OF GREAT IMPORTANCE IS THE UNIT COST. THE CONTRACT COST FOR THE BUILDING WAS FOURTEEN DOLLARS AND SIXTY CENTS PER SQ. FT. WHICH GIVES THIS SCHOOL THE DISTINCTION OF HAVING THE LOWEST UNIT COST OF ANY JUNIOR HIGH SCHOOL IN THE STATE OF CONNECTICUT.

THE FINISHED PLANT IS ONE WHICH WILL ALLOW FOR MAXIMUM USE OF FACILITIES AND EQUIPMENT AT A MINIMUM OF EXPENSE.

GORDON C. SWIFT JUNIOR HIGH SCHOOL WATERTOWN CONNECTICUT

WARREN H. ASHLEY
CHARLES A. CURRIER & ASSOCIATES
MARCHANT & MINGES

ARCHITECT
SITE PLANNERS
ENGINEERS



TYPICAL CLASSROOM SECTION
SCALE: 1/2" = 1'-0"

HEATING AND VENTILATING

A FORCED WARM AIR HEATING SYSTEM USING CENTRAL FAN ROOMS, "HOT" AND "COLD" DUCT SUPPLIES AND UNDER FLOOR RETURNS WAS INCORPORATED IN THE CLASSROOM AREA. THE USE OF THIS TYPE OF SYSTEM RESULTED IN INITIAL ECONOMY OVER THE USE OF ANY OF THE MORE CONVENTIONAL TYPES OF HEATING SYSTEMS PREVALENT IN THE AREA.

EVERY CLASSROOM IS SUPPLIED WITH A CONSTANT VOLUME OF TOTALLY FRESH, FILTERED AIR. THE "HOT" AND "COLD" DUCTS, ARE METEORICALLY OPERATED BY A SMALL PNEUMATIC PISTON CONTROLLED BY THE INDIVIDUAL ROOM THERMOSTATS. IT IS THUS POSSIBLE TO OBTAIN ANY DESIRED MIXTURE OF WARM AND COOL AIR. THIS BLENDED AIR ENTERS THE CLASSROOMS THROUGH REGISTERS HIGH ON THE CORRIDOR WALLS AND IS DIFFUSED TO THE SIDES TO ESTABLISH UNIFORM DISTRIBUTION THROUGHOUT THE ROOMS. MANUALLY-SET CONTROLS ARE PROVIDED FOR EACH TYPICAL CLASSROOM.

CONTINUOUS SLOT OPENINGS ARE PROVIDED BEHIND THE BUILT-IN BOOKCASES ALONG THE WINDOW WALL THROUGH WHICH AIR IS EXHAUSTED FROM EACH ROOM. EXHAUST AIR IS DRAWN THROUGH THESE SLOTS INTO THE PLENUM EITHER THROUGH CELLULAR CONCRETE FLOOR PLANK OR CIRCULAR DUCTS BURIED IN THE CONCRETE FLOOR. THE CORRIDOR LOCKERS ARE EXHAUSTED THROUGH A 2" AIR SPACE BEHIND THEM WHICH IS CONNECTED TO THE PLENUM BELOW BY A SHEET METAL BODY FOR EACH BANK OF LOCKERS. A SIMPLE ARRANGEMENT OF SHEET METAL DAMPERS IN THE PLENUM BALANCES THE RETURN AIR FLOW. THE CONTINUOUS SLOT AT THE WINDOW WALL PROVIDES A MEANS OF IMMEDIATELY EXHAUSTING THE DOWNY DRAFTS OF COLD AIR WHICH IN THE WINTER MONTHS IS NOT NECESSARY AND STUDENTS ARE NOT SUBJECT TO DRAFTS.

THE ABOVE SYSTEM AS DESCRIBED, IS USED FOR THE MAIN CLASSROOM WING. THERE ARE ALSO RETURNS IN THE LOBBY AND AUDITORIUM. IN THE LOBBY VARIATION IS THE USE OF A RETURN AIR DUCT RATHER THAN A PLENUM CHAMBER. ANOTHER IS THE MIXING OF THE WARM AND COOL AIR AT PLENUMS IN THE FAN ROOM RATHER THAN BY TAKE-OFFS FROM THE "HOT" AND "COLD" DUCTS. IN THIS CASE THE MIXING DAMPERS ARE LOCATED AT THE PLENUMS AND INDIVIDUAL DUCTS SUPPLY EACH ROOM WITH AIR AT THE CORRECT TEMPERATURE TO SATISFY THE INDIVIDUAL ROOM THERMOSTATS.

