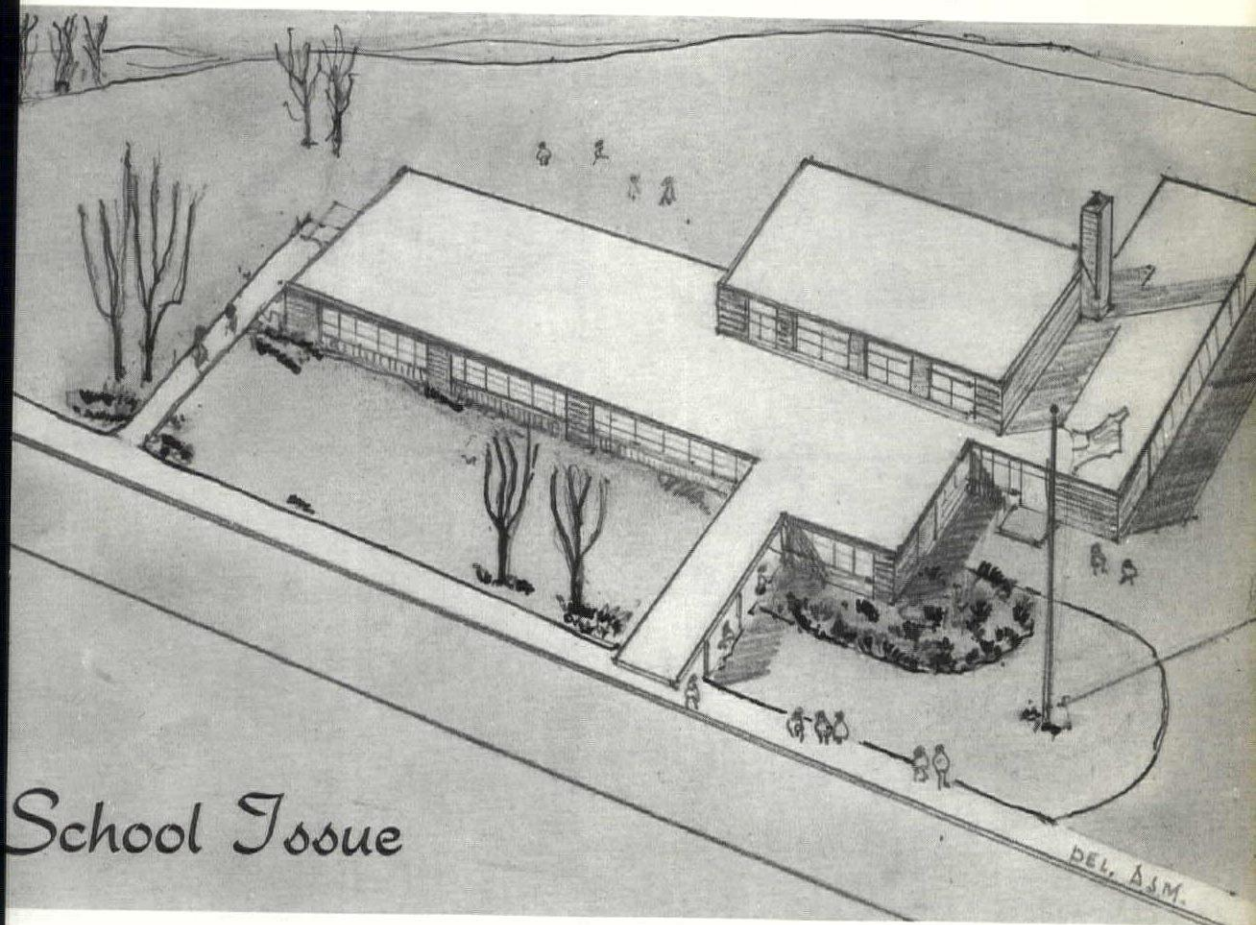


New Hampshire **ARCHITECT**

NOV 26 1957

LIBRARY



School Issue

OFFICIAL PUBLICATION

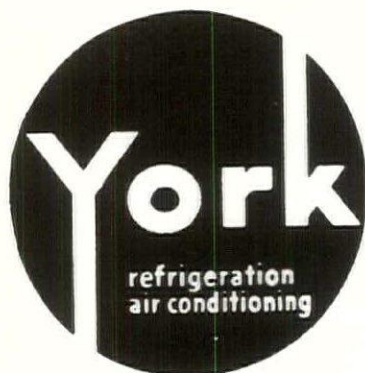
New Hampshire Chapter of the American Institute of Architects



NOVEMBER
1957

20c A COPY
\$2.00 A YEAR

AIR CONDITIONING
Residential - Commercial - Industrial



Year-Round or Summer

Engineering Assistance Available For Your
Air Conditioning Problems

NEW HAMPSHIRE YORK CO.
720 Union St. Manchester, N. H.

New England Brick Co.

GONIC, N. H.

MANUFACTURERS OF
GONIC HARVARD WATERSTRUCK

Warehouse at Gonic for your convenience

FACE BRICK—Standard size and Roman size

QUARRY TILE—Buff and Red 6 x 6

BUILDERS SPECIALTY HARDWARE—Ash

Dumps - Attic Vents - Bell Traps - Brick Vents
- Clean-out Doors - Dampers - Wall Ties.

Main Office

324 Rindge Avenue Cambridge 40, Mass.
Telephone UNiversity 4-5540

NEW ENGLAND INSULATION CO.

Contractors - Distributors

ASBESTOS MAGNESIA FIBERGLAS
KAYLO and CORK PIPE COVERINGS
ASBESTOS MILLBOARD & PAPER

Tel. Highlands 5-7800
839-845 Albany St. Boston 19, Mass.
ARTHUR E. SWANSON, Manager

NOW AVAILABLE

OROSTONE Plastic Cement

Unique, Modern Decorative Finish
and Protective Coating
for Exterior

ROOFS - WALLS - PANELS - COLUMNS

Permanence of Stone
Strikingly Attractive
Completely Waterproof
Flexible

Bulletin and Specifications on Request

California Stucco Products of N. E., Inc.

169 Waverly Street — Cambridge 39, Mass.
Kirkland 7-5300

MANCHESTER SUPPLY COMPANY

Railroad Square
MANCHESTER, N. H.



Established 1890
Joseph W. Epply, Pres.
Wm. Hayes, Treas.

**Pioneer Wholesalers
of
Plumbing and Heating
Supplies**

GOODWIN & KING

20 POND ST. — NASHUA, N. H.

Tel. TUXedo 2-4510 or 3-8706

Blueprint Service

24 Hour Service — 7 Days a Week

BLUE LINE

SEPIA

BLUE LINE ON CLOTH

Also Drafting Equipment and Supplies

Prices on Request

MECHANICAL ENGINEERING

and

DRAFTING SERVICE

Announcement

In order to better serve the New Hampshire and Vermont areas, we have established an office in Manchester, N. H.

Mr. William D. Blunt E. E. is in charge and will appreciate the opportunity of serving you.

E. S. BOULOS CO.

Electrical Engineers and Contractors

1217 ELM STREET — MANCHESTER, N. H. — Tel. NATIONAL 3-8831

P. O. BOX 837

"Serving Northern New England since 1920"

The President's Message

ROOFING MATERIALS

The formal type of exterior usually requires a roof of smooth texture and fairly uniform color. Rough-textured, many-hued roofs are appropriate to informal designs as long as they are kept within the bounds of harmony and good taste.

In a general way the roofing material is determined by that of the walls. Wood shingles are used with any walls—cedar, cypress and redwood being the most common. These may be stained in colors to harmonize with the walls, or treated with creosote or fire-retarding paints. For buildings of other materials than wood, stucco and brick, the most important roofing consists of slate and clay tiles. Slates vary in color from reds to purples and greens. Clay tiles may be obtained in various shapes and colors. There are the flat shingle tiles, or those of the interlocking Spanish type in reds or greens and glazed or mat finishes.

In addition to the roofing materials named, various makes of asbestos and composition-felt shingles have recently come into use and have produced a material of attractive appearance.

Sheet metal, such as copper, lead and tin, is also used as roof covering. In certain types of exterior the metallic surfaces with standing seams give a desirable effect. Copper is the most expensive, but has the advantage of never requiring paint. In the average type of home, however, the use of metal for roofing is ordinarily limited to entrance canopies, porch roofs, etc.

THE PITCH OR SLOPE OF THE ROOF

Each type of roofing material just discussed calls for a roof of decided slope. The minimum slope which may be safely used varies with the material. Many roofs leak because their pitch or slope is not right. For each foot in the width of the building a minimum slope is demanded, varying from eight inches for slate and clay tile to two inches for sheet metal. Wood shingles require a minimum pitch of six inches for each foot of width.

ROOF CONSTRUCTION

Rusting nails destroy shingle roofs. Experience proves that the old cut iron nail is to be preferred over the common wire nail in general use. Other roofing should be applied in strict accordance with the manufacturers' directions or specifications.

The spaces between the ends of the rafters should be carefully filled in. In wooden buildings boards should be fitted between the rafters and all cracks carefully covered with building paper. In masonry buildings, the walls should be carried to the under side of the roof boards and between the rafter ends, and all voids carefully filled with mortar.

Provide proper flashing around places where leaks most commonly occur, as around chimneys, dormers, etc. Flashings consist of pieces of sheet metal, tin, zinc, copper, or lead. The angle formed by the roof and the vertical surfaces must be securely covered with these metal sheets.

Essential qualities of the home are weather and damp-proofness, fire-resistance and endurance. Let us see how these may be achieved.





OFFICERS

President

JOHN D. BETLEY, Manchester

Vice-President

NICHOLAS ISAAK, Manchester

Secretary

JOSEPH F. LAMPRON, Manchester

Treasurer

ROBERT SNODGRASS, Nashua

DIRECTORS

MITCHELL P. DIRSA, Manchester

JOHN R. HOLBROOK, Keene

MALCOLM D. HILDRETH, Nashua

Regional Council Delegates

JOHN D. BETLEY (ex officio) 1 yr.

MITCHELL P. DIRSA 1 yr.

ARNOLD PERRETON 1 yr.

ALEXANDER J. MAJESKI 2 yrs.

NORMAN P. RANDLETT 3 yrs.

Member of Regional

Judiciary Committee

RICHARD KOEHLER

Member of National Chapter

Affairs Committee

EUGENE F. MAGENAU

EDITOR

ALEXANDER MAJESKI, R. A.
Palomino Lane
Manchester, N. H.

PUBLISHER

LAWRENCE J. MOYNIHAN
P. O. Box 291
Concord, N. H.

New Hampshire ARCHITECT

VOL. 9

NOVEMBER, 1957

NO. 4



IN THIS ISSUE

Schools, numbering thirty-one, designed by members of New Hampshire Chapter, A. I. A., are included in this fourth annual School Issue.

This edition has been made possible by the cooperation of the general contractors and sub-contractors with the architects.

Paul E. Farnum, deputy commissioner of education, and an honorary member of New Hampshire Chapter, A. I. A., also contributed much of his time and talents to this work.

1ST STEP TO SOUND, SUCCESSFUL BUILDING

CONSULT AN ARCHITECT

New Hampshire Architect is published monthly at 181 North Main Street, Concord, N. H., under the direction of the president and board of directors of the New Hampshire Chapter, American Institute of Architects, to promote the objectives and public relations of the chapter. Advertising rates furnished upon request.

NEW HAMPSHIRE CONTINUES TO PLAN AND BUILD NEW SCHOOLS

by
Paul E. Farnum,
Deputy Commissioner of Education

A person motoring over New Hampshire today will be hard pressed to find a city or town without either a new elementary school or addition and in many communities some new secondary school construction. While the 12 year period following World War II has been an active one for new school construction, there were more new facilities made available for pupils during the fall of 1957 than in any similar period. The following summary presents the distribution of these new projects.

New elementary schools completed	10
Major additions to elementary schools	7
New secondary schools completed	6
Major additions to secondary schools	1
Buildings now under construction	12
	36

The map on page 8 shows the projects that have been completed or are now under construction for this 12 year period since 1945. Of the 229 school districts in the state 132 have new schools under construction or completed making a total of 234 projects.

Between 1945 and 1957 it is estimated that New Hampshire has expended over \$39,000,-000 for new construction. The following table shows the annual expenditure for new construction during the past 7 years.

1950-51	\$3,480,920
1951-52	3,175,672
1952-53	2,733,306
1953-54	2,334,786
1954-55	4,885,790
1955-56	5,547,946
1956-57	8,632,104 (Estimated)

NEW LEGISLATION

The 1957 legislature passed acts which will affect materially new construction in school districts and cities of this state. They are briefly summarized below.

RSA 33 — An Act relative to increasing the borrowing capacity by school districts. Increases the debt limit of school districts for school construction as follows:

Cities, 4% of the assessed valuation as last equalized by the state tax commission and with the approval of the Board of Investigation may be increased to 6%. School districts, 4% of the assessed valuation as last equalized to a maximum of 6% if approved by the Board of Investigation.

RSA 195 — An Act relative to borrowing capacity for cooperative school districts. Increases the indebtedness that may be incurred by a cooperative district for an elementary and secondary program, if authorized by the Board of Investigation, to an amount not to exceed 9% of the assessed valuation as last equalized.

RSA 198 — An Act relating to school building aid. Places on a continuing basis for the first time \$1,262,000 for the biennium for building aid. Provides for payment of 30% of annual payment of principal made by regular school districts and 40% for cooperative districts plus 5% additional for each pre-existing district in excess of two, with no grant to exceed 55%.

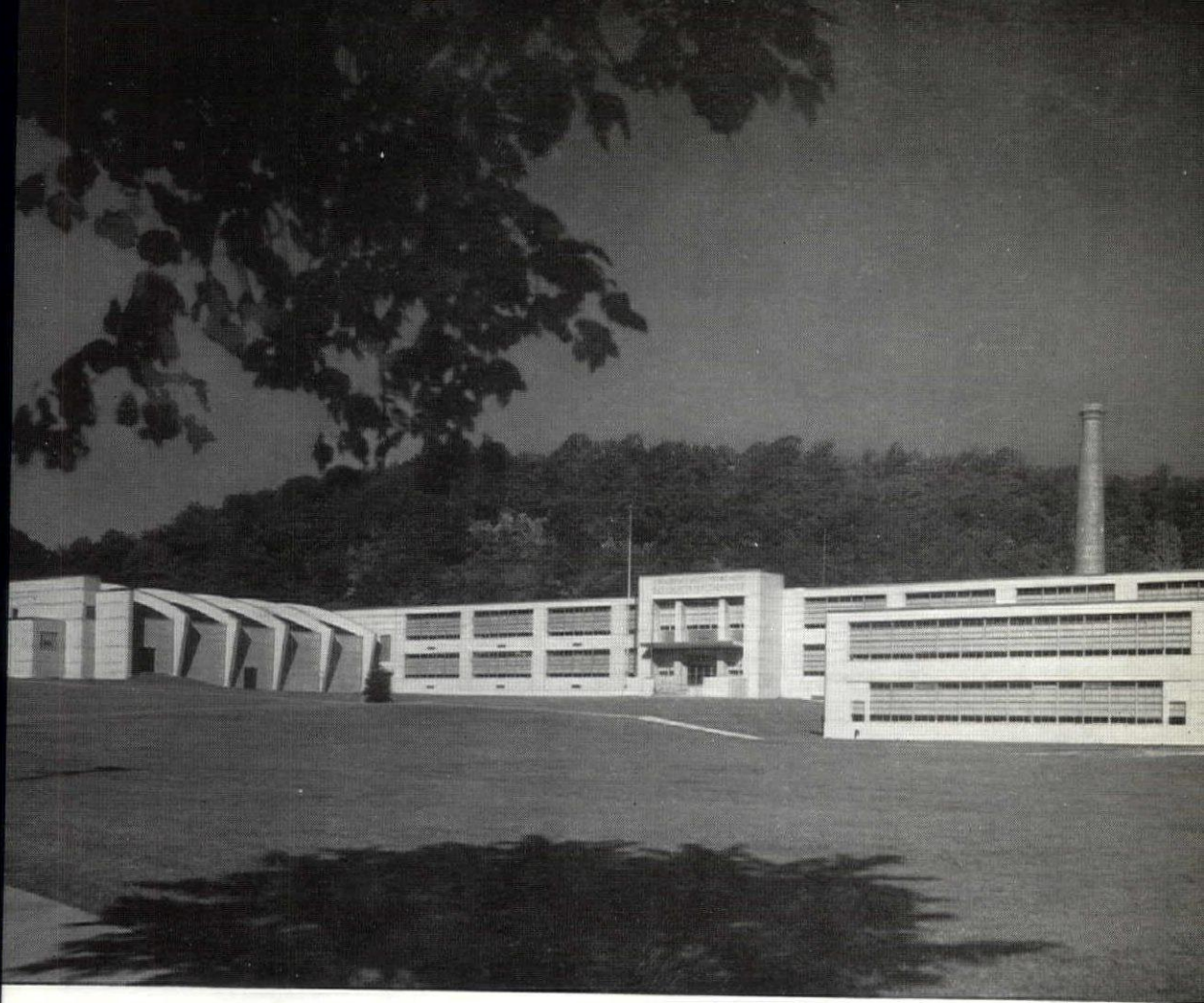
SCHOOL PLANNING

During this post-war period, we school people have learned many new things about functional school buildings and I am sure that architects have too, relative to their design and the materials that go into their construction.

Our experience thus far in the construction of buildings has taught us that —

Sites can be expensive both as to actual construction of the building and the development of the site for play purposes. The initial purchase price though it is expensive may be the best investment in the long run. Frequently a school board or building committee may hesitate to pay \$15,000 to \$25,000 for a desirable site when the building itself will represent a total expenditure of \$200,000 or more.

(Continued on Page 9)



Outstanding school built at "astonishingly low cost" with *Architectural* Concrete

The beautiful Theodore Roosevelt High School in Williamsport, Pa. is considered by many to be the best school building built in the entire area since January 1, 1946.

In commenting on the interest in this school, architect D. H. Grootenboer, A.I.A., said:

"While I take deep satisfaction in the great interest and many favorable comments about one of my buildings, I must point out that architectural concrete made it possible for me to design a modern, completely fire-resistive building at the astonishingly low cost of \$0.763 per cu. ft. when fire-resistive buildings of other construction were costing from 10 to 40 cents more per cu. ft."

Fire resistance and low cost are only two of the outstanding characteristics that make architectural concrete the choice of more and more architects. Architectural concrete also offers great durability and strength. It requires little maintenance and delivers *low-annual-cost* service.

While it is an ideal material for modern schools architectural concrete is equally adaptable to hospitals, apartments, churches, factories, stores, offices and public buildings.

For more information about designing beautiful architectural concrete structures of any size or style, write for free illustrated literature. It is distributed only in the United States and Canada.