LIGHTING

CLASSROOM LIGHTING IS SUPPLIED BY LOW BRIGHTNESS FLUORESCENT UNITS WITHOUT LOUVERS. VERTICAL SURFACE LIGHTING UNITS ARE INSTALLED IN CORRIDOR CEILINGS TO ILLUMINATE BULLETIN BOARDS AND IN THE LOBBY TO LIGHT UP THE MURAL OVER THE AUDITORIUM DOOR. IN THE AUDITORIUM LIGHTING IS PROVIDED BY SPOT LIGHTS. SPOT LIGHTS ARE INSTALLED INSTEAD OF CONVENTIONAL FOOT LIGHTS, ALSO SWIVEL TYPE BORDER LIGHTS WHICH CAN BE ADJUSTED TO ANY ANGLE ARE INSTALLED IN THE STAGE CEILING INSTEAD OF TROUGH TYPE BORDER STRIPS.

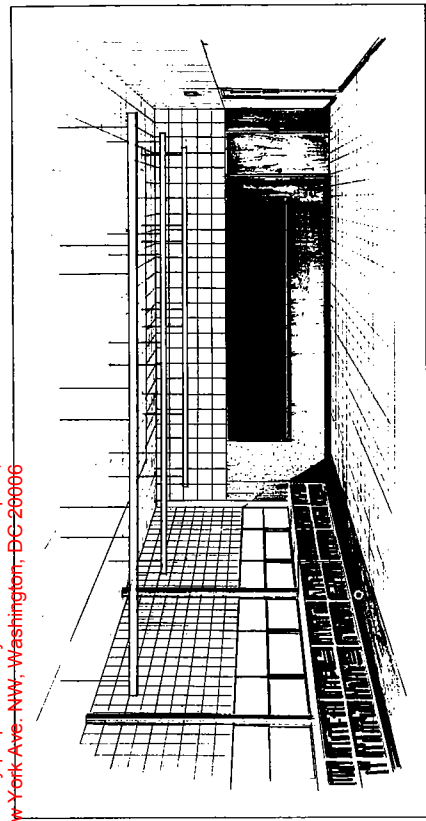
IN THE LOBBY AND AUDITORIUM THERE ARE TWO SYSTEMS OF HIGH VOLTAGE COLD CATHODE FLUORESCENT COVE LIGHTING WITH TUBES BENT TO FIT CORNERS AND IRREGULAR CONTOURS OF THE CEILINGS.

STRUCTURE

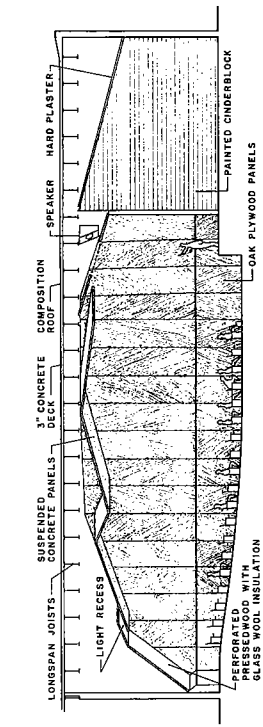
IN GENERAL THE STRUCTURE IS WALL BEARING WITH THE EXCEPTION OF THE WINDOW WALLS.

AN INTERESTING FEATURE OF THE FRAMING IS THE USE OF REINFORCED CONCRETE BEAMS PROVIDED IN THE CONCRETE BEAMS TO RECEIVE OPEN WEB STEEL JOISTS USED FOR ROOF CONSTRUCTION. USE OF THE CONCRETE SPANDREL BEAM PROVIDED ECONOMY THROUGH ELIMINATION OF EXPENSIVE OVERHANG CONSTRUCTION. LESS THAN TWENTY-FIVE TONS OF STRUCTURAL STEEL WERE USED IN THE DESIGN OF THE STRUCTURE, PRIMARILY DUE TO THE USE OF PRECAST CELLULAR CONCRETE IN THE FLOOR AND ROOF. THIS WAS OF CONSIDERABLE IMPORTANCE IN RECEIVING GOVERNMENT APPROVAL TO BUILD AT A TIME WHEN THE "STRUCTURAL STEEL" SHORTAGE WAS MOST CRITICAL.

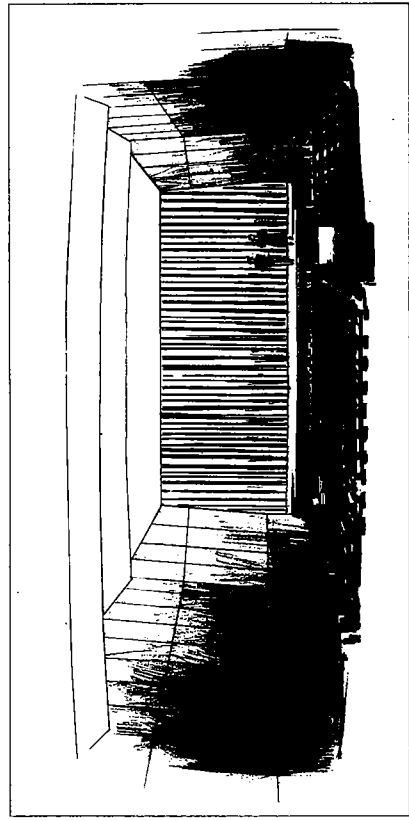
ANOTHER INTERESTING FEATURE IS THE USE OF PRECAST CELLULAR CONCRETE PLANK. IT WAS USED IN ALL CORRIDOR FLOOR SPANNING PLENUMS AND IN ALL FLOOR CONSTRUCTION LOCATED ABOVE GRADE. IN THE CLASSROOMS WHERE THE PLANK WAS USED IT SPANNED TWENTY-SIX FEET AND ITS CORES SERVED AS RETURN AIR DUCTS FOR THE WARM AIR HEATING SYSTEM. IN ALL CASES THE CONCRETE PLANK WAS COVERED WITH A TWO INCH TOP-PLNG REINFORCED WITH 6 X 6 - 10/16 WIRE MESH.



TYPICAL CLASSROOM



AUDITORIUM SECTION
SCALE: 1/8" = 1'-0"

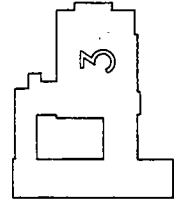


AUDITORIUM

GORDON C. SWIFT JUNIOR HIGH SCHOOL
WATERTOWN CONNECTICUT

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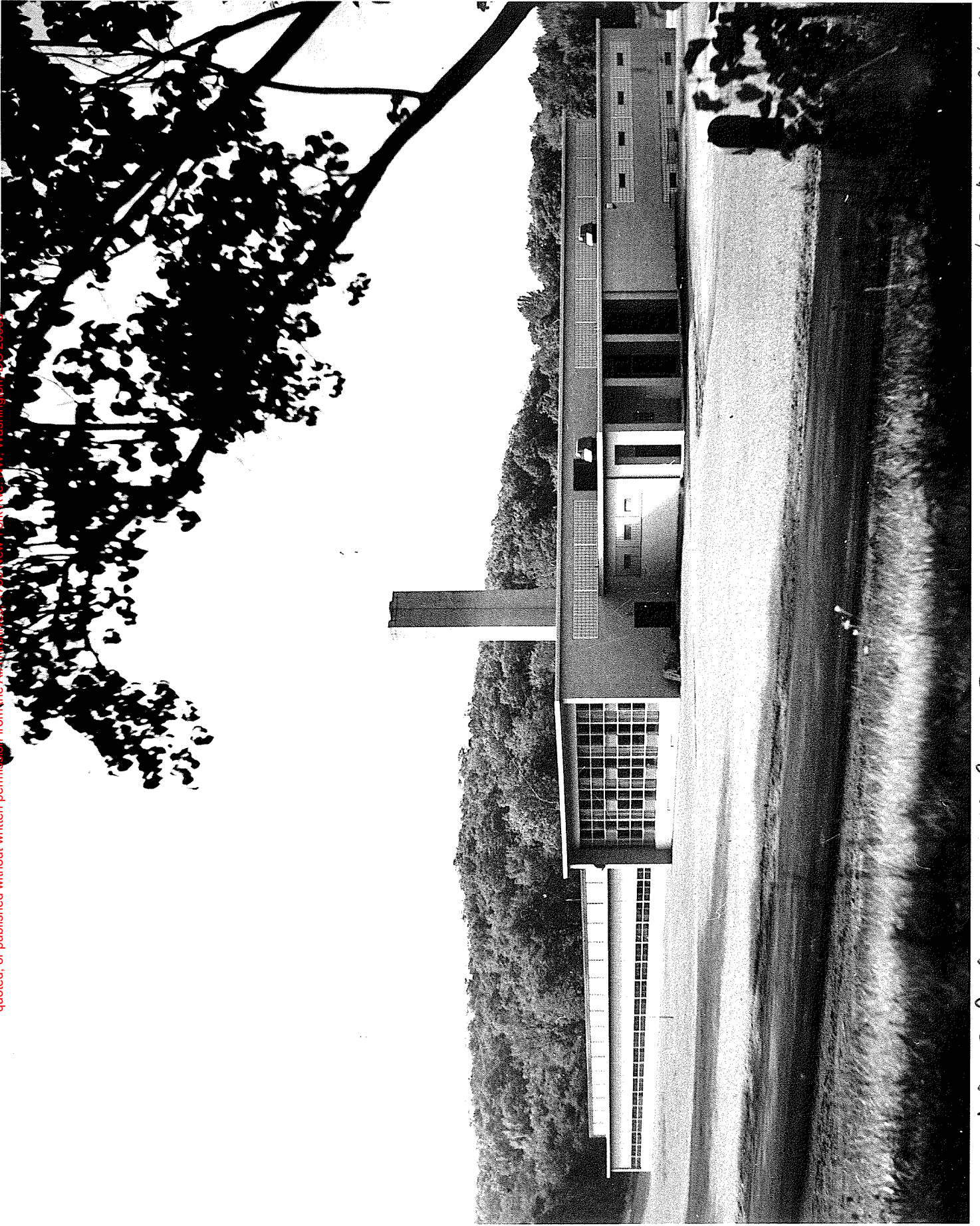
ADVANTAGES OF HOT-COLD DUCT HEATING