PORTLAND CEMENT ASSOCIATION
142 HIGH STREET, PORTLAND 3, MAINE

A national organization to improve and extend the uses of portland cement and concrete through scientific research and engineering field work

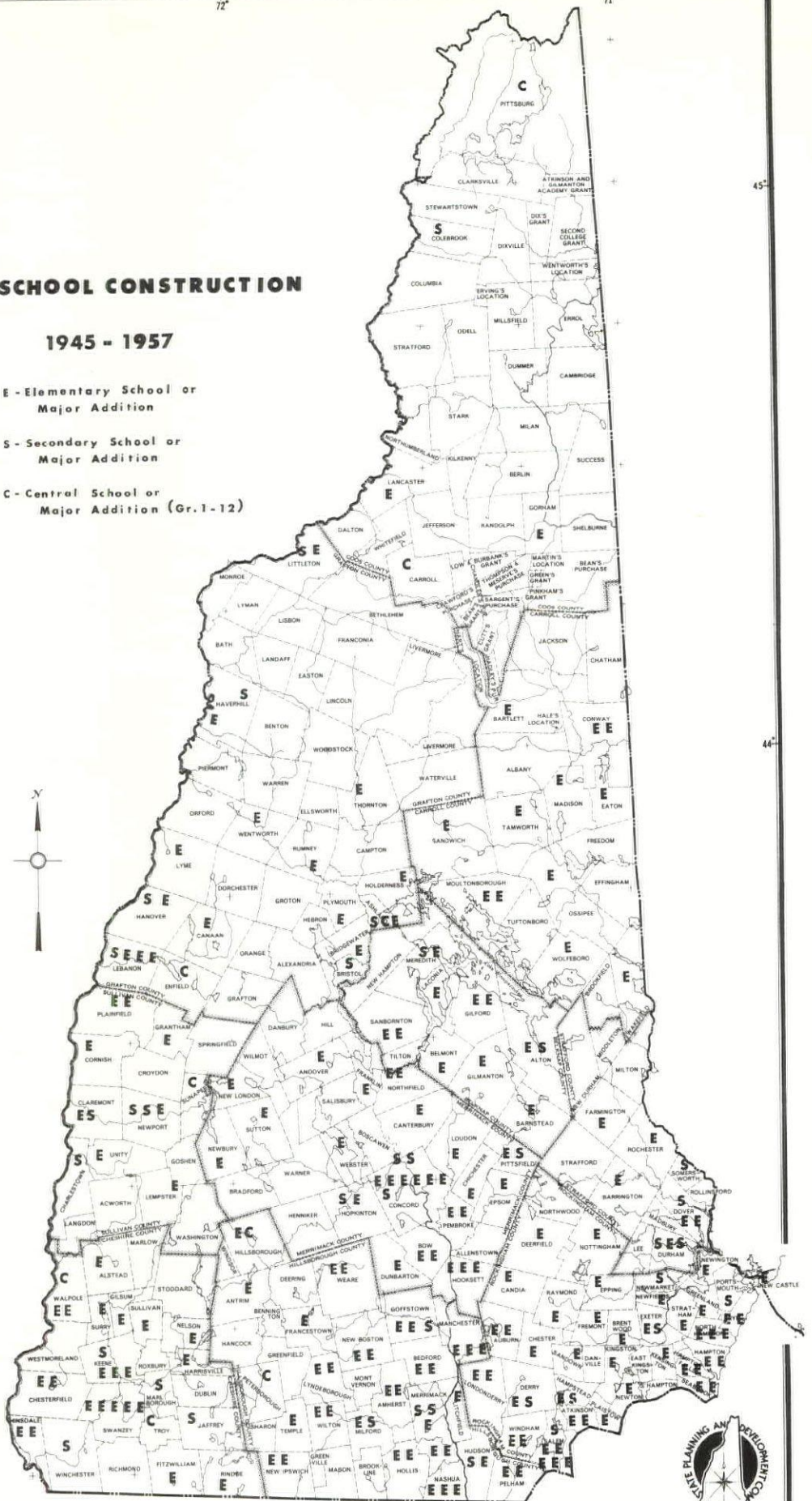
NEW SCHOOL CONSTRUCTION

1945 - 1957

E - Elementary School or
Major Addition

S - Secondary School or
Major Addition

C - Central School or
Major Addition (Gr.1-12)



BASE MAP PREPARED BY THE NEW HAMPSHIRE STATE PLANNING AND DEVELOPMENT COMMISSION



SCALE IN MILES
0 4 8 12

(Continued from Page 6)

There is much confusion and differences of opinion as to the desirable size for a school site. The following recommendations are made by the National Council on Schoolhouse Construction.

1. For elementary schools, it is suggested that there be provided a minimum site of 5 acres plus an additional acre for each 100 pupils or predicted maximum enrollment. Thus an elementary school of 200 pupils should have a site of 7 acres.
2. For junior and senior high schools it is recommended that there be provided a minimum of 10 acres plus an additional acre for each 100 pupils of predicted ultimate maximum enrollment. Thus a high school of 500 pupils should have a site of 15 acres.

Fewer toilet fixtures in well located toilet rooms serve the needs of the school better than large gang toilets for large numbers of pupils. The following suggestions will be of help in planning these facilities.

1. There should be an ample supply of water available at all times. At least 30 gallons per day per pupil for all purposes should be provided.
2. In multi-story buildings more toilets should be planned for the first floor than the second floor. In cases of toilets for pupils only, it is no longer considered necessary that the rooms for the two sexes be widely separated. An exception to this would be found in an area where waiting in line might be expected as in the case of rooms serving the gymnasium and auditorium. Entrances to toilets should be designed so as to prevent visibility from the corridor. Lavatories should be placed so that pupils will pass by them as they leave the toilet room. It is becoming common practice to provide individual room toilets in connection with primary classrooms, particularly through Grade 4. Some communities accept this practice for pupils even through Grade 6. A single toilet may serve both sexes especially in the primary grades. Careful attention, however, should be given to the location of the entrance door and to some type of signal or light to indicate when the

(Continued on Page 29)

CAPITOL PLUMBING & HEATING SUPPLY CO.



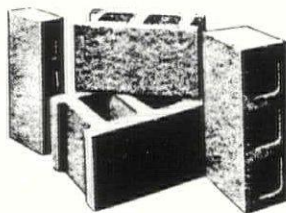
WHOLESALE DISTRIBUTORS FOR:

**YOUNGSTOWN STEEL KITCHENS
ELJER PLUMBING FIXTURES
NATIONAL - U. S. HEATING
KOVEN BOILERS & WATER HEATERS
MINNEAPOLIS - HONEYWELL CONTROLS
BARNES & JONES TRAPS
TACO HEATING SPECIALTIES
BELL & GOSSETT SPECIALTIES
DOLE VALVES
SYMMONS SAFETY MIX VALVES
ELKAY STAINLESS STEEL SINKS
GOULD WATER SYSTEMS**

All Other Nationally Advertised Brands

DIAL CA 4-1901 or 4-1902

Ward Ave. Concord, New Hampshire



"MONADNOCK BLOCKS"

CONCRETE — CINDER

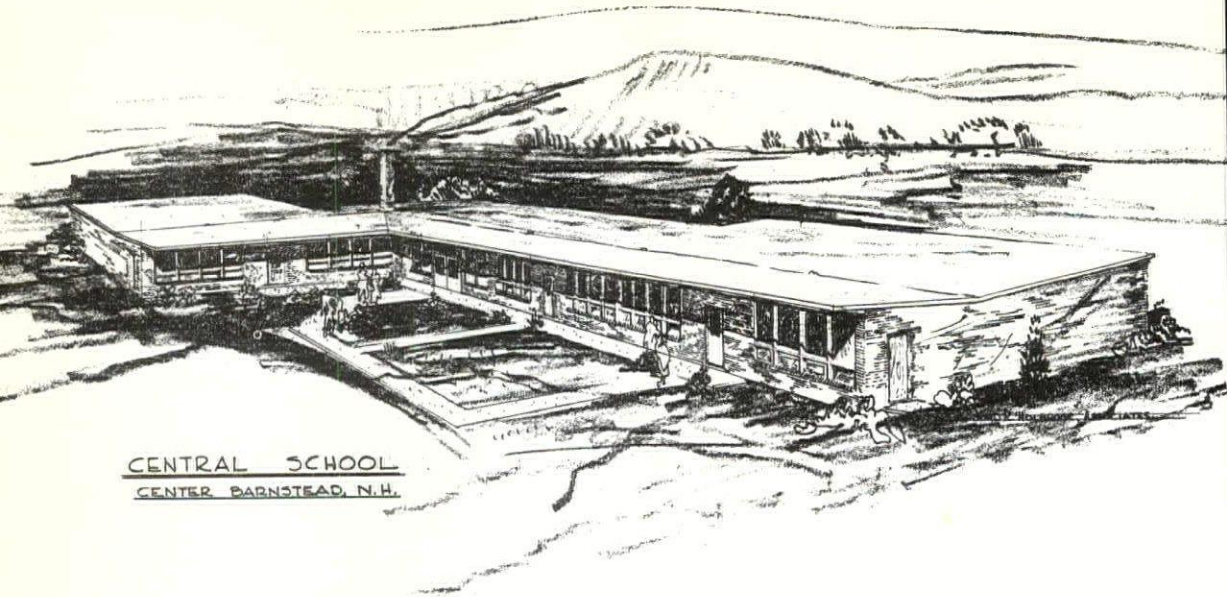
Made to Meet A.S.T.M. Requirements

Arthur Whitcomb, Inc.

725 Main St.

Keene, N. H.

Dial EL 2-0101

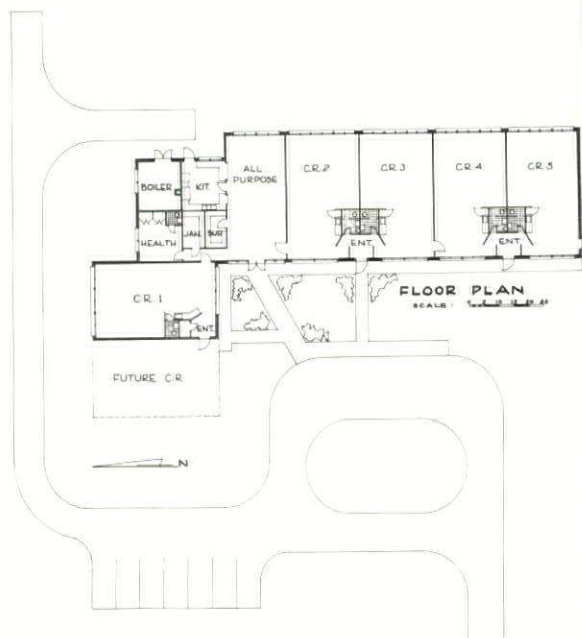


CENTRAL SCHOOL
CENTER BARNSTEAD, N.H.

Barnstead Central School - Barnstead

DESCRIPTION:

Concrete footings; concrete block foundation walls waterproofed; exterior walls, concrete block and waterstruck brick veneer; windows, glass block and wood awning type sash, interior walls, concrete block painted and polished concrete blocks; roof, 20-year bond with extruded aluminum gravel stops, interior drains; roof framing wood joists and steel beam; floor 4" concrete with vinyl asbestos floor covering; ceilings, acoustical tile on metal suspension; lighting incandescent; heating, forced hot water, unit ventilators 2 zones; plumbing, concrete septic tank and tile disposal field.



ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$66,380	70.56	\$ 8.23	.75
HEATING & VENTILATING.....	18,110	19.28	2.25	.20
PLUMBING.....	5,205	5.53	.63	.051
ELECTRICAL.....	4,350	4.63	.54	.049
TOTAL COST OF BUILDING.....	\$94,045	100.00	\$11.65	1.05

BID: August, 1957 — Square Feet: 8,067 — Cubic Feet: 88,737.

John R. Holbrook Associates, A.I.A., Architects - Keene, N. H.

ROLFE CAMP COMPANY, FRANKLIN, N. H.
GENERAL CONTRACTOR

Jordan's Electrical Co.

PHONE 716

35 BAY STREET

TILTON, N. H.

COMMERCIAL & RESIDENTIAL

WIRING

Electrical Contractor

for

BARNSTEAD CENTRAL SCHOOL

Center Barnstead, N. H.

Rolfe Camp Co., Inc.

GENERAL CONTRACTORS

200 Central Street

FRANKLIN, N. H.

Tel. 752



General Contractors

for

Central School

CENTER BARNSTEAD, N. H.

CELOTEX ACOUSTICAL CEILINGS

B-M RADIANT HEATING and COOLING CEILINGS

INSULROCK INSULATING ACOUSTICAL ROOF DECKS

CEMESTEEL MOVABLE OFFICE PARTITIONS

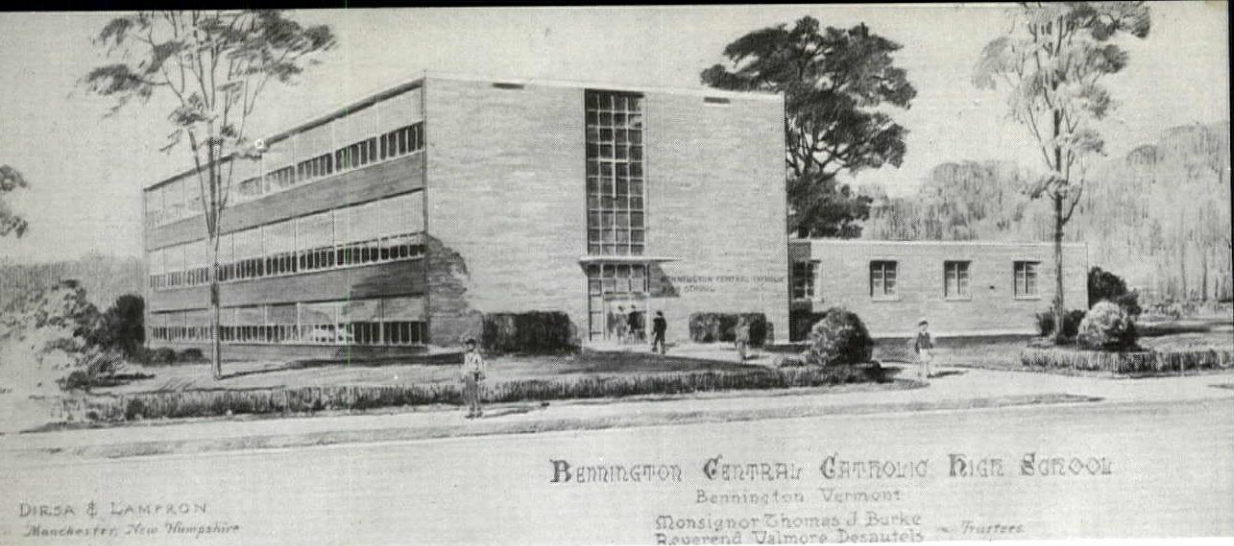
BY

PITCHER and COMPANY, Inc.

67 ROGERS ST.

CAMBRIDGE, MASS.

GOFFSTOWN, N. H. HYacinth 7-2376



Bennington Catholic High School - Bennington, Vermont

DESCRIPTION:

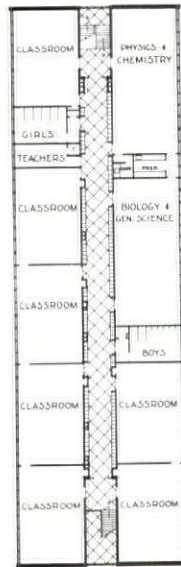
This high school is now occupied and will take care of a maximum of 500 students. Facilities provided on the first and second floors are: 12 homerooms, chapel, library with work area, 2 commercial rooms, chemistry and physics laboratory, biology and general science laboratory, dark room, preparation room, men and women teachers' loungerooms, general office, principal's office, steel corridor lockers and boys and girls toilet rooms on each floor. Facilities provided for on ground floor are: home economics room, kitchen, cafeteria, men and women toilet rooms, cloak and health room, guidance office, large store room, supply room, separate completely equipped boys and girls locker rooms with coaches offices, hall and stage.

For economy, the main entrance of the building was designed to serve both the school and the hall thus enabling a dual usage of the ground floor facilities. The ground floor corridor also serves as a large foyer for the hall and circulation at community functions may be restricted to this area only. The hall is a combination gymnasium and auditorium. It houses a standard 46'-0" x 84'-0" basketball court and two smaller cross courts for practice games. The roll-a-way stands will seat approximately 700 persons.

The school is fire-proof throughout and will have a four hour fire rating. The construction is as follows: concrete foundations, concrete floor slabs, brick and cinder block exterior walls, cinder



FIRST FLOOR PLAN



SECOND FLOOR PLAN

block interior partitions, asphalt tile floor finish, acoustical plaster ceilings, concrete roof slab on steel joists, 20-year tar and gravel roof, aluminum ribbon windows and glass blocks, forced hot water heat, mechanical exhaust ventilation, incandescent lighting.

ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$344,078.00	77.8	\$ 8.67	\$.572
PLUMB., HEAT., VENT.....	72,480.00	16.4	1.82	.12
ELECTRICAL.....	25,788.20	5.8	.65	.043
TOTAL COST OF BUILDING.....	\$442,346.20	100	\$11.14	\$.735

HEIGHTS: Ground Floor 12'-1"; 1st and 2nd Floors 11'-7"; Hall 20'-0"—
VOLUME: 601,600 cu. ft.—FLOOR AREA: 39,700 sq. ft.

Dirsa and Lampron, A.I.A., Architects - Manchester, N. H.

GERALD E. MORRISSEY, INC., BENNINGTON, VT.

GENERAL CONTRACTOR

LOCKWOOD LOCKS, DOOR CLOSERS AND PANIC EXIT BOLTS

FURNISHED ON —

Bennington Catholic High School, Bennington, Vt.

St. Mary's High School, Claremont, N. H.

Our Lady of the Seven Dolors Elementary School,
Fairhaven, Vt.

DESIGNED BY **DIRSA** AND **LAMPRON, A.I.A.** ARCHITECTS

Lockwood Hardware Mfg. Co. of Fitchburg, Mass. are makers of a complete line of
Builders' Finishing Hardware since 1878.

Literature and complete information promptly sent on request to Dept. N.H.A.
Lockwood Hardware Mfg. Co., Fitchburg, Mass.

HARDWARE AT —

Our Lady of the Seven Dolors School, Fair Haven, Vermont furnished by

DALLAIRE BUILDING SUPPLY

MANCHESTER, N. H.

Morse C. & B. Block, Inc.

CEMENT BLOCKS
FOR ALL PURPOSES

Route U. S. 7, One Mile North of
Bennington, Vermont

C. Kirkpatrick, Mgr.

Dial 2260

Suppliers of

CEMENT BLOCKS and CONCRETE PIPE
for

BENNINGTON

CATHOLIC HIGH SCHOOL

Bennington, Vermont

Gerald E. Morrissey, Inc.

GENERAL CONTRACTING
ENGINEERING

Vermont Bank and Trust Co. Building

Dial 5701

BENNINGTON, VERMONT

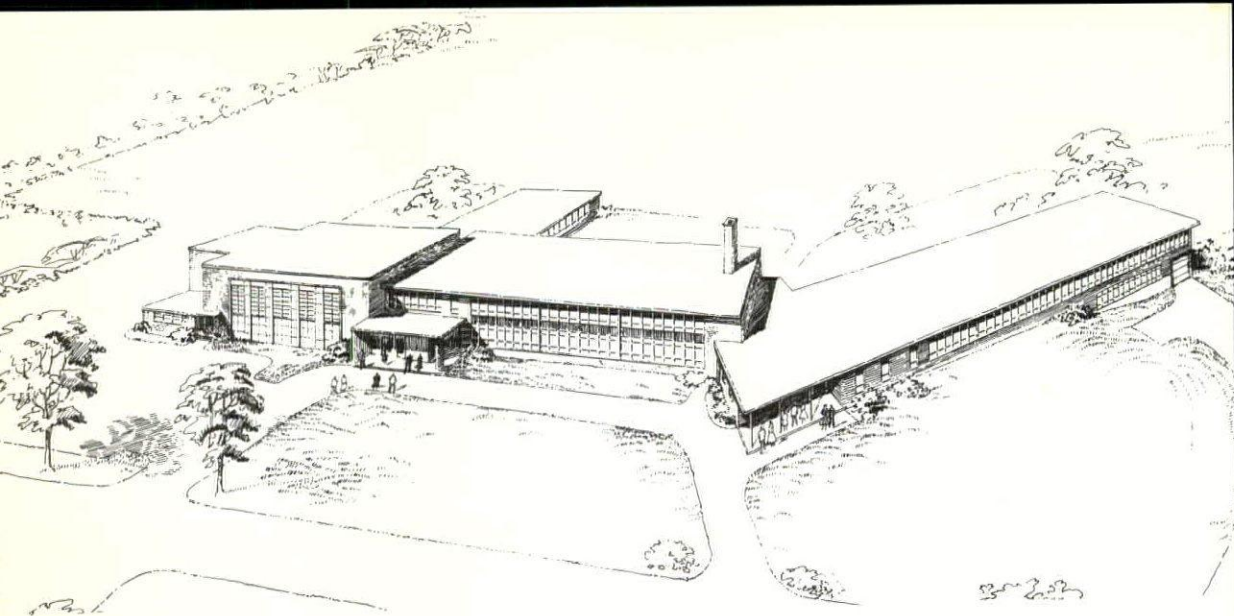


General Contractor

for

Bennington Catholic High School

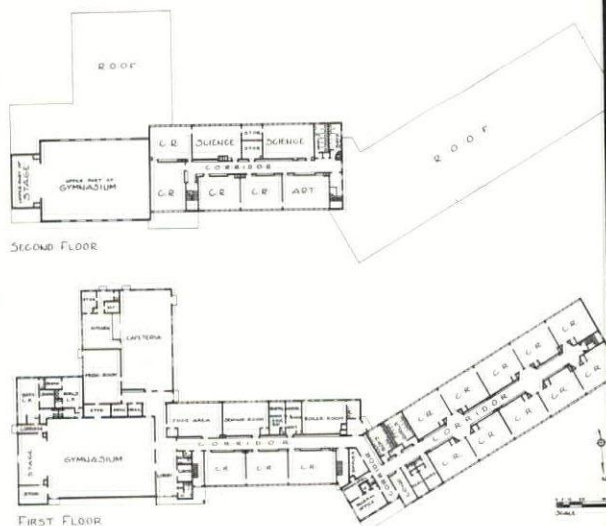
Bennington, Vermont



Claremont Junior High School - Claremont

CONSTRUCTION:

EXTERIOR WALLS: Concrete block with brick facing. **INTERIOR WALLS:** Concrete block painted. Vitritile dado on Corridor walls which are recessed for steel lockers. Ceramic tile dado in Toilets. **CEILING:** Acoustical units throughout except Boiler Room which has vermiculite plaster. **ROOF:** Douglas fir rafters, boarding, 1" insulation, 20 year bonded tar and gravel roof over Class Room portions. Longspan joists, 3" wood planking, tar and gravel roof over gymnasium and cafeteria portion. **FLOORS:** First floor—reinforced concrete slab on grade with asphalt tile flooring; ceramic tile in Toilets and Showers. Second floor—open steel joists, Steel-tex and concrete covered with asphalt tile; ceramic tile in Toilets. **WINDOWS:** Structural wood units in Class Room portion. Steel units in Gymnasium and Locker Room area. **HEATING:** Two pipe vacuum return steam heating system. **PLUMBING:** Standard School size. **ELECTRICAL FIXTURES:** Fluorescent and Incandescent.



ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$441,460.00	73.1	\$ 8.26	\$.50
PLUMB., HEAT., VENT.....	125,218.00	19.8	2.32	.14
ELECTRICAL.....	47,242.00	7.1	.80	.05
TOTAL COST OF BUILDING.....	\$613,920.00	100.0	\$11.38	\$.69

TOTAL VOLUME: 886,000 cu. ft.—**FLOOR AREA:** 53,930 sq. ft.—**DATE OF BIDS:** October, 1956—**FLOOR HEIGHTS:** 11' 5" floor to floor; 23' 0" to bottom of trusses in Gymnasium.

ALFRED T. GRANGER Associates, A. I. A.
Architects and Engineers - **Hanover, N. H.**

SWANBURG CONSTRUCTION CORP., MANCHESTER, N. H.
GENERAL CONTRACTOR

**ANOTHER
FINE SCHOOL BUILDING
BY**

**SWANBURG
CONSTRUCTION CORP.**

Manchester, N. H.

General Contractor for Franklin Elementary School

General Contractor for Seabrook Elementary School

**Painting Contractor
at**

CLAREMONT JUNIOR HIGH SCHOOL

Claremont, N. H.

**INTERIOR & EXTERIOR
Painting**

Paper Hanging & Decorating
Mural Work & Color Styling
Floor Sanding & Refinishing
Canvas Ceilings Installed
Industrial & Commercial Spray Painting

Herbert W. Paul

Res. Bedford GR 2-5484
173 Douglas Street
Manchester

**DIAL
NA 3-6525**

Lathing and Plastering

— at —

**Claremont
Junior High
School**

— by —

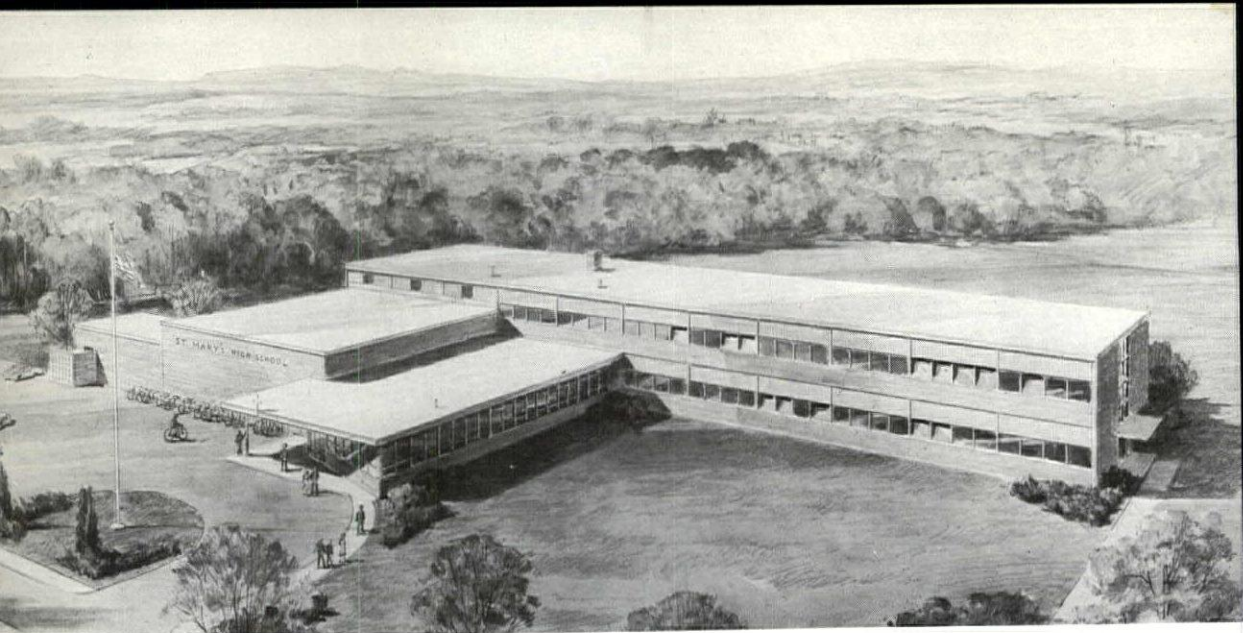
**P. H. McGranahan
Company, Inc.**

555 Valley St. Manchester, N. H.
Dial 2-9373

LATHING

by

**ECONOMY SYSTEM OF LATHING
Manchester, N. H.**

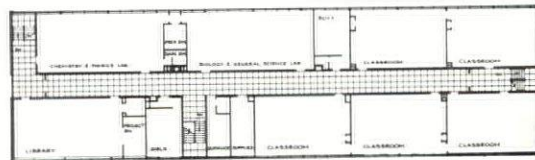


St. Mary's Parish High School - Claremont

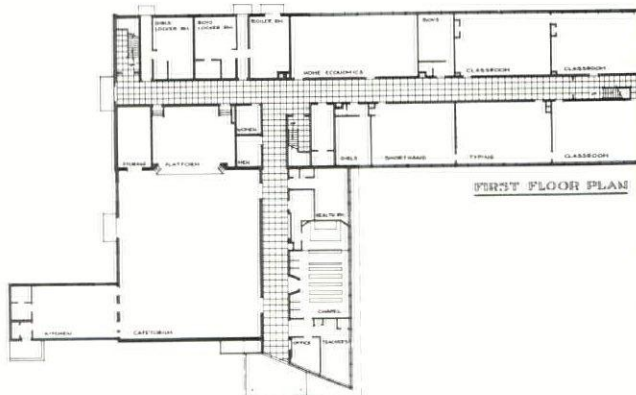
DESCRIPTION:

Facilities provided: 8 homerooms, chapel, library with project room, 2 commercial rooms, chemistry and physics laboratory, biology and general science laboratory, dark room, preparation room, guidance room, administrative offices, health unit, boys' and girls' locker rooms, home economics room, kitchen, cafeteria, men and women public toilet rooms. Provisions have been incorporated in the building to add on 8 additional classrooms in the future. The laboratories, library and kitchen facilities are all ample to take care of the future additional 8 classroom student load. This school is fire-proof throughout and will have a four hour fire rating.

Construction data: concrete foundation, concrete floor slabs, brick and cinder block exterior walls, cinder block interior partitions, glazed tile wainscots in all corridors, ceramic floors and wainscots in toilet rooms, asphalt tile floor finish, acoustical plaster ceilings, concrete roof slab on steel joists, 20-year tar and gravel roof, aluminum ribbon windows and glass blocks, zoned forced hot water heat, mechanical exhaust ventilation, fluorescent lighting in classrooms and laboratories and incandescent lighting elsewhere.



SECOND FLOOR PLAN



FIRST FLOOR PLAN

ITEM	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$9.86	\$.73
PLUMBING.....	.93	.07
HEATING & VENTILATING.....	1.21	.09
ELECTRICAL.....	1.01	.08
TOTAL COST.....	\$13.01	\$.97

DATE OF BIDS: January 11, 1957.

Dirsa and Lampron, A.I.A., Architects - Manchester, N. H.

DOUGLAS E. PAGE, CLAREMONT, N. H.

GENERAL CONTRACTOR



ELECTRICAL
CONTRACTOR

for

St. Mary's High School - Claremont
Franklin Elementary - Franklin
Fred C. Underhill School - Hooksett
Claremont Junior High - Claremont
Pembroke School Addition - Pembroke

DIAL MAN. 3-3568

875 South Willow St., Manchester, N. H.

Motor Repairing



HEATING & PLUMBING CO., INC.

A. C. TROMBLY, President

Plumbing, Heating and Ventilation
Contractors - Engineers

PLUMBING AND HEATING
HOPKINTON ELEMENTARY SCHOOL
GILFORD ELEMENTARY SCHOOL

HEATING

BARNSTEAD ELEMENTARY SCHOOL
ST MARY'S HIGH SCHOOL
Claremont, N. H.



Serving Northern New Hampshire in Domestic,
Commercial and Industrial Installations

17-21 Water St. Laconia, N. H.

Tel, Laconia 706

DOUGLAS E. PAGE

No. 1 Curtis Street
CLAREMONT, N. H.

General Contractor

for

ST. MARY'S HIGH SCHOOL
Claremont, N. H.

Members of New Hampshire Chapter, A. I. A., are portraying in this issue schools which they have recently designed, and which are either completed or under construction. Submitting photographs, plans, descriptions and costs of these new institutions are:

DIRSA AND LAMPRON	MANCHESTER
W. BROOKE FLECK	HANOVER
ALFRED T. GRANGER ASSOCIATES	HANOVER
IRVING W. HERSEY ASSOCIATES	DURHAM
JOHN R. HOLBROOK ASSOCIATES	KEENE
HUDSON AND INGRAM	HANOVER
E. H. AND M. K. HUNTER	HANOVER
ANDREW C. ISAAK	MANCHESTER
LYFORD AND MAGENAU	CONCORD
NORMAN P. RANDLETT	LACONIA
ROLAND S. SIMONDS	MANCHESTER
TRACY AND HILDRETH	NASHUA
WILLIAM L. WHITE	EXETER
MAURICE E. WITMER	PORTSMOUTH

A ROOF BY THERRIEN IS A GOOD ROOF

TEL. 3-6193

199 HAYWARD STREET

MANCHESTER, N. H.

Powermaster[®]

PACKAGED AUTOMATIC BOILERS



for all steam processing and
comfort heating needs in . . .

Apartment Buildings	Greenhouses
Apparel	Hospitals
Bakeries	Hotels
Beverages	Laundries
Camps	Leather
Canning	Machinery
Churches	Meat
Colleges	Paper Mills
Concrete Blocks	Petroleum
Confectioners	Public Buildings
Dairies	Quarries
Dry Cleaning	Rubber
Feed Pelleting	Schools
Fertilizers	Textiles
Fisheries	Tire Recapping
Furniture	Warehouses
Garages	Wood Products

CRAIG SUPPLY CO., INC.

99 Madbury Road

DURHAM, NEW HAMPSHIRE

PHONE: 276-R

SELECTING SCHOOL ARCHITECT AND SCHOOL SITE

Selecting the School Architect

In the selection of the school architect, The American Institute of Architects recommends using its form No. 371, "Standard Form of Questionnaire for Selection of Architects for School Building Projects."

The form, approved by the National Council of Schoolhouse Construction and The A. I. A., contains, first, information supplied to the architect by the school system, as follows:

Name of school, name of superintendent or other person to whom questionnaire should be returned, size of system (pupil enrollment), general description of proposed project, approximate timetable for planning and construction.

In filling out the form, the architect is asked to furnish such information as:

Type of organization (individual, partnership, corporation); names of principals, professional history, professional affiliations, key personnel, staff organization.

The architect is asked to furnish a list of complete buildings his firm has designed during recent years, and the form adds, "if you have recently established your own practice, indicate prior responsibilities with other projects. Underline those you feel are examples of your work appropriate

to our problem and which you would like to have listed. Include cost of buildings, type, location and dates of construction."

Other information requested includes the names of persons to whom the board of education may write for recommendations.

The architect is asked to attach other material which might help the board in giving consideration to the application, such as:

Integrity, thoroughness, creativeness, adequacy of supervision, business procedure and record-keeping on the project, and financial responsibility.

Finally, the architect is asked if, in case he is called in for an interview, he would furnish information indicating:

That his organization is adequate to do the project, that previous commitments will not prevent expeditious planning of the project, that he is willing to devote time to carry out cooperative educational planning with designated school staff members or committees, and completeness of contract documents (plans and specifications.)

The forms are available at The A. I. A. headquarters.

(Continued on Next Page)

1ST STEP TO SOUND, SUCCESSFUL BUILDING CONSULT AN ARCHITECT



NEW HAMPSHIRE *Supply Company*



Wholesalers and Jobbers

40 - 48 COMMERCIAL ST.
149 PLEASANT ST.

MANCHESTER, N. H.
CLAREMONT, N. H.

TEL. 5-7881
TEL. 2030

PLUMBING & HEATING
SUPPLIES
INDUSTRIAL SUPPLIES
POWER TOOLS
PAINT & HARDWARE

CHOOSING THE SCHOOL SITE

The selection of school sites in growing suburban communities has become an exact science.

An illustration of how an architectural firm and a board of education cooperated is to be found in the recent project of a school district, where a score sheet was used to rate the available tracts.

It has been found, especially in cases where the site problem tends to be difficult, that the early entry of the school architect into the project can be helpful not only in making certain that the future growth will not overburden the facilities but also in achieving substantial economies. The score sheet, taking into account twenty factors that should determine the choice, has been devised by a group of architects active in school construction.

In a typical case, a school board was considering a number of potential tracts for a high school. Each had some advantages. It was the architect's first task to inspect each of them and make a single recommendation. To do this, the architects gathered background information about the community's educational program and the anticipated size of the student body for several years hence.

To determine what facilities would have to be built on the land ultimately selected, a citizens' advisory committee cooperated with the board and with an educational consultant to the architectural concern.

The educational goals set by this group reflected many of the changes that have occurred in the thinking of school experts over the years. More time is being devoted nowadays to business machine study, driver education, music practice and corrective teaching.

Moreover, communities are allocating more acreage for athletic fields as well as to nature study and gardening. Parking areas and bus loading zones also are now being considered as essential adjuncts of school planning, rather than nuisances that can be shunted to leftover space.

The study included estimates of enrollment by grades, now and in future years. This phase of the work also touched on

(Continued on Page 37)

LET US HELP YOU TO HELP
YOURSELF WHEN IN NEED OF

SCAFFOLDING

Lease

Sale

Sectional Steel Scaffolding
Putlogs — Ledger Clamps
Plasterers' Jacks
Sidewall Steel Scaffolding

BUY DIRECT FROM FACTORY

And Save Agent's Commission
MADE TO FIT ANY TYPE OF SCAFFOLD

Scaffolding Specialty Co., Inc..

35 Lexington Avenue
WEST SOMERVILLE, MASS.

Telephone—SOMerset 6-4050



BENDIX - WESTINGHOUSE

Hermetic Compressors
Condensing Units and Parts
Air Conditioning and Heating
and
Refrigeration and Supply Jobbers

WHOLESALE ONLY

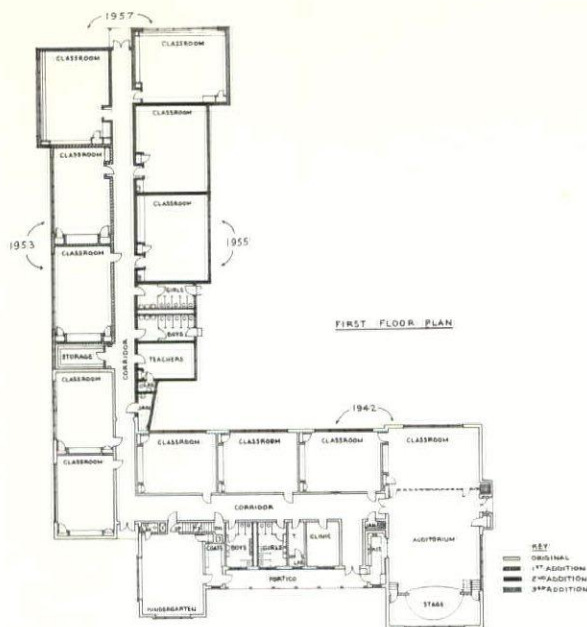
Cobe and Foster, Inc.

566 Willow St.

Dial 2-9642

Manchester, N. H.

Registered Professional Engineers



Dame School Classroom Addition - Concord

DESCRIPTION:

This is the third two room addition to this building which was originally erected in 1942. Each of the additions is indicated on the plan. Having been planned for expansion, it has not been difficult to mount the extra rooms on the original small chassis. However this is not the most economical way to provide classroom space. The first addition in 1953 required only an extra circulating pump to provide heat for new radiation, and an extension of plumbing lines for a drinking fountain. The second one in 1955 required another circulating pump still without increasing boiler capacity, and extension of plumbing lines again for new toilets and fire hose line. For the third addition in 1957, new sections were added to existing cast iron boiler and the old oil burner and pumps were replaced with larger ones. Also automatic temperature

control was provided as well as a 5,000 gal. oil tank and other improvements in existing building which make the unit costs appear high. While the cafeteria program has expanded greatly during fifteen years, the same little Kitchen is doing the job with the help of some commercial cooking equipment and a greatly augmented ventilating system.

An interesting trend is observed in the size of classrooms. The pre-war planning was influenced by the depression-born need for economy so the rooms were made the absolute minimum in size. Each time classrooms were added, they were increased in size although the need for economy has been kept alive by continuing inflation. The area of typical classrooms increased as follows: 573, 757, 796, and 851 sq. ft.

ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$30,672.00	73.9	\$13.72	0.846
PLUMB., HEAT., VENT.....	8,881.50	21.4	3.97	0.235
ELECTRICAL.....	1,939.75	4.7	0.87	0.053
TOTAL COST OF ADDITION.....	\$41,493.25	100.0	\$18.56	1.134

TOTAL VOLUME: 36,280 cu. ft.—FLOOR AREA: 2,237 sq. ft.—CEILING HEIGHT: 11'-1".

Lyford and Magenau, A.I.A., Architects, - Concord, N. H.

GUNNAR DAVISON, MANCHESTER, N. H.

GENERAL CONTRACTOR

WE ARE PLEASED TO HAVE FURNISHED

Detail Millwork

for the

Dame School and Penacook
High School . . .

and we are looking forward to
completing work for the
Pembroke Elementary School

CONCORD LUMBER CO.

Dial CA 5-5557 Concord, N. H.

"Over Half a Century of Service
to Local Builders"

ADDITION TO

DAME SCHOOL Concord, N. H.

Built by

GUNNAR DAVISON

259 Webster St. Dial 3-1082
Manchester, N. H.

Roofing Contractor

For

Addition

Dame School - Concord, N. H.

Addition

Penacook High School - Penacook, N. H.

D. G. HOULE CO., INC.

BONDED ROOFERS



Roofing - Siding - Sheet Metal

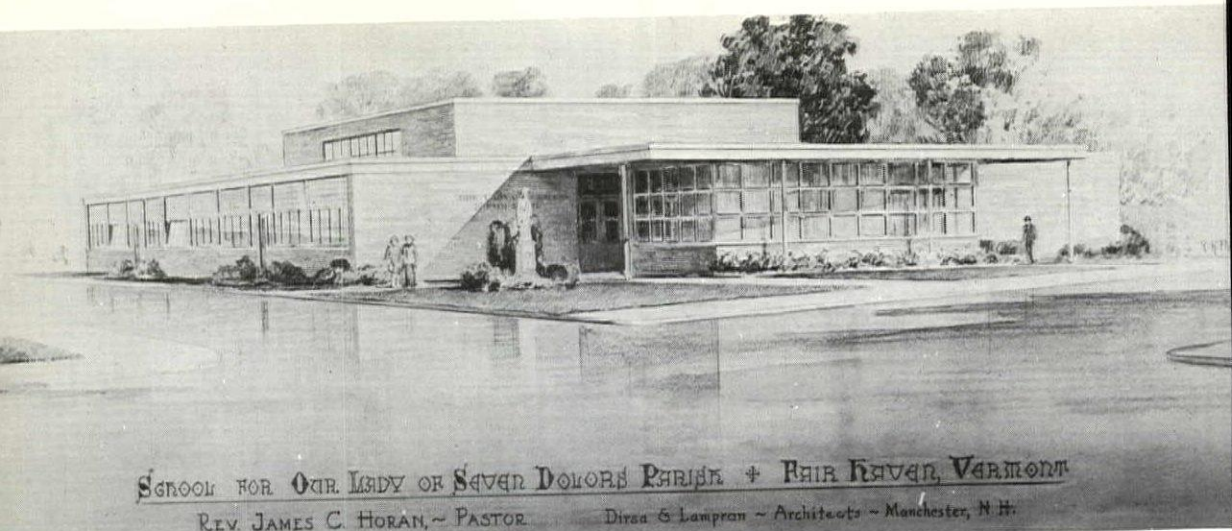
No. Commercial St. Manchester, N. H.