AND

VENTILATING SYSTEM FOR SCHOOLS

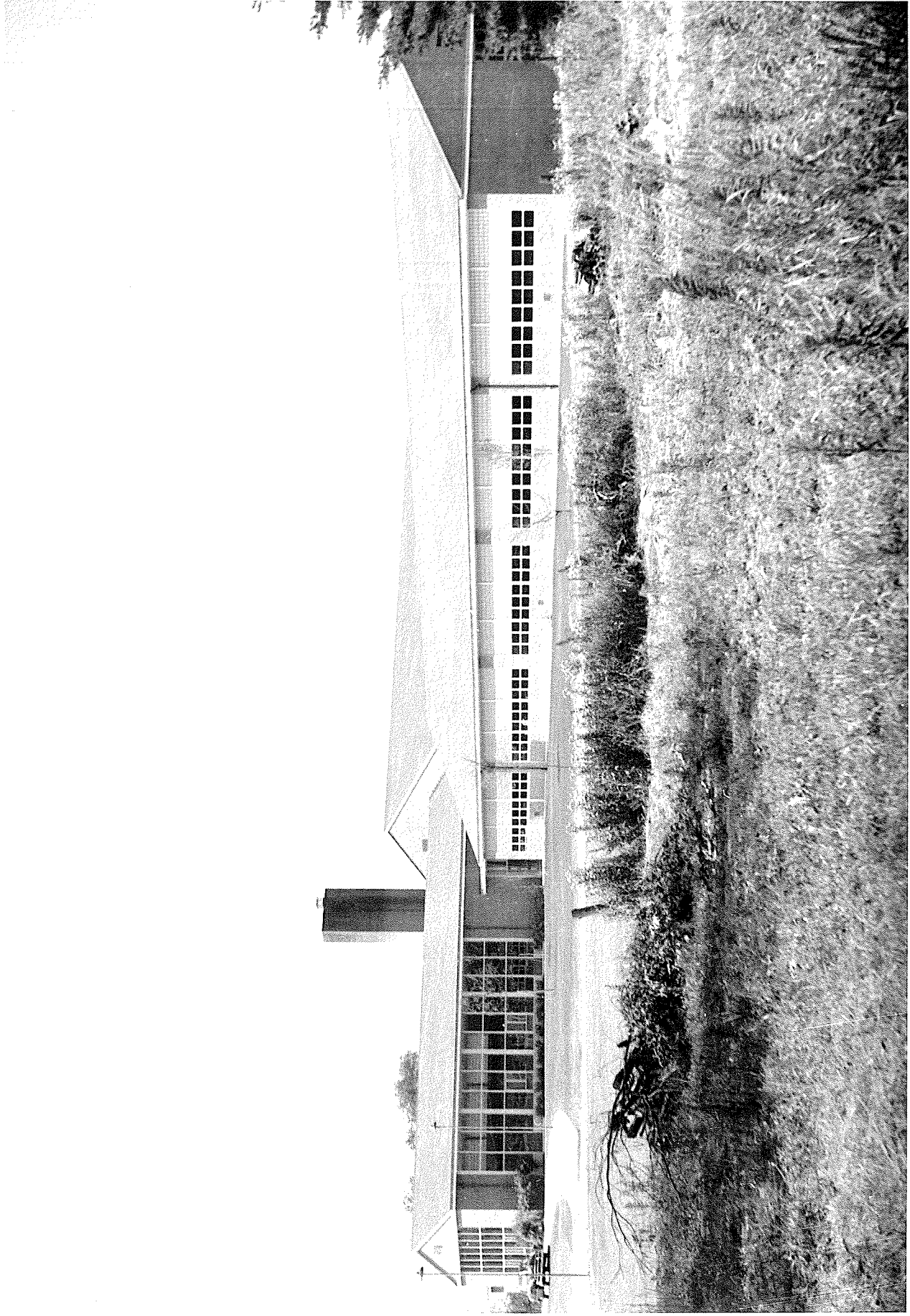
- ELIMINATES LONG RUNS OF STEAM PIPING, RADIATORS, VALVES, TRAPS, ETC., AS USED IN CONVENTIONAL SYSTEM
- ELIMINATES EXPENSIVE PERIMETER PIPE TUNNELS AS REQUIRED IN CONVENTIONAL SYSTEM
- ELIMINATES DRAFTS AT THEIR SOURCE FORMED BY COLD AIR DROPPING FROM LARGE WINDOW AREAS BY EX-HAUSTING INTO CONTINUOUS AIR SLOT
- SAVES VALUABLE FLOOR SPACE - NOMINAL SPACE NEEDED FOR RETURN AIR SLOT - NO RADIATORS REQUIRED - INVISIBILITY OF HEATING EQUIPMENT
- COMFORT CONTROL - CONTINUOUS, QUIET AIR SUPPLY WITH SUFFICIENT VELOCITY TO INDUCE A HIGH SECONDARY TO PRIMARY AIR RATIO
- INDIVIDUAL ROOM CONTROL TO INSTANTANEOUSLY VARY TEMPERATURE OF AIR TO TAKE CARE OF TRANSMISSION, SUN, LIGHTS, PUPIL, HEATING AND COOLING LOADS
- ALL AIR FILTERED WHICH REDUCES CLEANING AND PAINTING REQUIREMENTS
- UNIFORM ROOM TEMPERATURE WITH PROPER VENTILATION REQUIREMENTS
- NO PIPING IN CLASSROOMS TO LEAK, CORRODE OR FREEZE
- RETURN AIR IN FLOOR AND AT WINDOW SLOT INSURES WARM FLOOR
- LESS MAINTENANCE REQUIRED - EQUIPMENT CONCENTRATED IN EASILY ACCESSIBLE CENTRAL FAN ROOMS
- AIR RECIRCULATION WITH ACTIVATED CARBON FILTERS AND EXHAUSTING OF COLDEST AIR IN ROOM PROVIDES ECONOMICAL OPERATION
- LOWER INITIAL COST OF INSTALLATION