Dial NA 2-9163



Ventilating	HOPKINTON ELEMENTARY
Ventilating and Heating	DAME SCHOOL
Ventilating	CONANT SCHOOL
Ventilating and Heating	CANTERBURY ELEMENTARY

Distributor
BUTLER STEEL BUILDINGS



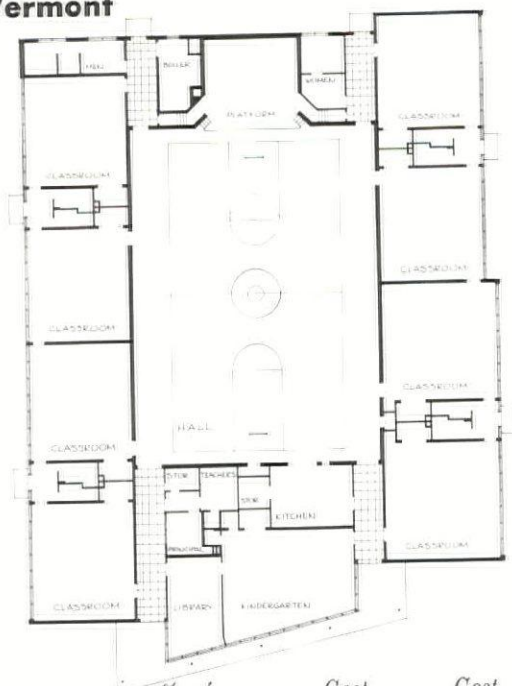
SCHOOL FOR OUR LADY OF SEVEN DOLORS PARISH - FAIR HAVEN, VERMONT
 REV. JAMES C. HORAN, - PASTOR Dirsa & Lampron - Architects - Manchester, N. H.

Our Lady of Seven Dolores Parish Elementary School Fair Haven, Vermont

DESCRIPTION:

Facilities provided: 8 classrooms, kindergarten, library, administrative offices, kitchen, hall and stage, boys' and girls' locker rooms. Special features are the separate toilet facilities located between classrooms and the direct exiting to play areas from each classroom. This school is fire-proof throughout and will have a four hour fire rating.

Construction data: concrete foundations, concrete floor slab, brick and cinder block exterior walls, cinder block interior partitions, asphalt tile floor finish, acoustical plaster ceilings, poured-in-place vermiculite concrete roof slab on steel joists, 20-year tar and gravel roof, glass blocks and aluminum windows, zoned forced hot water heat, mechanical exhaust ventilation, incandescent lighting.



ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$141,326.00	77.4	\$ 8.76	\$.53
PLUMBING.....	11,350.00	6.2	.70	.04
HEATING & VENTILATING.....	17,616.00	9.6	1.09	.07
ELECTRICAL.....	12,254.00	6.8	.76	.04
TOTAL COST OF BUILDING.....	\$182,546.00	100.0	\$11.31	\$.68

HEIGHTS: Classrooms 10'-7½", Hall 20'-0"—VOLUME: 266,791 cu. ft.—
 AREA: 16,137 sq. ft.—DATE OF BIDS: February 27, 1956.

Dirsa and Lampron, A.I.A., Architects - Manchester, N. H.

DONALD C. NOYES, RUTLAND, VT.

GENERAL CONTRACTORS

Randall Company, Inc.

RUTLAND, VT.

272 So. Main St. Tel. PROspect 3-2791

Plumbing - Heating and Ventilating

for

OUR LADY OF THE SEVEN DOLORS
ELEMENTARY SCHOOL

at

FAIR HAVEN, VT.

Roofing Contractor

for

OUR LADY OF SEVEN DOLORS
Fair Haven, Vermont



Roofing & Sheet Metal Contractors

LACONIA ROOFING & SIDING CO.

9 Terrill St., Rutland, Vt.

Phone PROspect 5-5919

DONALD C. NOYES

48½ Center Street

Tel. PROspect 3-6131

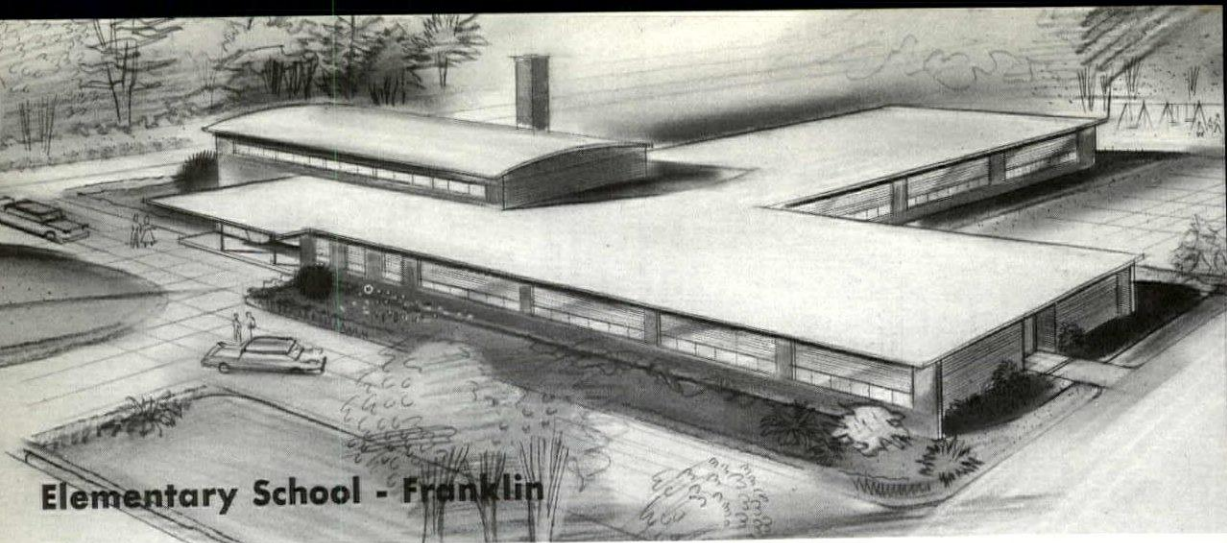
RUTLAND, VERMONT

GENERAL CONTRACTOR

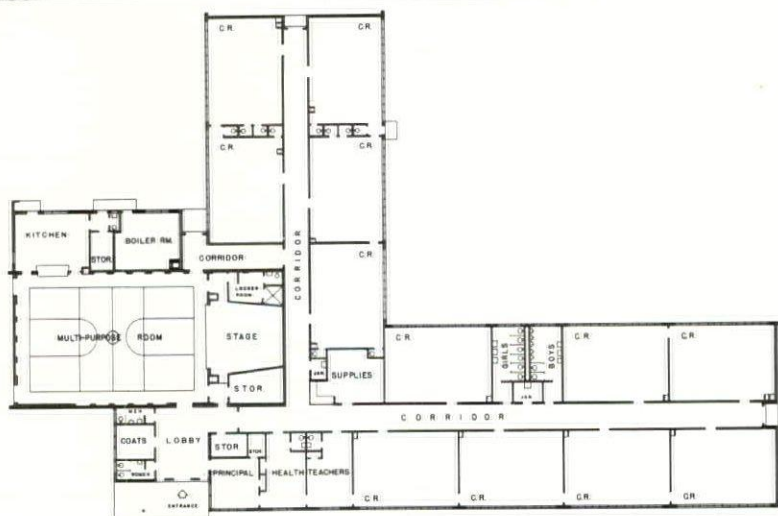
for

**Our Lady of The Seven Dolors
Elementary School
at**

Fair Haven, Vermont



Elementary School - Franklin



CONSTRUCTION:

EXTERIOR WALLS: Concrete block with brick facing, excepting Multi-Purpose Entrance which is concrete block. **INTERIOR WALLS:** Concrete block painted; Corridor Wall and Lobby—Vitritile dado. **CEILING:** Acoustical Units—Asbestos board in Boiler Room. **ROOF:** 20-year bonded tar and gravel on School Portion with insulation and roof boarding on 2 x 14 Fir rafters—Steel bowstring trusses with wood

planking and naked smooth surface type roof over Multi-Purpose Room. **FLOORS:** Reinforced Concrete slab on grade covered with plastic tile flooring—Ceramic tile floor and dado in Toilets. **WINDOWS:** Aluminum windows with glass block Class Rooms. Aluminum sash elsewhere. Glass block panels in Multi-Purpose Room. **HEATING:** Forced Hot Water—Vulcan radiation. **PLUMBING:** Standard Grade School size. **ELECTRIC FIXTURES:** Fluorescent in Class Rooms. Incandescent elsewhere.

ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$195,772.00	73.3	\$ 7.85	.46
PLUMB., HEAT., VENT.....	58,300.00	21.8	2.33	.14
ELECTRICAL.....	13,178.00	4.9	.53	.03
TOTAL COST OF BUILDING.....	\$267,250.00	100.0	\$10.71	\$0.63

TOTAL VOLUME: 425,800 cu. ft.—**FLOOR AREA:** 25,000 sq. ft.—**DATE OF BIDS:** June 26, 1957—**CEILING HEIGHT:** 10'-6" to 11'-6" Slanted Ceiling; Multi-purpose Room: 18'-0" Floor to bottom of truss.

ALFRED T. GRANGER Associates, A.I.A.
Architects and Engineers - **Hanover, N. H.**
SWANBURG CONSTRUCTION CORP., MANCHESTER, N. H.
GENERAL CONTRACTOR

MANCHESTER ROOFING CO., INC.

So. Commercial St.

NA 2-6639

Manchester, N. H.

ROOFING CONTRACTOR
Franklin Elementary School
FRANKLIN, N. H.

And Throughout New Hampshire
We Have Recently Roofed —

WEST HIGH SCHOOL — Manchester

TELEPHONE DIAL BUILDING — Peterborough

WESTINGHOUSE ELECTRIC SUPPLY —
Manchester

SIWOOGANOCK SAVINGS BANK and SUPER
MARKET — Lancaster

ARMY RESERVE TRAINING CTR. —
Portsmouth

CITIZENS PUBLISHING CO. — Laconia

WAREHOUSE and GARAGE — LA SALETTE
SEMINARY — Center Harbor

ADDITION — CHAMPAGNES SUPER MARKET
— D. W. Hwy., Manchester

FRANCOEUR - GILL CO., INC.

Plumbing Heating
Contractors

CLAREMONT JR. HIGH SCHOOL - CLAREMONT, N. H.

RYE ELEMENTARY SCHOOL - - - - RYE, N. H.

RUMNEY ELEMENTARY SCHOOL - - RUMNEY, N. H.

ADDITION ST. JOHN'S SCHOOL - - - LACONIA, N. H. .

— ALSO —

SEABROOK ELEMENTARY SCHOOL - SEABROOK, N. H.

ADDITION PENACOOK HIGH SCHOOL - PENACOOK, N. H.

Some Of Our Other Installations Are As Follows:

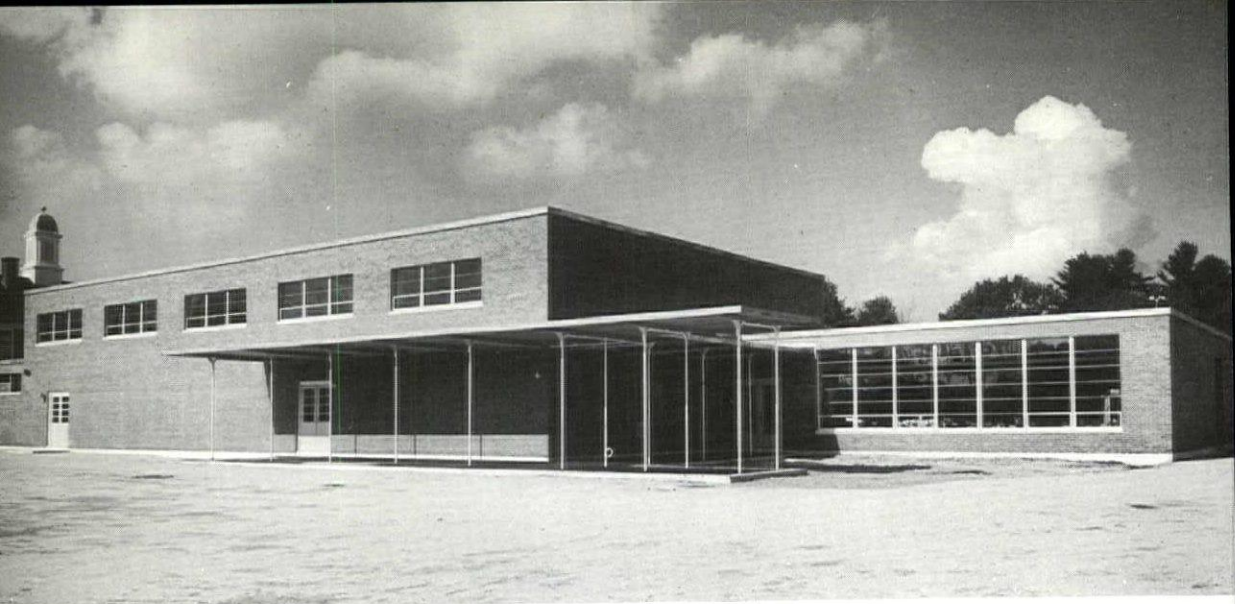
HEATING PLANT - N. H. STATE PRISON — PLUMBING & HEATING - Y. M. C. A. BUILDING,
LACONIA — PLUMBING & HEATING AT LACONIA STATE SCHOOL ON THE McLANE, FLOYD,
KEYES, AND BAKER BUILDING — PLUMBING - FARM BUREAU MUTUAL INSURANCE
BLDG., CONCORD, N. H.

34 CLINTON STREET

P. O. BOX 61

LAKEPORT, N. H.

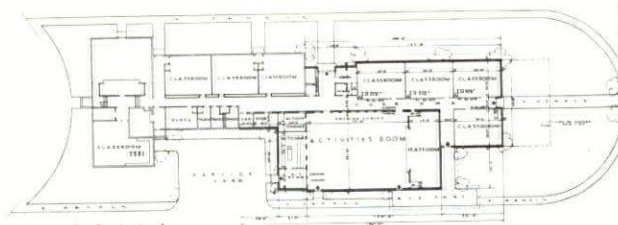
TELEPHONES 1090 — 2722



Additions and Alterations Elementary School Building - Gilford, N. H.

DESCRIPTION:

Foundations—reinforced concrete; exterior walls—brick facing with cinder tile backing; floors—dampproof concrete slabs; frame—structural steel; roof frame—classroom portion steel girders with wood purlins; roof decking—classroom portion precast insulating roof plank, activities room wood plank with rigid insulation; twenty-year bonded roofing; interior partitions—cinder tile; interior door frames—pressed steel; floors—asphalt tile, wood and concrete; ceilings—acoustical tile, plastered and structural; windows—aluminum sash; interior and exterior doors—wood; in-wall tables in activities room; large glazed view windows in corridors; large display case in entrance vestibule; modern paint decorations and electrical system. Plumbing system contains sixteen (16) fixtures with stainless steel kitchen. Five (5) zone forced hot water heating system, three in existing building and two in new addition; new boiler; forced ventilation.



ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$119,466.00	77.0	\$ 8.41	\$0.455
PLUMBING.....	8,455.00	5.5	.60	.032
HEATING & VENTILATING.....	19,500.00	12.5	1.37	.074
ELECTRICAL.....	7,535.00	5.0	.53	.029
TOTAL COST OF BUILDING.....	\$154,956.00	100.00	*\$10.91	\$0.590

TOTAL VOLUME: 263,072 cu. ft.—TOTAL FLOOR AREA: 14,193 sq. ft.
—CEILING HEIGHTS: Classrooms 10'; Activities Room 18'.

*Includes renovations in Boiler Room and other work in existing building, new sewage disposal system for entire building and finish grading.

Irving W. Hersey Associates, A.I.A., Architects - Durham, N. H.

ADRIEN LABRIE, LITCHFIELD, N. H.
GENERAL CONTRACTOR

(Continued from Page 9)

toilet is in use. Some means of thorough ventilation is of course a necessity.

It is very important that the toilet room floors be covered with ceramic tile or a similar impervious masonry material. Concrete or wood floors are not recommended. Wall surfaces should be of an impervious material such as glazed tile to a height of at least four feet.

All gang toilets should be provided with mirrors. In the girls' toilet rooms a full-length mirror is recommended. Positive mechanical ventilation with separate ducts should be planned for all toilet rooms. Natural light should be provided in the gang toilets but may be omitted in the individual or classroom toilets.

The following ratio of sanitary fixtures has just been adopted by the National Council on Schoolhouse Construction and may be considered minimum in school buildings. Where schools have self-contained classrooms with toilets, lavatory and drinking fountain, the

(Continued on Page 34)

Fabricated Steel Products Co., Inc.

Agents for

Ceco Steel Products Corporation

**STEEL JOISTS - ROOF DECK
STEEL SASH - ALUMINUM SASH
REINFORCING MESH
DUR-O-WAL**

**Warehouse and Office
115 Old Colony Avenue
Wollaston 70, Mass.
Mayflower 9-5218**

KENTILE FLOORS

at

GILFORD ELEMENTARY SCHOOL

In Asphalt Tile

FURNISHED and INSTALLED

by

LOUGEE-ROBINSON CO., INC.

Main Street

Laconia, N. H.

There's a perfect KENTILE FLOOR for every office . . . every home . . . every industrial or institutional need at . . .

LOUGEE-ROBINSON CO., INC.

ARCHITECTURAL STONE COMPANY

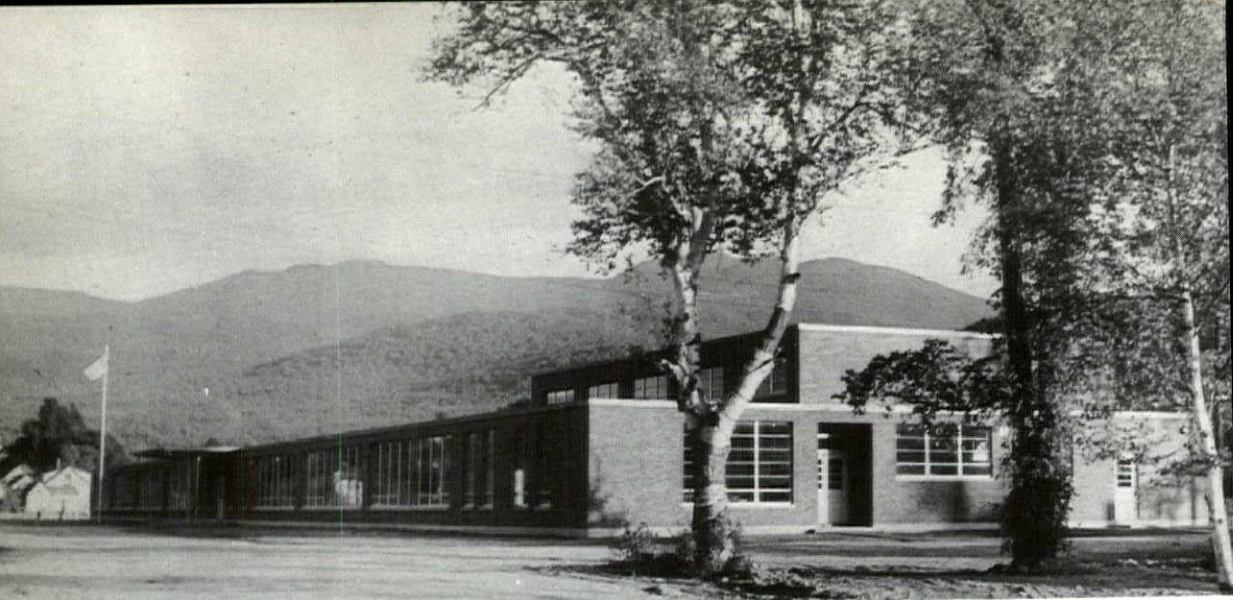
INCORPORATED

●
MANUFACTURERS OF

CAST STONE

TURNERS FALLS

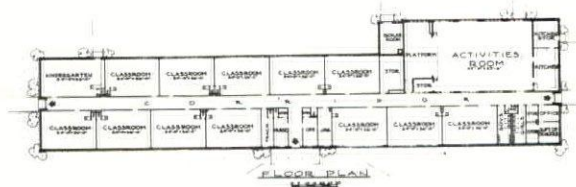
MASSACHUSETTS



New Elementary School - Gorham

DESCRIPTION:

Foundation—reinforced concrete; exterior walls—brick facing with cinder tile backing; floor—dampproof concrete slab; frame—structural steel; roof frame—classroom portion open web steel joists, activities room steel girders with wood purlins; roof decking—classroom portion precast insulating roof plank, activities room wood plank with rigid insulation; twenty-year bonded roofing; interior partitions—cinder tile; interior door frames—pressed steel; floors—asphalt tile, wood and concrete; ceilings—acoustical tile, plastered and structural; windows—aluminum sash; interior and exterior doors—wood; large glazed view windows in corridors; modern paint decorations and electrical system. Plumbing system contains 61 fixtures with stainless steel kitchen. Four (4) zone forced hot water heating system with forced ventilation.



ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$172,975.14	79.0	\$7.61	\$.515
PLUMBING.....	14,842.00	6.8	.65	.044
HEATING & VENTILATING.....	21,719.00	9.9	.95	.064
ELECTRICAL.....	9,435.00	4.3	.41	.028
TOTAL COST OF BUILDING.....	\$218,971.14	100.00	\$9.62	\$.651

TOTAL VOLUME: 337,486 cu. ft.—TOTAL FLOOR AREA: 22,782 sq. ft.
—CEILING HEIGHTS: Classrooms 10'; Activities Room 18½'.

Irving W. Hersey Associates, A.I.A., Architects - Durham, N. H.

RENE T. RICHARDS & SON, BERLIN, N. H.

GENERAL CONTRACTOR

R. H. KEIR
Plumbing and Heating

292 Main St. Tel HOmestead 6-2301

GORHAM, N. H.



PLUMBING - HEATING
and VENTILATING
for

**Gorham Elementary
School**

Rene T. Richards & Son

52 Gilbert St.

Tel. 1331

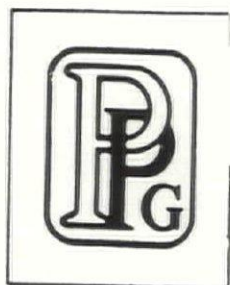
Berlin, N. H.



General Contractor

for

**Gorham Elementary
School**



**GLASS
and
GLAZING**

at

St. Mary's High School - Claremont
Pembroke Elementary - Pembroke
Barnstead Elementary - Barnstead
Franklin Elementary - Franklin
Gorham Elementary - Gorham
Salem Elementary - Salem

PAINTS • GLASS • CHEMICALS • BRUSHES • PLASTICS

PITTSBURGH PLATE GLASS CO.
23 So. Commercial St., Manchester, N. H.

DEMERS ELECTRIC CO.

48 Oxford St.

Tel. 2080

Rumford, Maine

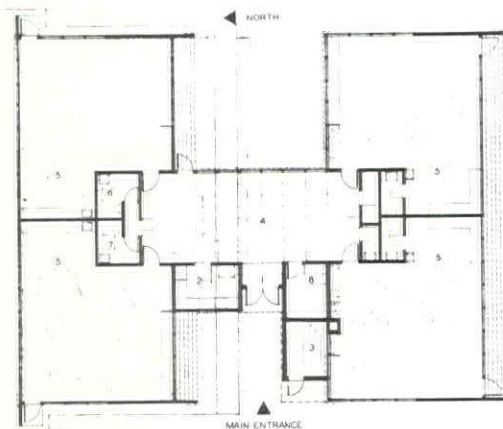


Electrical Contractor

for

GORHAM ELEMENTARY SCHOOL

Goshen - Lempster School



DESCRIPTION:

In 1953 the Architects started working with the two towns separately and presented, at several meetings, a design for a cooperative school to replace several small one room schools in both towns. The original site was not used since a magnanimous gift by Mr. Cragin of the School Board provided a far better one. Construction was started from plans essentially the same as originally submitted, soon after the towns voted to become a cooperative school district. The school was completed in February 1957.

Replacing the old school's small entrance and coat room, usually full of the winter's supply of wood for the stove, is a generous entrance combined with an activity area in which lunch is

served, group activities and community meetings can be carried on. As a startling change from the wood stove with the hot lunch in glass jars heating in a pan of water, is the shining new kitchen adjacent to the activity room.

Four classrooms with baseboard heating and well lighted bi-laterally, replace the dimly lit and cold rooms of the old schools. Four toilet rooms, a teacher's room and heater room complete the school.

The building is of frame construction, with slab on grade floors, covered with asphalt tile. Exterior shading is provided over south facing windows. Classrooms and the activity room have a door directly to the outside.

E. H. and M. K. Hunter, A.I.A., Architects - Hanover, N. H.

LULL AND PRESCOTT, INC., NEW LONDON, N. H.

GENERAL CONTRACTORS

Ernest E. Welch & Son

Tel. LA 6-4571

New London, N. H.

•

Electrical Contractor

for

GOSHEN-LEMPSTER SCHOOL

**Plumbing - Heating
and Ventilating
CONTRACTOR**

for

GOSHEN-LEMPSTER SCHOOL

**Laurence R. Spaulding
New London, N. H.**

Tel. LA 6-6361

LULL & PRESCOTT, INC.

Complete Building Service

NEW LONDON, N. H.

Tel. LA 6-2961

GENERAL CONTRACTOR

for

Goshen - Lempster Elementary School

(Continued from Page 29)

pupils in these rooms need not be counted in computing the number of fixtures to be installed in the general toilet rooms.

Water toilets — There should be a minimum of two water closets in each general toilet room.

		Ratio of fixtures to number of pupils
Girls	Grades 1-8	1 — 35
Boys	" "	1 — 60
Girls	" 7-12	1 — 45
Boys	" "	1 — 100
<i>Urinals</i>		
Boys	All grades	1 — 30
<i>Lavatories</i>		
	All grades	1 — 60
<i>Drinking Fountains</i>		
	All grades	1 — 75

Drinking fountains should not be located in toilet rooms. It is desirable to provide a drinking fountain in each elementary classroom. See New Hampshire State Department of Health requirements for drinking fountains.

Heights for nozzles of drinking fountains should be as follows:

Kindergarten and primary grades	24"
Upper elementary	28"
Junior high	32"
Senior high	36"

Larger classrooms are needed for elementary children than were considered adequate during the pre-war period. Educators consider a room of 800-900 square feet essential for good instruction. Some communities are providing rooms of 1,000 square feet for an elementary group. This recommendation, however, changes for the secondary school, where both large and small classrooms are needed. Today in the secondary school there appears to be a need for large teaching areas where as many as 80-100 pupils can be assembled in one room for a special activity. This presents serious problems to the architect in order to provide adequate natural and artificial lighting, control of sound and ventilation. Lower ceilings are now accepted practice and serve satisfactorily if the classrooms are evenly lighted and proper precautions given to ventilation and sound control.

(Continued on Next Page)

"tailor-made" **FIDELITY, SURETY**
and **BURGLARY**
coverages demand a
SPECIALIST



also writing: Reinsurances •

- Fire and Inland Marine •
- Casualty and Liability Lines •
- Accident and Health • Specialized
- Lines and Excess Covers

Too little consideration has been given to adequate storage space for the regular school supplies, custodial equipment, cafeteria supplies and a suitable space for the maintenance work to be done. This is a natural outcome of trying to get all the classroom space possible for the pupils on a very limited budget. We are now faced with problems of where to store the power lawn mower, floor cleaning equipment and the stage scenery waiting for the next student play.

Little use can now be made of the boiler room since it frequently opens directly out of doors and is not warm or large enough to serve as a janitors' work room.

Probably no problem is more serious with the school custodian than the disposal of waste materials. An incinerator is very important for the disposal of paper and combustible materials and should be planned for the new building. In locating the incinerator special consideration should be given to the possible fire hazards and changes in the fire insurance rates.

Starting now and extending for a decade there will be many critical and perplexing problems facing communities in the planning of secondary schools. The schools planned and built today will have a pronounced effect on the program to be offered. The buildings provided for elementary children are relatively simple in comparison with the type or problems to be faced for the secondary school. Not only must schools be planned to accommodate an increasing enrollment but must meet such factors as the increasing holding power of these schools, higher compulsory attendance laws, changes in the curriculum and shifts in population. The secondary school is now everyones' school. The adaptation of making the building fit the present program and changes to come create a serious challenge to the architect, school building

committee and the school administrator. It is impossible at this time to describe the future program but there are certain criteria which should be observed before any secondary school building program is planned.

- (1) It is impossible to operate an effective secondary program with less than 300-400 pupils. This specifically helps to define the size of the school plant and the space that must be provided.
- (2) The self-contained classroom has proven itself as a desirable feature in the elementary school and has many features which are adaptable to the secondary plant. The core curriculum type of organization is already used in the junior high school and offers numerous possibilities for the senior high school whereby a group of students would be able to spend a major portion of the school day with one teacher.

Still another plan is designed to integrate the common learnings at the high school level and to provide each pupil at the same time with a wide variety of exploratory experiences which may result in specialization in a particular area.

Space for such activity could conceivably include a group of general purpose classrooms grouped around a resource center. Under such a plan each classroom would house a class for perhaps one-half day which would work not only in the general-purpose classroom but share the resource center with pupils from the other rooms. The resource center would provide facilities for experiences in such areas as science experimentation, hand craft and art. It is here that all the pupils working through their teachers would share in a cooperative project.

(Continued on Page 36)

PASSENGER & FREIGHT ELEVATORS

ROTARY OILDRAULIC & ELECTRIC

RESIDENCE ELEVATORS & STAIRCARS

INDUSTRIAL - HYDRAULICS

Sales - Service - Repair

444 S. Main

Nashua

Tuxedo 2-9591



(Continued from Page 35)

There are special areas in the secondary school plant that need careful attention. Some of these include:

Homemaking — The traditional courses in homemaking have given way to a more generalized program which can be called "the family-centered approach." This program includes the usual activities in food and nutrition, clothing and textiles, home nursing, home decorating, child care, home management and family relations but is taught throughout the year as a family situation. A homemaking suite which permits a teacher to present these activities as they occur in everyday life seems to make more sense than for a school to offer cooking during one year and sewing the next. Such a plan means that each homemaking laboratory must have the space and equipment for a number of activities all at the same time.

Art Rooms — The general purpose classroom with perhaps a single sink and very limited storage does not answer this need. This program will probably include modeling, ceramics, hand craft and even some drafting. Consequently an art room will need 1,000 to 1,200 square feet of space, ample storage, work benches equipped with sinks, electrical outlets (both 120 and 220 volts), and gas. Even an outside entrance can be justified in many instances.

Library — No longer is the school library a small room for the storage of books and periodicals. It is the service center of the school and as such needs special treatment. Too often the library becomes the study hall and loses many of the objectives of the functioning library. School libraries need space for research and study in a cheerful well-lighted atmosphere. Most schools in this state do not require extensive book racks and shelves for books and periodicals, and a room for the use of the person in charge to store supplies and repair books. An alcove dressed up with a built-in seat and large table is a very popular space particularly in the junior high school.

Shops — There is much confusion particularly in the smaller communities as to the type of program to be offered as practical arts for boys and girls. The traditional woodworking is giving ground to a general industrial arts program for the schools which would include such areas as leather work, electricity, metal work, graphic arts, project drawing, electron-

ics and combustion engines. Space for such a shop should include 2,000 square feet and include the usual electric service and washing facilities found in the typical shop.

Food Service — The dining area and kitchen is now one of most serious problems in school planning as it must for economy reasons be easily adapted for multi-use functions. It is readily recognized as the center for student and social activities. The dining area may be located adjacent to the student commons or lounge area. Teenagers like to eat in small groups. Consequently there should be flexibility through the informal placement of tables and chairs. The table built into the wall does not provide the type of flexibility usually needed in the secondary multi-use room. Alcoves, folding partitions, large window areas all tend to create this atmosphere.

1ST STEP TO SOUND, SUCCESSFUL BUILDING

CONSULT AN ARCHITECT

Colonial Supply Corp.

25 Union Street

MANCHESTER, N. H.

Plumbing - Heating - Mill Supplies

BORG WARNER'S HYDRALINE

Central

System Air Conditioning

HEATING — in Winter

COOLING — in Summer

Today's Trend In Building

**WE INVITE YOU TO VISIT THE
LARGEST SHOWROOM IN NEW ENGLAND**

WHOLESALE ONLY

(Continued from Page 21)

present and predicted traffic patterns, suburban migration trends and family growth estimates. The result was to build a high school for an immediate enrollment of 800 pupils but suited for ready expansion to accommodate 1,000.

According to the architect, proper outdoor facilities for physical, social and mental development require not less than five acres for an elementary school with 200 pupils, and up to twenty-five acres for a secondary school with an enrollment of 1,200. Even these figures, large as they may appear, do not make allowance for the preservation of wooded sections, rock outcrops and other natural characteristics of the terrain, the architects believe.

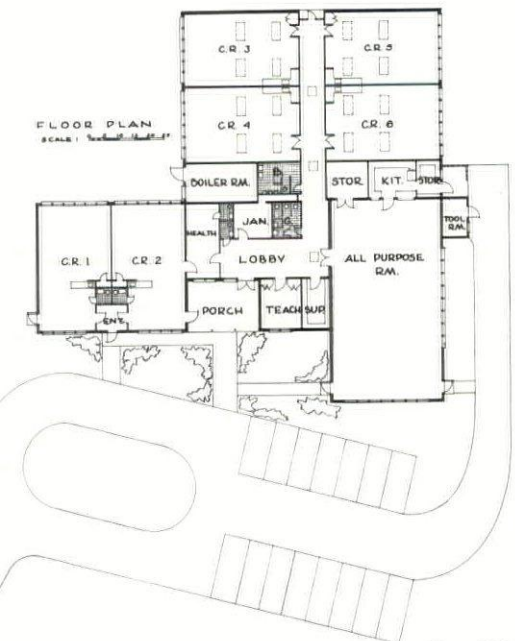
In a suburban community, where high school pupils use cars as well as school buses to come to classes, parking and loading space must be considered carefully. For example, approximately one acre has to be allocated for each 100 automobiles that pupils are expected to park during school hours.

The architects' school site score form includes items for evaluation that must





Guilford, Vermont



PER CU. FT.	\$.90
PER SQ. FT.	\$11.29

Architect - Keene, N. H.

BATTLEBORO, VT.

FACTOR

H. F. STOWELL

51 Main St.

ALpine 4-5414

BRATTLEBORO, VERMONT

Electrical Contractor

for

GUILFORD, VERMONT

Elementary School

and

Wilmington, Vt. High School

Jamaica, Vt. Elementary School

Vermont Bank & Trust Company
Brattleboro, Vt.

Alan S. Brown Book Mfg. Co.
Brattleboro, Vt.

O'BRYAN

CONSTRUCTION COMPANY, INC.

P. O. Box 605

Phone ALpine 4-5044

BRATTLEBORO, VERMONT

General Contractor

GUILFORD, VERMONT

Elementary School

John R. Holbrook, A. I. A.

WILMINGTON, VERMONT

High School

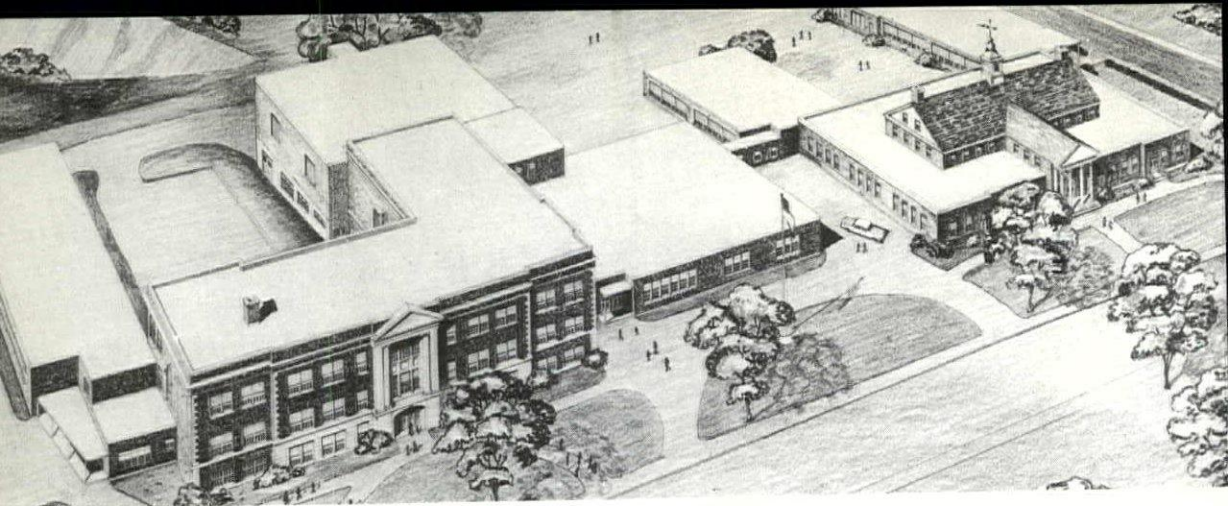
Irving W. Hersey Associates A. I. A.

FERGUSON COMPANY

25 HUNTINGTON AVENUE

BOSTON 16, MASSACHUSETTS

**Distributors of All Types of Face Brick and
Glazed and Unglazed Structural Facing Tile**



Hanover High School - Hanover

DESCRIPTION:

Additions to High School Buildings are composed of three units:

1. New classroom, laboratory and library wing.
2. A new gymnasium with shops and arts and crafts facilities underneath.
3. A new cafeteria, kitchen and music room between the High School and Elementary School for the use of the entire school system.

Alterations in the present buildings provide for new home making rooms, boys and girls locker and shower rooms, and language and business education suites in the High School Building; Enlargement of the administrative suites in both the High and Elementary Buildings and new health units in both buildings.

Foundations poured concrete, exterior walls are brick face with cinder block backup. Interior partitions, in general, are cinder block painted except in the locker and shower rooms where glazed tile is used. Floors are reinforced concrete slab on grade or concrete slab on steel joists and steel centering. Gymnasium floor is steel and wood frame with hardwood finish. Floor finish in other areas is asphalt tile except toilets and showers which are ceramic tile. Roof frame throughout is steel joists with steel deck, rigid insulation and built up roof. Ceilings are acoustical tile except in toilets and shower rooms where they are plastered. All sash are steel. All

interior door frames are steel and interior doors are slab.

Plumbing includes an extension of the present city water supply and the present town drainage facilities. All plumbing fixtures are standard quality and there is a recirculating hot water system.

The heating installation includes an additional boiler in the present boiler room which is cast iron, automatic oil fired burning #6 oil with individual pneumatic control in all areas. All classrooms, laboratories, library, locker rooms, gymnasium, cafeteria, music room are supplied with heat by unit ventilators. Shops, offices, toilets, etc. have direct radiation, convectors or unit heaters.

Under the electrical contract, a complete new service with transformer vault was installed for the High School plant with new program clock system. Empty conduits provide for future sound and television system. Fluorescent light fixtures in all instructional areas and incandescent fixtures elsewhere.

Educational consultants — Engelhardt, Engelhardt, Leggett and Cornell, New York City.

Mechanical engineers — Hubbard, Tracey and Blakeley, Boston, Mass.

ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
GENERAL CONTRACT.....	\$373,508.83	63	\$ 6.82	.47
PLUMB., HEAT., VENT.....	162,627.81	28	2.98	.21
ELECTRICAL.....	55,232.39	9	1.01	.07
COST OF ADDITIONS.....	\$591,369.03	100	\$10.81	.75
ESTIMATED COST OF ALTERATIONS.....	34,863.00			
TOTAL COST OF BUILDING.....	\$626,232.03			

TOTAL VOLUME: 786,403 cu. ft.—FLOOR AREA: 54,705 sq. ft.—DATE OF BIDS: November 14, 1956—CEILING HEIGHTS: Classrooms and Cafeteria: Approximately 10'-0", Gymnasium: 21'-0", Shops: 11'-4".

Hudson and Ingram, A.I.A., Architects, - Hanover

CHARLES J. FISKE, WOODSTOCK, VT.

GENERAL CONTRACTOR

**- Plumbing - Heating -
- Ventilating -**

Installed At
**Hanover
High School**

By
**Fitzmorris Plumbing
and Heating, Inc.**

WHITEFIELD, N. H.
Tel. 7-2503

**FRANK T. CODY CO.
Electrical Contractors**

HANOVER, N. H.
Phone Hanover 720

ELECTRICAL CONTRACTORS
for
HANOVER HIGH SCHOOL
ADDITION
HANOVER, N. H.