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Memorial School Middlebury Conn

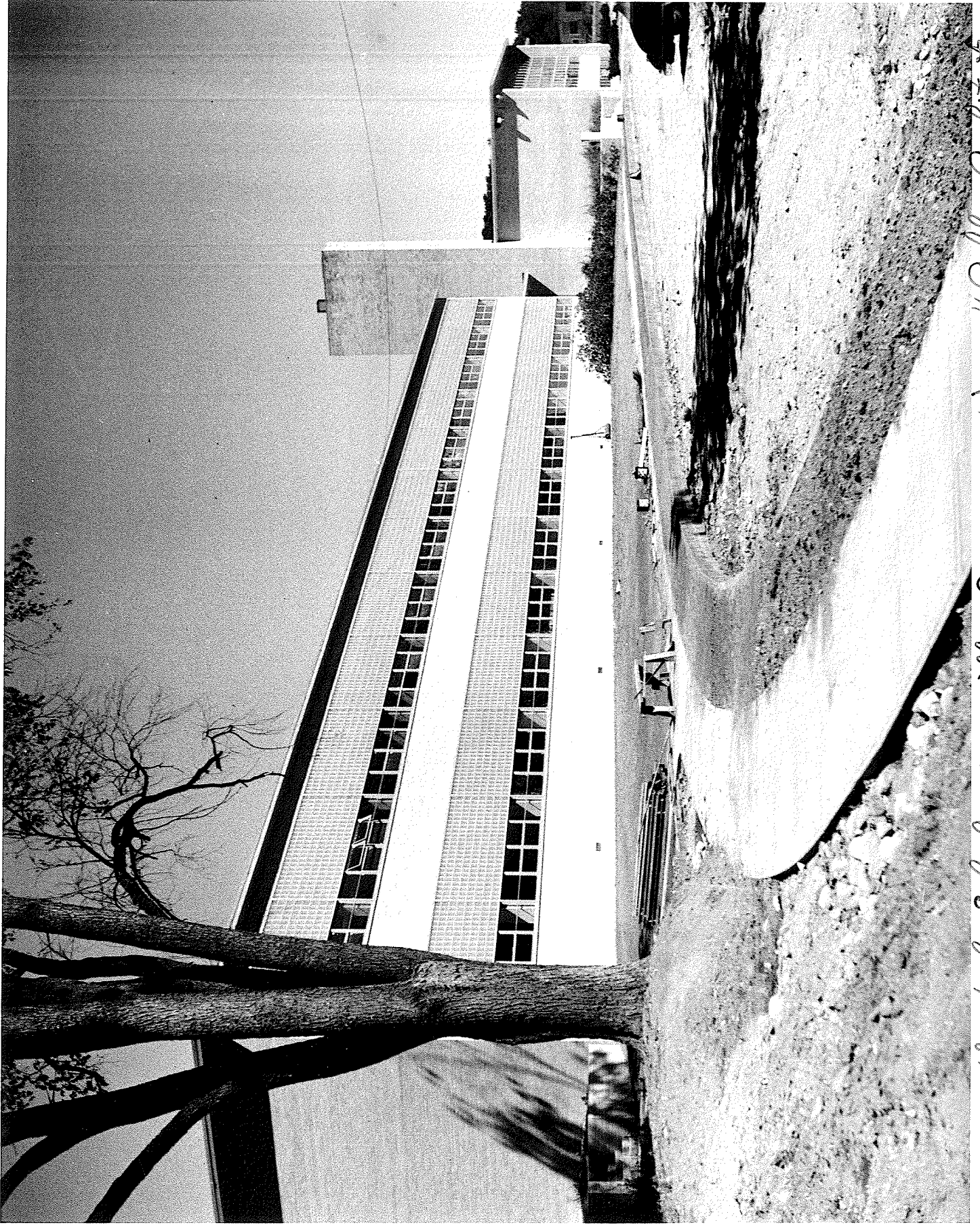
Warren H. Ashley Architect



Junior Senior High School, Cheever Course.

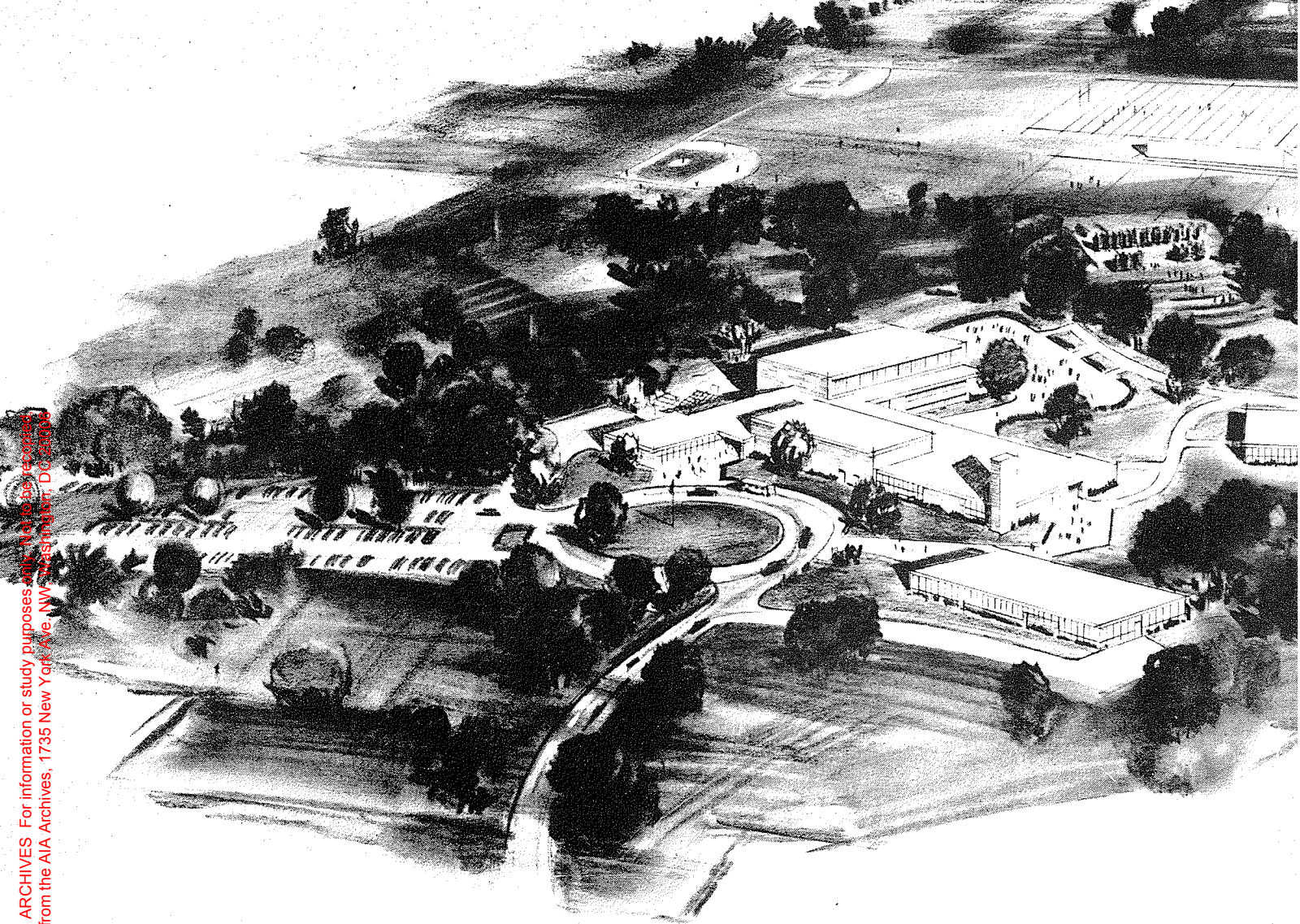
Wares H. Oakley Architect

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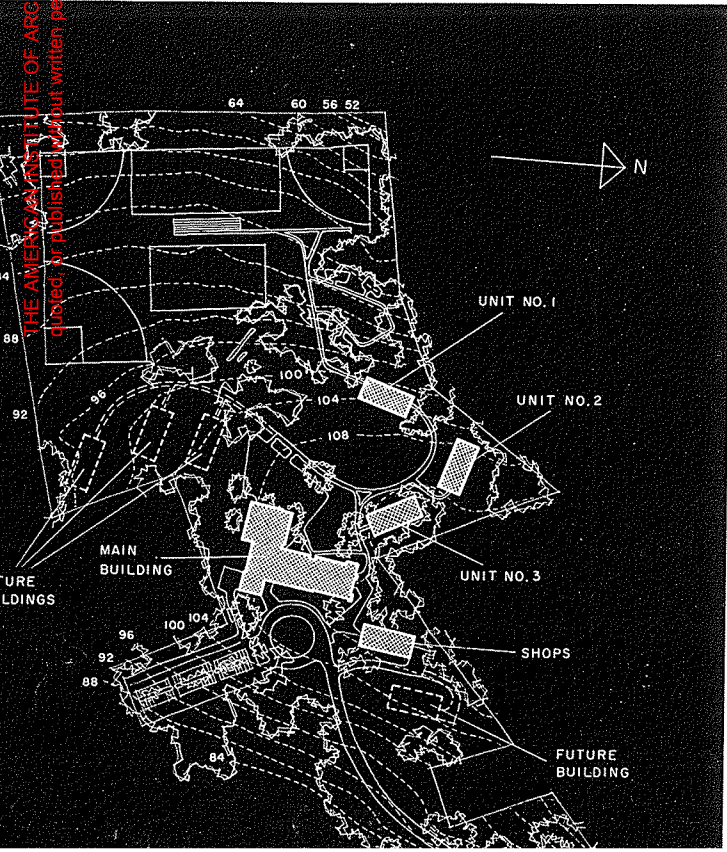


Plymouth High School Terryville Conn. Warren H. Gehley Architect

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In Groton, Conn., cluster planning breaks



SENIOR HIGH SCHOOL

Groton, Conn. ▲ 26 classrooms, 650 students.

ECONOMIES

Dispersal using existing contours (\$75,000 to \$100,000 saved). ▲ Few corridors. ▲ 83% of gross area for educational use. ▲ Repetition of classroom "houses" (all variety achieved with interior partitioning). ▲ "Double-duct" air system eliminating steam pipe tunnels (\$18,000 saved). ▲ Light troffers for luminous panel ceiling cast in roof slab (\$3,200 saved). ▲ Painted slab for finished ceiling (\$10,000 saved); acoustic treatment on walls. ▲ Loose-weave curtains for window light control.

COST ESTIMATE

\$823,000. ▲ Per sq. ft.: \$14, main building; \$11, classroom units; \$19.65, shops; \$10.00, future buildings.

CONSTRUCTION

Slab on grade. ▲ Reinforced concrete structure integrating air heat ducts and luminous panel lighting. ▲ Glass walls with aluminum sash. ▲ Brick and cinder block walls. ▲ Lally columns and rigid steel frame in gymnasium.

FEATURES

Classrooms are outlying elements, special rooms are central (instead of usual reverse). ▲ Cafeteria equals "town common," doubles as gallery, informal meeting place, equates eating with sociability, leisure. ▲ Classrooms grouped according to pupil use, not departmentalized by subject.