CHARLES J. FISKE

GENERAL CONTRACTOR

76 RIVER ST. **WOODSTOCK, VERMONT** PHONE 218

General Contractor

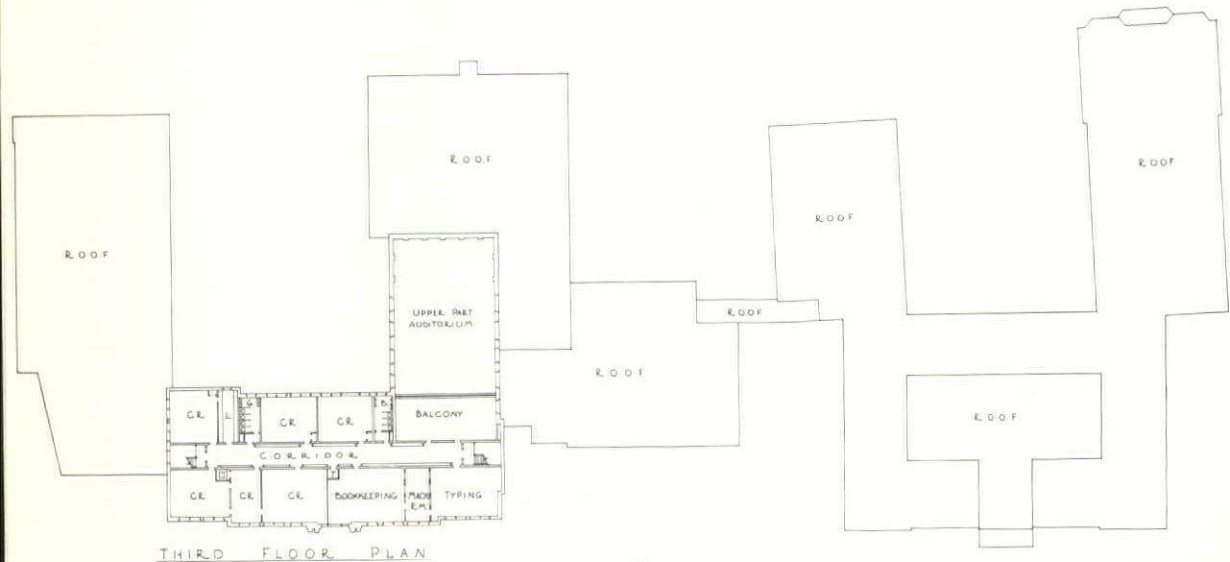
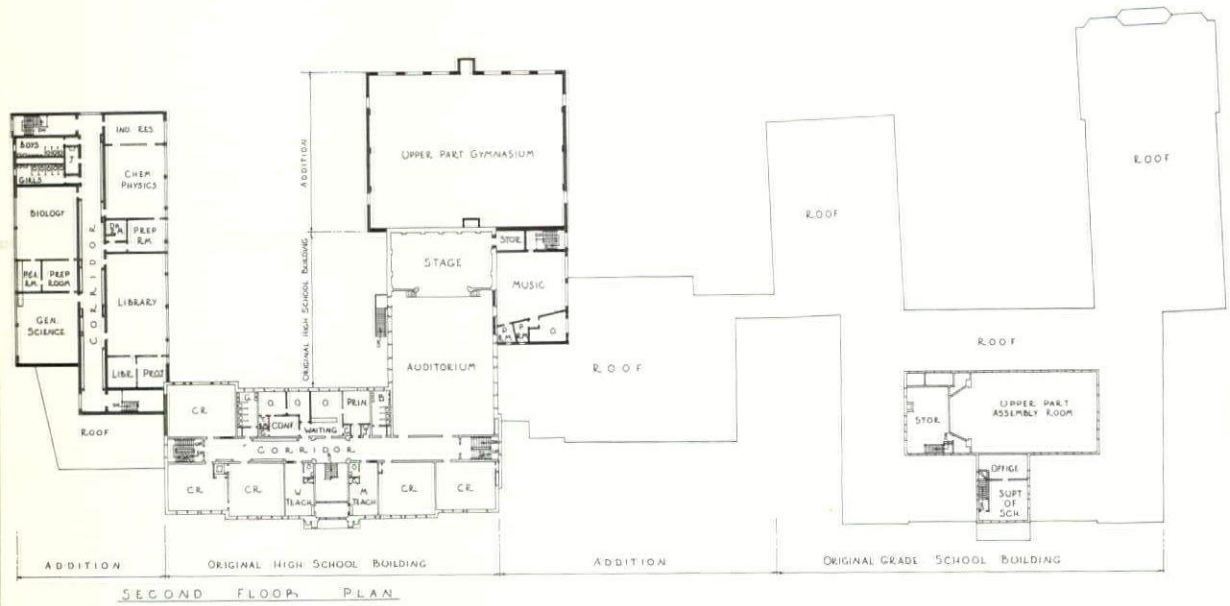
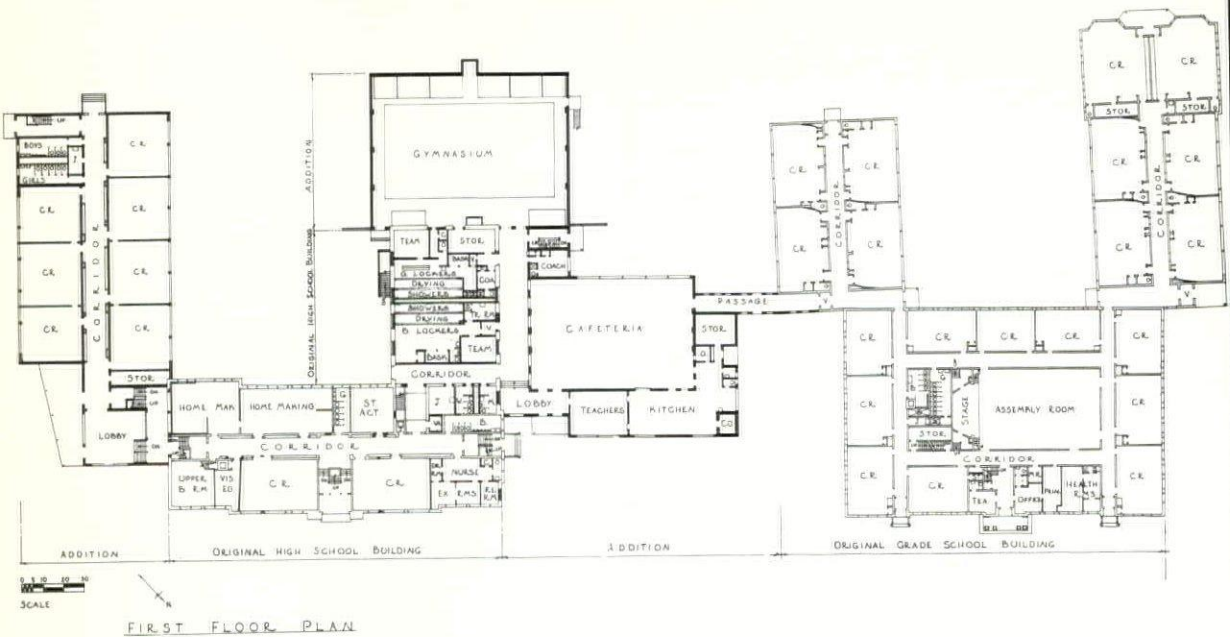
HANOVER HIGH SCHOOL ADDITION

BUILDERS OF MANY FINE SCHOOLS

— Including —

Bristol, Vermont, Elementary School
Stowe, Vermont, Grade School and Gymnasium
North Haverhill School

Plans - Hanover High School



We have supplied

the MILLWORK

for

the Hanover High School,

the Rochester Elementary School,

and many other

fine New Hampshire buildings.

COLE'S MILL, INCORPORATED

LITTLETON, NEW HAMPSHIRE

Lit. 4-3391

Member Architectural Woodwork Institute

Roofing Contractor

Hanover High School - Hanover, N. H.

Elementary School - No. Haverhill, N. H.

MAJOR L. RODD CO.

WILLIAM G. RODD, OWNER

Pioneer 8-4555

2 Perkins St. St. Johnsbury, Vt.

Sheet Metal Work • Koppers • Gold Bond

Rock Wool Insulation • Bonded Roofs

The New STAINLESS KITCHEN

at

Hanover High School

by

HUMPHREYS, INC.

180 No. Main Street - Concord, N. H.

A Business Devoted To Those
Who Serve Food

**REFRIGERATION
DISTRIBUTORS
FOOD SERVICE
CONSULTANTS**

Post PRODUCTS

INCORPORATED

253 Auburn Street

AUBURNDALE, MASSACHUSETTS

Takes Pride in the

Attractive and Economical

ACOUSTIC CEILINGS

of

U. S. GYPSUM "A U D I T O N E"

Installed in the

HANOVER and MEREDITH

SCHOOLS

(Continued from Page 37)

Based on the site comparisons and the resulting recommendation by the architects, the board of education approved the purchase of a centrally located tract of 110 acres for \$25,000. Although only thirty acres would be required for immediate construction, the board took the view that the extra land would be a wise investment, especially because other available parcels were smaller and higher priced.

Before the community voted to ratify the purchase plan, the architects were called upon to aid the board of education in acquainting the citizenry with reasons for buying so large a tract.

The gently rolling terrain, often looked upon as a detriment in school construction, was utilized by the architects in laying out the school plan. Instead of costly grading and leveling, the architects

decided to place the buildings on different levels.

Pupils may pass from one level to another on covered walkways. The relatively flat areas were designated for athletic fields and play areas.

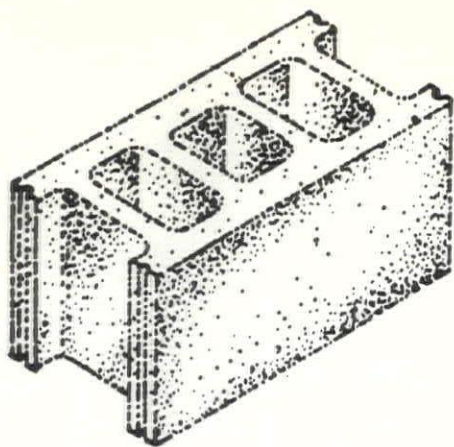
The campus plan of separated one-story structures enabled the designers not only to fit buildings on uneven terrain, but also to effect other economies. The layout eliminates educationally useless space such as foyers and corridors. The plan also makes it possible to isolate groups of classrooms for better organization and learning conditions, to endow each building with maximum light and air, and to facilitate future expansion.

The architects estimate that the construction bill for the school was at least \$236,000 less than it would have been for a structure built along conventional lines.

SCHOOL SITE SCORE CARD

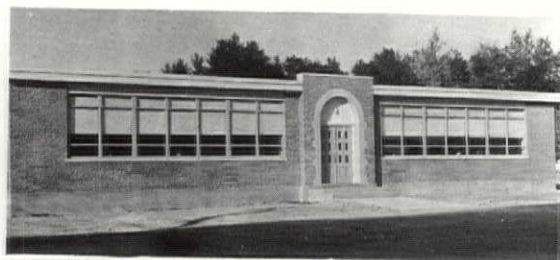
School:

Date:		Site	Site	Site	Site	
A.	Physical Characteristics — 40 points	Standard	1	2	3	4
	1. Amount of usable land	15	.....	.....	.....	.....
	2. Adaptability of shape, contour and orientation to needs	10	.....	.....	.....	.....
	3. Elevation and drainage	10	.....	.....	.....	.....
	4. Character of soil	5	.....	.....	.....	.....
B.	Environment — 25 points					
	1. Cleanliness and quiet of surroundings	12	.....	.....	.....	.....
	2. Freedom from nearby hazards (railroads, flying fields, busy highways)	8	.....	.....	.....	.....
	3. Attractiveness	5	.....	.....	.....	.....
C.	Accessibility — 20 points					
	1. Safety and convenience of approach	10	.....	.....	.....	.....
	2. Centrality in contributing area	6	.....	.....	.....	.....
	3. Convenience for community use	4	.....	.....	.....	.....
D.	Service — 15 points					
	1. Electricity	8	.....	.....	.....	.....
	2. Drinking water	4	.....	.....	.....	.....
	3. Water pressure	1	.....	.....	.....	.....
	4. Sewage facilities	1	.....	.....	.....	.....
	5. Fire company service	1	.....	.....	.....	.....
	TOTAL	100				



BES-STONE

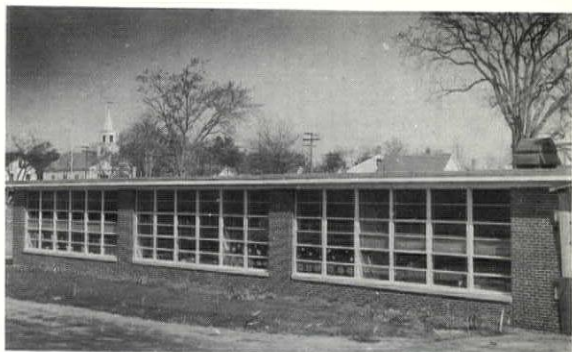
Masonry with Beauty, Character and Individuality



GOFFS FALLS SCHOOL
Built in 1957 with BES-STONE
Swanburg Construction Co.
General Contractor

FORMBLOC

The Least Expensive Insulated Reinforced Concrete



PELHAM SCHOOL
Built with FORMBLOC
David W. Davison,
General Contractor
Roland S. Simons, A. I. A.
Architect

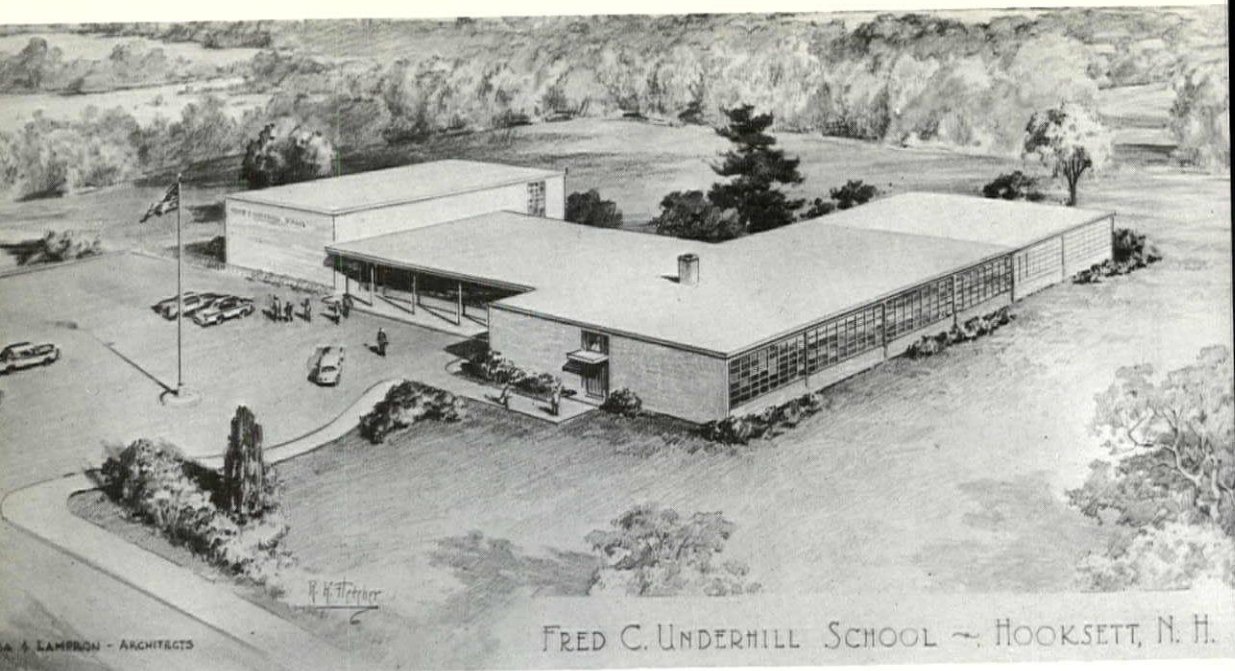
NORLITE

Light Weight, Low Cost Masonry



HOOKSETT SCHOOL
Now under construction with
BES-STONE & 24" NORLITE
S. E. Laperle & Sons, General Contractor
Dirsa & Lampron, A. I. A., Architects

DURACRETE

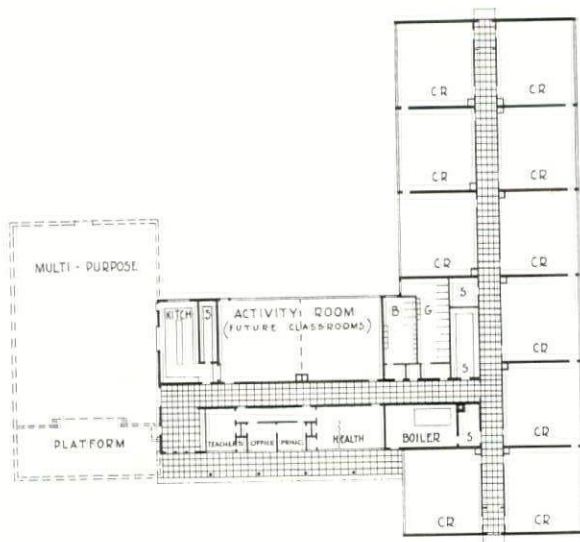


Fred C. Underhill Elementary School - Hooksett

DESCRIPTION:

Facilities provided: 10 classrooms, administrative offices, health unit, kitchen, activity room (which will be converted to two additional classrooms in the future) and all provisions incorporated in the present building for adding on a multi-purpose room at some future date. This school is fire-proof throughout and will have a four hour fire rating.

Construction data: concrete foundations, concrete floor slab, Bes-Stone and Norlite block exterior walls, Norlite block interior partitions, asphalt tile floor finish, acoustical plaster ceilings, poured-in-place gypsum roof slab on steel joists, 20-year tar and gravel roof, aluminum windows, zoned forced hot water heat, mechanical exhaust ventilation, fluorescent lighting in classrooms and incandescent lighting elsewhere.



ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$139,903.00	77.0	\$ 8.00	\$.61
PLUMBING.....	9,871.00	5.4	.56	.04
HEATING & VENTILATING.....	20,847.00	11.5	1.19	.09
ELECTRICAL.....	11,163.00	6.1	.63	.05
TOTAL COST OF BUILDING.....	\$181,784.00	100.0	\$10.38	\$.79

HEIGHTS: 11'-1"—VOLUME: 227,552 cu. ft.—AREA: 17,504 sq. ft.—
DATE OF BID: September 30, 1957.

Dirsa and Lampron, A.I.A., Architects - Manchester, N. H.

S. E. LAPERLE & SONS, EXETER, N. H.

GENERAL CONTRACTOR

**Plumbing - Heating
and Ventilating
at
Hooksett
Elementary
School**

Installed By

C. L. Lurvey & Company

Plumbing, Heating, Ventilating and
Sprinkler Contractors

Chestnut Hill Road
Rochester, N. H. Tel. 1105

S. E. LaPERLE and SONS

General Contractors and Builders

Exeter, N. H.

PR. 2-3561

2-3010

General Contractor

FOR

FRED C. UNDERHILL SCHOOL

Hooksett, N. H.



"Steel When You Want It"

LYONS IRON WORKS, Inc.

STEEL STRUCTURES DESIGNED AND FABRICATED
ARCHITECTURAL AND ORNAMENTAL IRON

Office and Works

MANCHESTER NEW HAMPSHIRE

It was our privilege to furnish the STEEL
for the Construction of the following Schools

ROCHESTER ELEMENTARY
HOPKINTON ELEMENTARY
BARNSTEAD ELEMENTARY
DAME ELEMENTARY (Concord)
SALEM ELEMENTARY

LEDGE STREET (Nashua)
HOOKSETT ELEMENTARY
STRATHAM ELEMENTARY
GILFORD ELEMENTARY
HUDSON PAROCHIAL

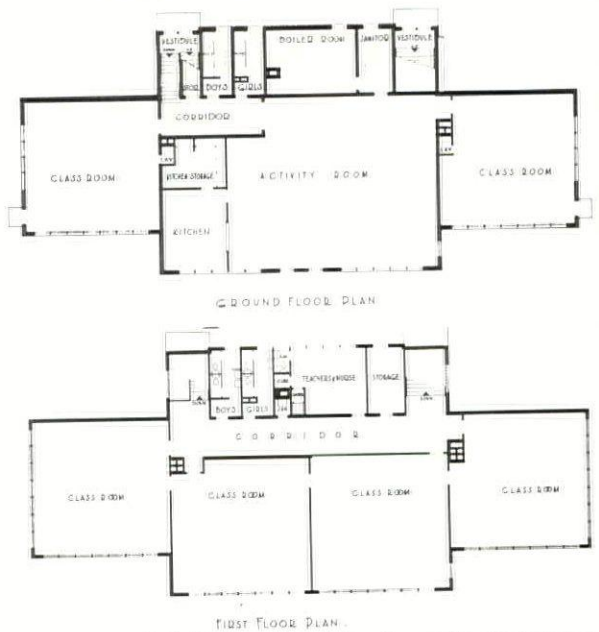
LISBON FALLS, MAINE, ELEMENTARY

Elementary School - Hopkinton

DESCRIPTION:

Because of site conditions a two story design was selected. The structure was designed for future expansion and the present mechanical and electrical systems were sized to care for additional classrooms.

Concrete foundations; Natco Tex-Dri exterior walls with cast stone trim; cinder concrete block interior partitions; all interior wall surfaces painted; reinforced concrete stairs; ground floor concrete on grade; first floor over classrooms Corruform and concrete slab on steel joists; reinforced concrete slab over service rooms; steel roof deck on steel joists; 1½" rigid insulation and tar and gravel roofing on steel deck; acoustical tile ceilings under steel joists; steel door frames; metal and wood doors; asphalt tile and ceramic tile flooring; composition chalkboard and cork tackboard with aluminum trim; aluminum sash; wood activity benches; movable wardrobe units and steel storage cabinets; metal toilet partitions; pressurized water, foam and CO₂ fire extinguishers; automatic ventilation; forced hot water heat with individual room controls; 6670 gallon oil storage tank buried; fluorescent lighting for classrooms, incandescent elsewhere; plumbing includes group toilets, toilets in two classrooms and teachers' room, shower in teachers' room, lava-



tory and drinking fountain in each classroom, stainless steel kitchen sink; two custodian's sinks; (septic tank and sewage disposal bed not in contract); incinerator in boiler room.

ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$86,425	75.2	\$ 8.48	\$.73
PLUMBING & HEATING.....	23,575	20.5	2.31	.20
ELECTRICAL.....	4,998	4.3	.49	.043
TOTAL COST OF BUILDING.....	\$114,998	100.0	\$11.28	\$.973

VOLUME: 118,225 cu. ft.—FLOOR AREA: 10,195 sq. ft.—DATE OF
BIDS: September 5, 1957.

Norman P. Randlett, A.I.A., Architect - Laconia, N. H.

R. E. BEAN CONSTRUCTION CO., INC., KEENE, N. H.

GENERAL CONTRACTOR

MILLWORK

For

HOPKINTON ELEMENTARY SCHOOL

— Furnished by —

JOHN F. CHICK & SON, INC.

SILVER LAKE, N. H.

Tel FOrest 7-4611

AL MELANSON Company, Inc.

Roofing Contractors

for

Hopkinton Elementary, Hopkinton
St. Mary's High School, Claremont
Guilford Elementary, Guilford, Vt.
Laura S. Barnes Elementary, Lyme
Goshen-Lempster Elementary

SHEET METAL - WATER PROOFING CONTRACTORS

353 WEST ST. KEENE, N. H.
22 E. Broadway, Gardner, Mass.

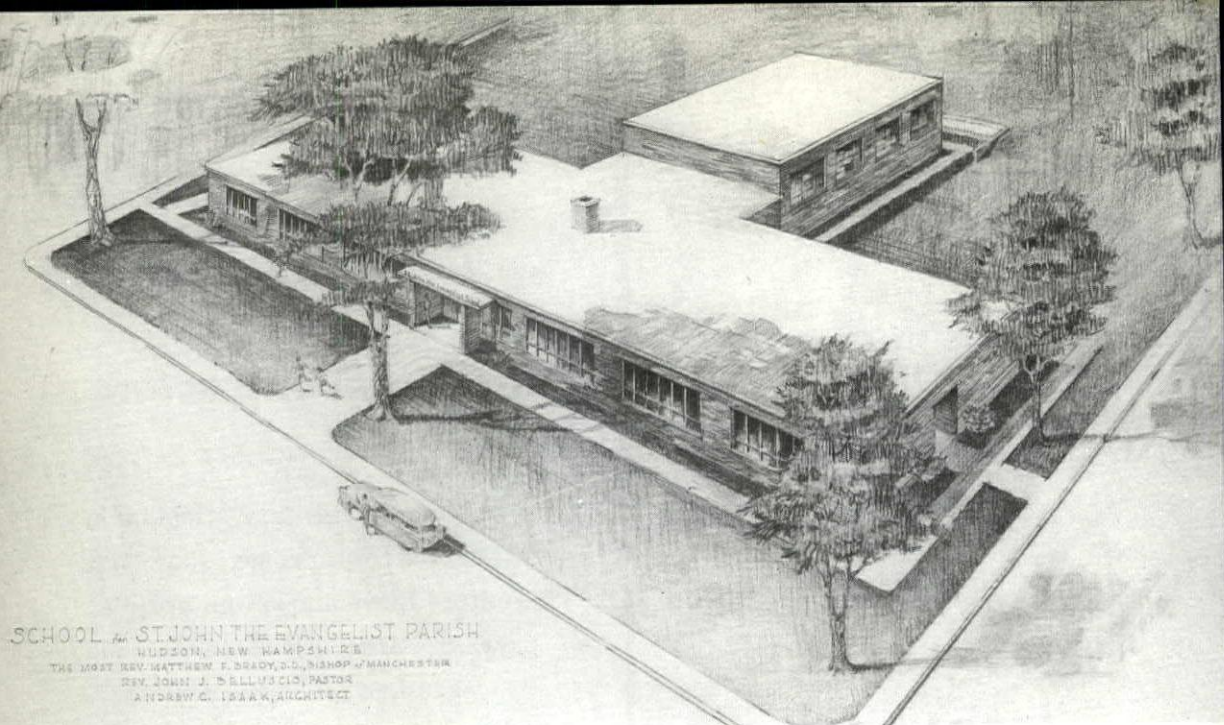
R. E. BEAN CONSTRUCTION CO., INC.

29 Island St. Keene, N. H.

GENERAL CONTRACTOR

Hopkinton Elementary School, Hopkinton, N. H.
Marlboro High School, Marlboro, N. H.

INDUSTRIAL — COMMERCIAL — RESIDENTIAL BUILDING

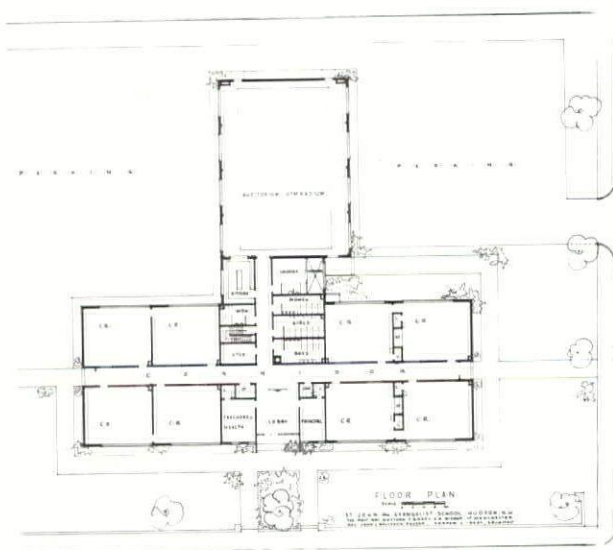


St. John The Evangelist Parish Elementary School - Hudson

DESCRIPTION:

8 class rooms; principal's office; teachers and health room; kitchen; locker and shower room; auditorium and gymnasium; men, women, boys and girls toilet facilities; toilet facilities between the first two grade classrooms to accommodate the young children. The auditorium—gymnasium has been designed to serve parish functions with a minimum of interference with the scholastic activities of the classroom wing. Parking and play areas are provided around the gym. Materials in all cases were chosen for a minimum of maintenance.

Footings and foundations, reinforced concrete; concrete block exterior walls with brick veneer; interior partitions, load bearing, concrete block; reinforced concrete floor slabs on drainage fill, conc. slab on steel joists over boiler room; asphalt tile floor finish, ceramic tile in toilets and shower rooms; acoustical tile ceilings, Keenes cement plaster in locker and shower room; roof, steel decking on steel joists, 1½" insulation on class room wing; Tectum deck on steel frame in auditorium; 20-year bonded roofs; metal door frames, solid birch doors; aluminum windows; aluminum entrances; all walls and trim painted; 3 zone forced hot water heating; roof fan exhaust ventilation; fluorescent lighting throughout, incandescent in auditorium; complete plumbing facilities.



HEIGHTS: Auditorium 18'-0"; Class Room Wing 11'-0"—FLOOR AREA: 18,028 sq. ft.—VOLUME: 288,314 cu. ft.

TOTAL COST; \$195,730.00—Cost per Sq. ft. \$10.85—Cost per cu. ft. .68.

Andrew C. Isaak, Architect, - Manchester, N. H.

CARON CONSTRUCTION CO., INC., MANCHESTER, N. H.

GENERAL CONTRACTOR

ROWELL & MILLER

Electrical Contractors

BOX 123

154 WEBSTER ST. HUDSON, N. H.

Tel. TUxedo 3-7053 - TU 3-7993 - TU 3-7098

Electrical Contractors

AT

Litchfield Elementary - Litchfield
Addition Pelham Elementary - Pelham
School for St. John The Evangelist
Parish - Hudson

FRANCIS P. CONNOR & SON, INC.

Plastering Contractor

for

SCHOOL FOR ST JOHN
THE EVANGELIST PARISH
Hudson, N. H.

HOOKSETT ELEMENTARY SCHOOL
Hooksett, N. H.

12 Euclid Ave. Dial TU 3-8106
NASHUA, N. H.

CARON CONSTRUCTION CO., INC.

General Contractors and Builders

161 BAKER STREET

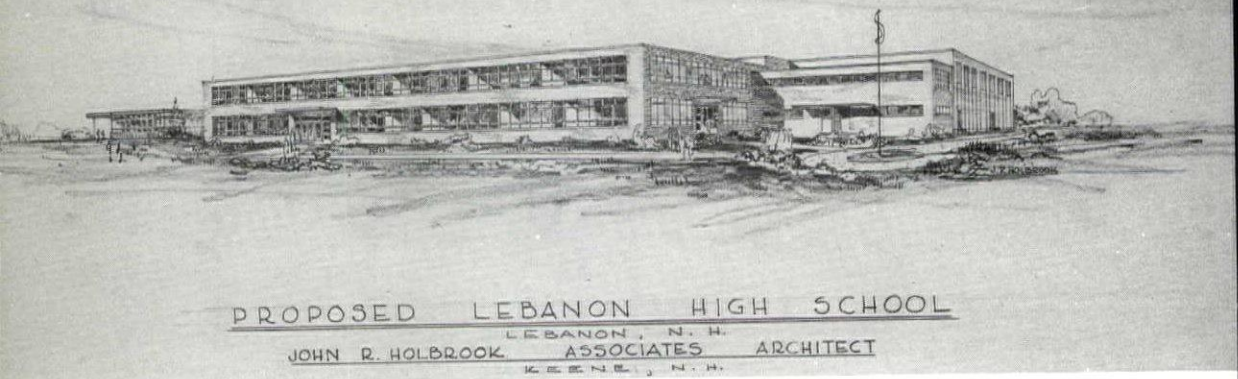
PHONES: 2-4073 — 2-8475

MANCHESTER, NEW HAMPSHIRE

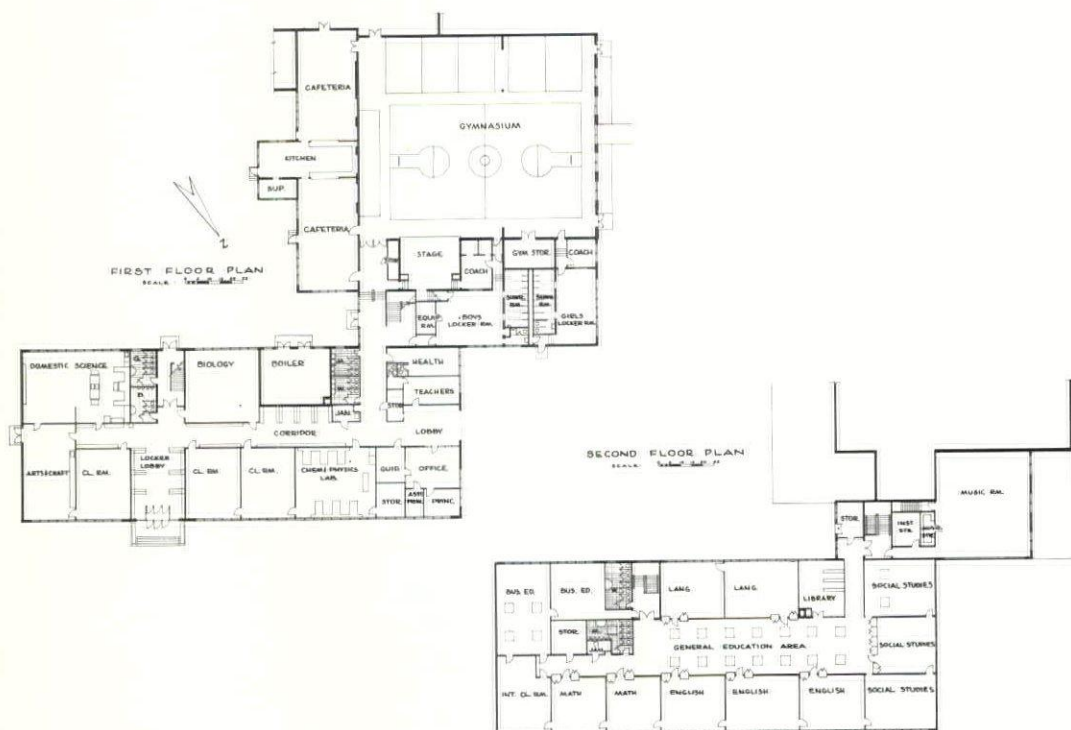
GENERAL CONTRACTORS

for

ST. JOHN THE EVANGELIST
PARISH ELEMENTARY SCHOOL
Hudson, N. H.



Lebanon High School - Lebanon



DESCRIPTION:

Reinforced concrete footings and foundation walls; structural steel frame, open web joists, 2" concrete second floor, Tectum roof deck, 20-year bonded roof. Exterior walls cinder block with brick veneer; interior walls cinder block, struc-

tural glazed tile wainscots; floors vinyl asbestos, ceramic tile, wood; ceilings acoustical tile metal suspension system. Lighting fluorescent; Heating forced hot water, 4 zones fin tube radiation, 2 oil fired package type units. Windows aluminum projected; top lighting glass block panels.

ESTIMATED COST: \$475,000—AREA: New Construction 38,000 sq. ft.—
 AREA: Alteration Work 4,000 sq. ft.—TOTAL AREA: 42,000 sq. ft.

John R. Holbrook Associates, A.I.A., Architects - Keene, N. H.

DONATI and TYLON, INC. PLAN NEW INDUSTRY

An interesting and convincing demonstration and talk were given at the Duracrete Block Company's plant at Hooksett last month by Louis K. Braunston, president of Tylon Industries Corporation.

Before an audience of architects, engineers, block, brick and building materials manufacturers, Mr. Braunston and his assistant, Henry Adams, demonstrated the spray method of applying Tylon, a cold glaze coating. On a production line basis, Tylon can be applied to cement, concrete blocks, bricks, wood, plywood, asbestos, pulp board and other materials.

Mr. Braunston pointed out that Tylon glaze, subjected to impact, adhesion, abrasive, fire resistance, chemical resistance and numerous other tests by the United States Testing Company, Inc., had passed every demand required by the building trades.

Dante Donati, president of Duracrete Block Company, Inc., is collaborating with the Tylon representatives to bring to this area a new industry equipped to offer the building materials manufacturers a new service, a new product, and new color and treatment to his lines.

Following the demonstration, Mr. Donati, Victor Kjellman and Arthur Donati of Duracrete Company, were luncheon hosts to those in attendance.

Present for the demonstration were:

Jim Coxie—Alwine Brick Co., New Oxford, Pa.
Charles Alwine—Alwine Brick Co., New Oxford, Pa.
Jack and Frank Pezza—Park Ave Cement Block, Providence, R. I.
R. H. Best—Mathews Conveyor Co., Elwood City, Pa.
Henry Adams—Tylon Inc., N. Y. C., N. Y.
Lou Braunston—Tylon Inc., N. Y. C., N. Y.
J. Ellet and Robert Keller—Keller Products, Manchester.
Gino Camossee—Camossee Bros., Auburn, Mass.
John McCall—Plasticrete Corp., Hampden, Conn.
Jack Ells—Stearns Mfg. Co., Adrian, Mich.
Chester Duhamel—Portland Cement Assn., Portland, Maine.
Dan Webster—Portland Cement Assn., Portland, Maine.
Dave Nice—Nicecrete, Langsdale, Pa.
Alex Majeski—Bedford
Louis Freedman—Mass Cement Block Co., Medford, Mass.
Jack Freedman—Mass Cement Block Co., Medford, Mass.
Romeo Champagne—"Supermarkets" Manchester.
Ralph Farmer—Merchants Bank, Manchester.
Arnold Perreton—Concord.
Paul Otis—Testing Lab: N. H. Dep't Public Works, Concord.
C. R. Potter—Gregg & Son Co., Nashua.
Bob Scott—Besser Co., Alpena, Mich.
Joe Dunn—Hume Pipe Co., Merrimack.
Randall Marden—Hermsdorf Co., Goffstown.



Dan Webster
Arnold Perreton
Jack Ells
Paul Otis
Robert Keller
R. H. Best
Randall Marden
Alex Majeski
Dante Donati
Lou Braunston
Gino Camossee
Jim Ellet
Jim Coxie
John McCall
Charles Alwine
Chester Duhamel
Dave Nice



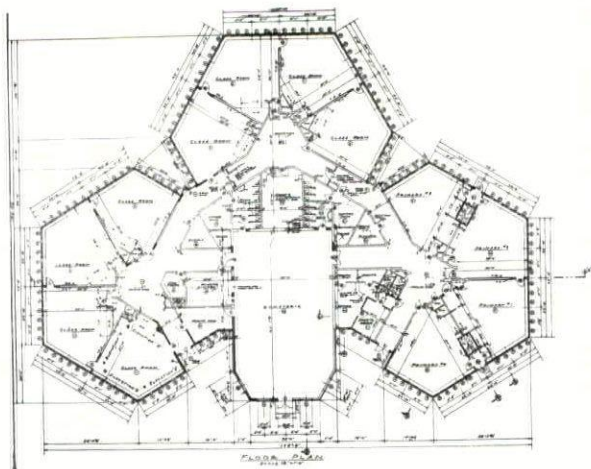
Randall Marden, Paul Otis, Chester Duhamel watch Henry Adams apply cold ceramic facing to block.



Elementary School - Lisbon Falls, Maine

CONSTRUCTION:

Foundations: Reinforced Concrete. Exterior Walls: Cinder Block, Brick Veneer, Reinforced concrete to window sills. Interior Walls: Cinder Block, Painted. Floors: Reinforced Concrete slab on grade with asphalt tile flooring, Ceramic tile in toilets and shower rooms. Ceilings: Acoustic plaster on metal lath. Roof: Construction of longspan steel over gymateria with 2" wood plank, steel with wood rafters over all other portions. Twenty-year bonded tar and gravel roofing over 1" insulation throughout. Windows: Aluminum sash and frames with directional Sun-trol glass block. Plumbing: Standard, Vitreous and A. R. Enamel, Bradley wash-fountains and showers. Heating: Zoned forced hot water, Ventilation. Electrical: Incandescent lighting, Wiring for Audio-Visual in all rooms. Features: Pentagonal classrooms permitting ideal acoustic conditions, equal distribution of daylight from light directional windows to all areas of the classrooms. Skydomes are used for lighting the corridors and toilet rooms. Separate toilet rooms and egress from all primary grades. Cabinets are continuous under all windows of classrooms. School Contains: Twelve classrooms, 1-6 grades, Principal's Office, Health Office, Supervisors' Offices, Teachers' Rooms with toilets, Kitchen, Combination Cafeteria and all-purpose room.



ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$112,561.00	72.2	\$5.70	\$.505
PLUMBING.....	7,940.00	5.2	.40	.04
HEATING & VENTILATING.....	21,868.00	14.2	1.10	.105
ELECTRICAL WORK.....	8,726.00	5.6	.44	.035
SPRINKLERS.....	3,360.00	2.8	.21	.015
TOTAL COST OF BUILDING.....	\$154,455.00	100.0	\$7.85	\$.70

TOTAL VOLUME: 222,000 cu. ft.—TOTAL AREA: 19,800 sq. ft.