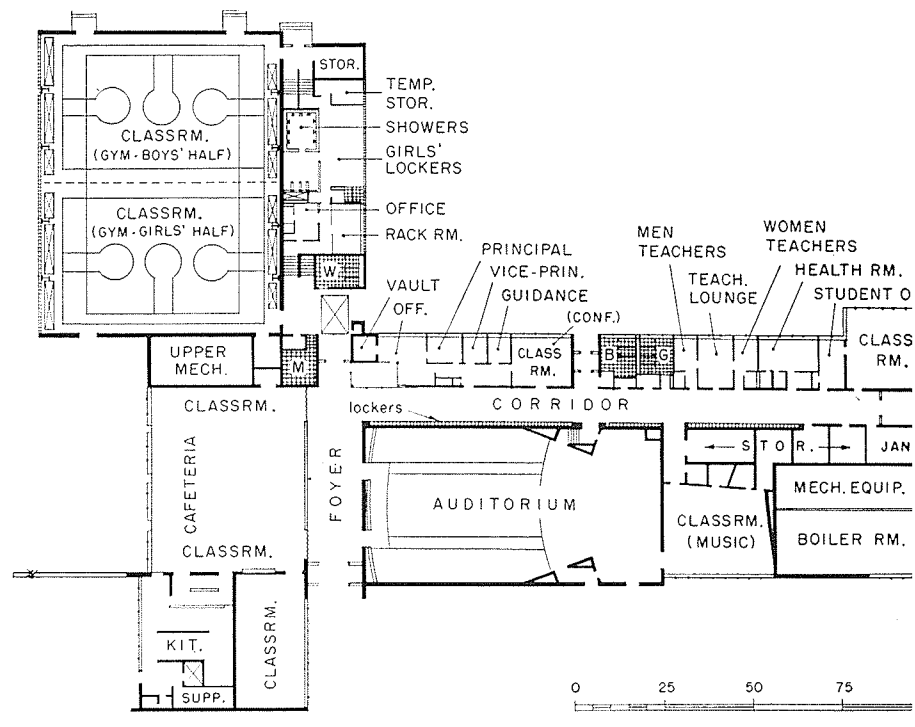
CREDITS

Warren H. Ashley, architect. Marchant & Minges, engineers.

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Campus plan for senior high school has classroom units of identical size and construction, varied by interior partitions. Rendering shows main building and four "learning units" to be built in first stage; plot plan shows eventual addition of four more units. Eliminating most corridors gives an astonishingly high (83%) proportion of total area for educational use.



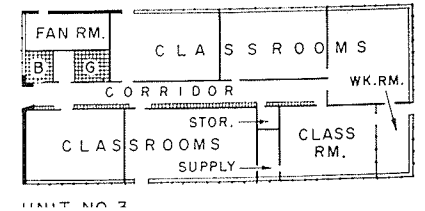
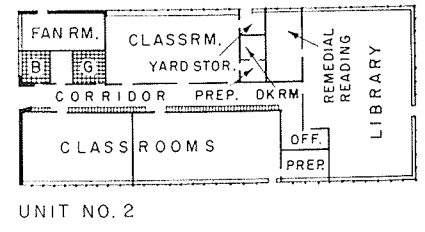
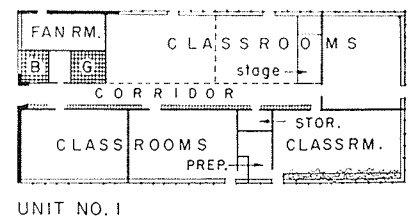
a senior high into 150-student neighborhoods,

creates a hedge against obsolescence

The educational revolution that began transforming elementary schools 20 years ago has never been followed up in the high schools. Educational Consultants Engelhardt, Engelhardt & Leggett suspect it will be. They fear that most of the plants to go up in the coming high school building boom will feel like so many strait jackets in another two decades.

Clusters at Groton's senior high are calculated to avoid such educational obsolescence, come what may. The Engelhardts and Architect Ashley think they will accommodate gracefully any kind of setup—orthodox classes in amiable isolation one from another or thoroughgoing "core curriculum" (projects integrating various subject matters); lone teachers or teacher-teams; or any mixture of methods. In any case, they like the idea of breaking the bewildering and amorphous senior high mass into 150-student "neighborhoods" related to a "community center." As enrollment grows, more "neighborhood units" will simply be added at a cost of about \$80,000 each.

Ashley reports that, equipped and ready to operate, the school will cost about \$120,000 less than any other Connecticut high



CASE STUDY SCHOOLS CLUSTER PLAN IN GROTON, CONN.

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