Maurice E. Witmer, A.I.A., Architect - Portsmouth, N. H.

R. RUSSELL HUSTON, LISBON FALLS, MAINE

GENERAL CONTRACTOR

'58 TO BE GOOD YEAR

**MAGAZINE SEES CONSTRUCTION
VOLUME AT NEW HIGH
OF \$48.7 BILLION**

NEW YORK, N. Y.—1958 will be a good year for builders, reports Architectural Forum. The building magazine's annual forecast sees dollars spent for new construction edging up about 3 per cent to a record high of \$48.7 billion next year. Author of Forum's forecast is Washington construction economist Miles L. Colean.

However, Forum expects parts of the construction picture to be weaker. In the commercial-industrial sector the outlook is for a 4 per cent dip. The climb in office construction will level, and store building will continue to decline.

But a rise of almost 9 per cent in public building should more than make up for dips in private activities, according to Forum, with the result that physical output will climb. Public construction—about 78 per cent of it by state and local

government—is expected to top \$15.4 billion. Only military building will show a decline in this category.

Other building fields that will show increases include churches, schools, hospitals and utilities. In fact, says Forum, "the boom in religious buildings probably makes this the greatest church building era in history."

"Construction is the reflector, rather than the generator, of general business conditions" notes the magazine. There is no question that construction costs today are high . . . and clearly, construction has not been increasing its productivity sufficiently to make up for the mounting cost of labor. But during 1958, costs should show greater stability and materials prices will give little or no push to the cost index.

Credit will still be a problem in 1958 though not as great a one as in 1957. In the main, problems of costs and credit will leave their heaviest marks in the private sector of building.

"It won't be a terrific year for building, but it will be good" the editors conclude.

IN SCHOOLS, THEY CALL IT

"CHILDPROOF" PLEXTONE

and no wonder! This new multicolored paint is stain-mar-grease-scratch-chip resistant!



SCHOOL AUTHORITIES find this new multicolored decorator finish easy on the budget. It resists wear, soil . . . and rambunctious youngsters. SCHOOL ARCHITECTS find that PLEXTONE's uniform coverage on different types of low-cost surface materials gives them new styling resources.

CHILDREN'S HAND PRINTS ARE NO PROBLEM ON PLEXTONE SURFACES. COLOR-FLECKED PLEXTONE TENDS TO HIDE THEM. IF WASHED AWAY THE SURFACE COLOR IS NOT CHANGED.

PLEXTONE Can Be Applied On Cement, Cement Block, Wood, Steel, Cinder Block, Glass, Plaster or any other Building Material Surface Without Exception.

DISTRIBUTED BY


ROYAL
PAINTS

Manchester, N. H.

Tel. NA 2-5262

Office and Warehouse

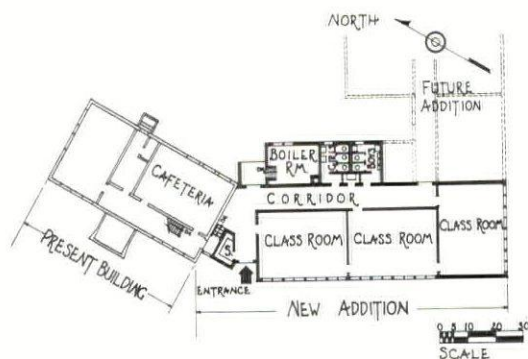
55 Nelson St.



LITCHFIELD, NEW HAMPSHIRE ADDITION TO ELEMENTARY SCHOOL

CONSTRUCTION:

EXTERIOR WALLS: Concrete block with brick facing. INTERIOR WALLS: Concrete block, painted. CEILINGS: Acoustical units. FLOORS: Reinforced concrete slab with asphalt tile flooring. ROOF: Douglas fir roof rafters, boarding with insulation and 20 yr. bonded tar and gravel. WINDOWS: Structural wood sash. HEATING: Vented return type (steam). PLUMBING: Standard Grade School size. ELECTRICAL FIXTURES: Incandescent.



FLOOR PLAN

COSTS:

	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$25,500.00	62	\$5.94	\$.38
PLUMB., HEAT., VENT.....	13,400.00	33	3.26	.21
ELECTRICAL.....	2,100.00	5	.51	.03
TOTAL COST OF BUILDING.....	\$41,000.00	100	\$9.71	\$.62

TOTAL VOLUME: 68,840 cu. ft.—FLOOR AREA: 4,115 sq. ft.—DATE OF BIDS: May, 1955—FLOOR HEIGHTS: 10'-8" to 11'-8".

ALFRED T. GRANGER Associates, A. I. A.
Architects and Engineers - **Hanover, N. H.**

GENERAL CONTRACTOR: Adrian Labrie, Litchfield, N. H.

ERNEST E. NICHOLS

2 Sheridan St. Tel. TU 2-3791
NASHUA, N. H.

Plumbing - Heating
Sprinkler Installation
Industrial Maintenance
Oil Burner Sales and Service

Plumbing Contractor

Litchfield Elementary School

PLUMBING AND HEATING

Nashua Wholesale Grocers

Hollis School

New Boston School

Royal Register Co.

Johns Manville Plant

E. W. & P. B. CURRIER

Amesbury, Mass.

TEL. 411



We Were

General Contractors

Newton Elementary — Newton, N. H.

Sandown Elementary — Sandown, N. H.

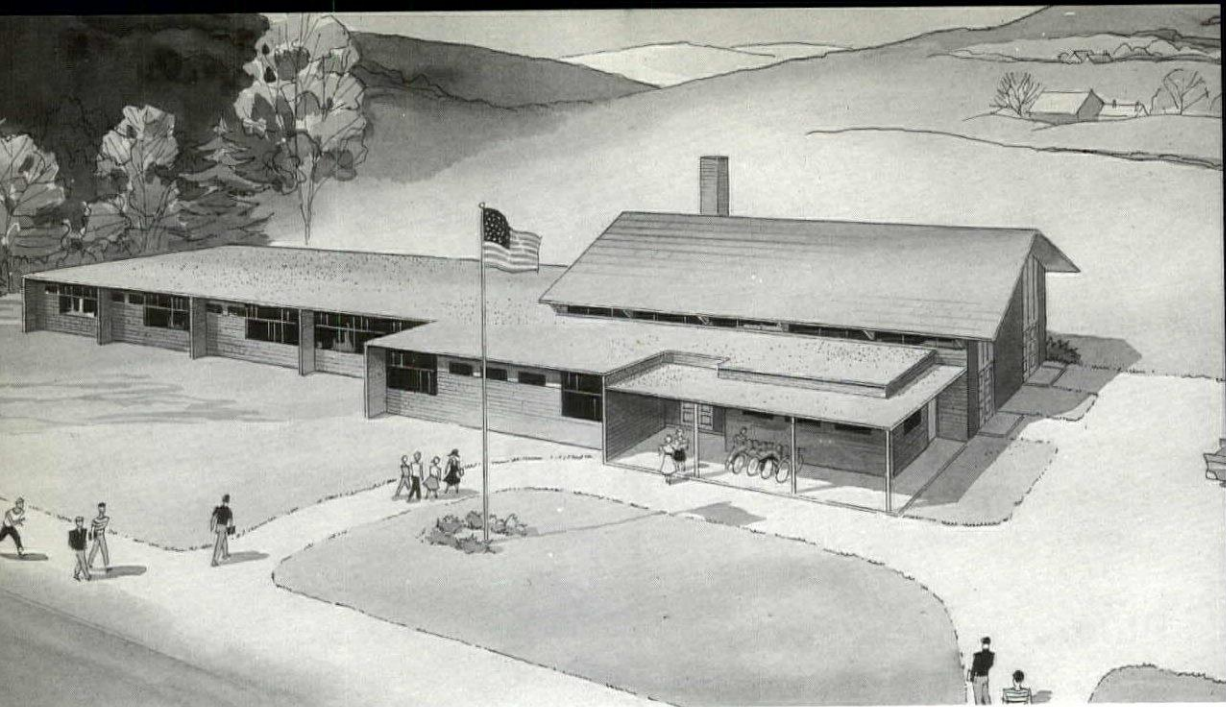
Kensington Elementary — Kensington, N. H.

SPAULDING BRICK CO., Inc.

NEW ENGLAND DISTRIBUTORS

**All Kinds of Face and Common Brick
and Facing Tile**

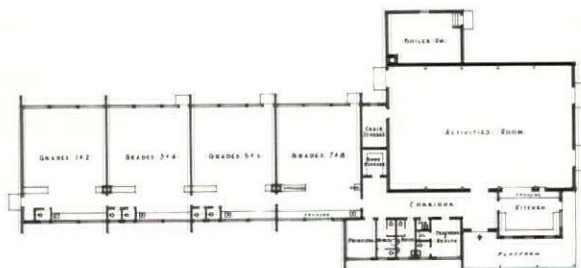
**34 Gloucester Street
BOSTON 15, MASSACHUSETTS
KENmore 6-0320**



Laura Smith Barnes School - Lyme

DESCRIPTION:

FOUNDATIONS: Concrete. **FLOORS:** Reinforced concrete slab on gravel. **EXTERIOR WALLS:** Concrete block faced with brick. **INTERIOR WALLS:** Concrete block. **FRAMING:** Laminated wood beams with 3" wood deck over Class Rooms. Laminated wood arches with 4" wood deck over Activities Room. **ROOF:** 20-year bonded tar and gravel over Class Rooms. Asphalt shingles over Activities Room. **CEILINGS:** Acoustic tile over Class Rooms. Natural wood over Activities Room. **WINDOWS:** Prefabricated wood units. **FLOORS:** Asphalt tile. **HEATING:** Oil; forced hot water; continuous convectors under Class Room windows; console unit heaters in Activities Room. Forced exhaust. **PLUMBING:** Well water. Septic tank and 3 leaching cesspools. **ELECTRIC:** Fluorescent fixtures.



Basis of Contract: Cost plus Fee. Construction 95% completed October 22nd, 1957.

<i>ESTIMATE TO COMPLETION</i>	<i>Cost</i>	<i>% of Total Cost</i>	<i>Cost Per Sq. Ft.</i>	<i>Cost Per Cu. Ft.</i>
STRUCTURE.....	\$71,013.00	74.2	\$ 7.58	\$.58
PLUMB., HEAT., VENT.....	19,000.00	19.8	2.03	.155
ELECTRICAL.....	5,687.00	6.0	.61	.045
TOTAL COST OF BUILDING.....	\$95,700.00	100.0	\$10.22	\$.78

TOTAL VOLUME: 121,955 cu. ft.—TOTAL AREA: 9,362 sq. ft.

W. Brooke Fleck, A.I.A., Architect, - Hanover, N. H.

MILLARD ULINE, LYME, N. H.

GENERAL CONTRACTOR

**We Were
Electrical Contractors**

on the

**Laura Smith Barnes
Elementary School
Lyme, N. H.**



NORWICH ELECTRIC

Electrical Contracting Appliances

Norwich, Vermont

Phone 1192

MILLARD R. ULINE

LYME, NEW HAMPSHIRE

Tel. PYramid 5-6861



General Contractor

for the

**Laura Smith Barnes
Elementary School
Lyme, N. H.**

TIMBER STRUCTURES, INC.

Head Office and Plant:

P. O. Box 3782, Portland 8, Oregon

Manufacturers of Glued Laminated
Structural Timber Beams and Arches
1957 — 28th Year.

Central Elementary School, Guilford, Vt.

JOHN R. HOLBROOK • ARCHITECT

- ALL-PURPOSE ROOM ROOF BEAMS

Elementary School, Lyme, N. H.

W. BROOKE FLECK • ARCHITECT

- CLASSROOM ROOF BEAMS
- ACTIVITIES ROOM ARCHES

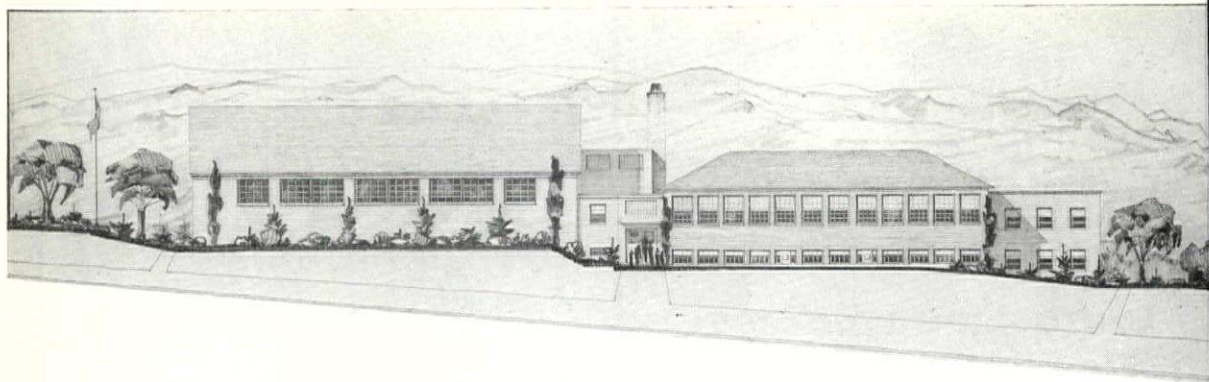
REPRESENTED BY:

Arthur Jacobson Co., Inc.

45 NEWBURY ST.

BOSTON 16,

COMMonthwealth 6-5334

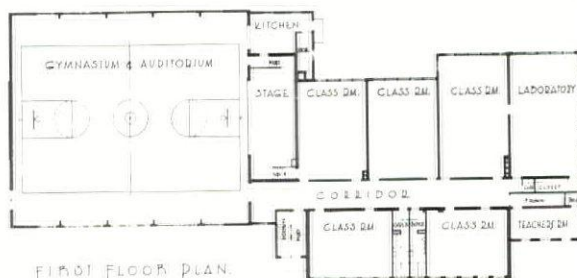
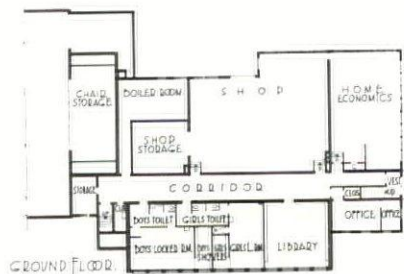


High School - Marlboro

DESCRIPTION:

The project included remodeling and making a large addition to a small existing school to form a new high school plant.

Poured concrete footings, concrete block and reinforced concrete foundation walls; exterior walls reinforced concrete and cinder blocks; interior partitions cinder blocks, all walls painted; ground floor and gymnasium floor concrete on grade; upper level classroom floors wood joists with plywood sub-flooring; roof of classroom and stage wood joists, sheathing rigid insulation, tar and gravel roofing; roof of gymnasium laminated wood arches, wood purlins, matched plank, rigid insulation, asphalt shingles; acoustical tile and plaster on classroom ceilings, acoustical tile on gymnasium ceiling; steel door frames; metal and wood doors; wood asphalt tile, and ceramic tile flooring; composition chalkboards and tackboards with aluminum trim; steel sash; metal toilet partitions; pressurized water, foam, and CO₂ fire extinguishers; automatic ventilation; forced hot water heat and individual room controls with new heating in existing building; fluorescent lighting for new and existing classrooms, incandescent



elsewhere; plumbing includes that for boys' and girls' showers and toilet rooms, kitchen, home economics room, shop, laboratory, teachers' room, and janitor's closets; incinerator in boiler room.

ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$113,699	68.8	\$6.51	\$.44
PLUMB., HEAT., VENT.....	38,749	23.4	2.22	.15
ELECTRICAL.....	12,900	7.8	.74	.05
TOTAL COST OF BUILDING.....	\$165,348	100.0	\$9.47	.64

Costs include work in existing building. Area and volume do not include those in existing building.

VOLUME(as noted above): 258,130 cu. ft.—FLOOR AREA (as noted above): 17,460 sq. ft.—DATE OF BIDS: March 6, 1957.

Norman P. Randlett, A.I.A., Architect - Laconia, N. H.

R. E. BEAN CONSTRUCTION CO., INC., KEENE, N. H.

GENERAL CONTRACTOR

INDUSTRIAL
COMMERCIAL
RESIDENTIAL
PLANNING
BLUEPRINTING

Electrical Contractor

— for —

Marlboro High School

Marlboro, N. H.

PHILIP D. MORAN

Keene, N. H.

103 Winchester St.

Tel. EL 2-2215

HEATING
VENTILATING
MACHINE ERECTING
MILLWRIGHT WORK

Plumbing and Heating

— for —

Marlboro High School

RIVERS and HENRY

O. A. Rivers

R. H. Henry

KEENE N. H.

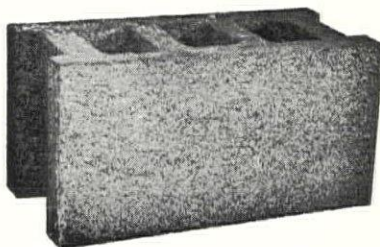
Rear 97 Main St.

Tel. 2044

M A R L B O R O H I G H S C H O O L

M A R L B O R O, N. H.

HERE is another New Hampshire School in which the architect and contractor utilized the many advantages of designing and building with concrete masonry units. A building material that is ideal for institutional, commercial, industrial or residential use.



"MONADNOCK BLOCKS"

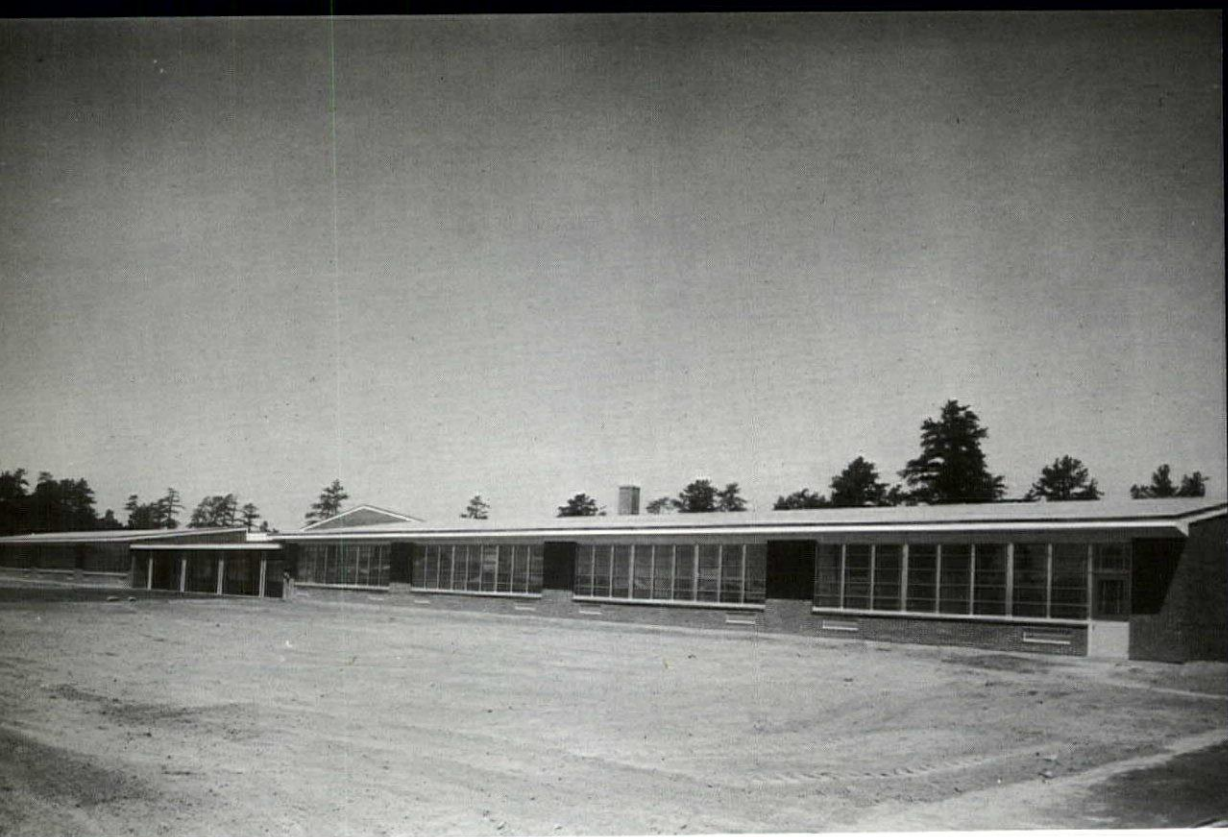
YOU ARE TRULY BUILDING BEST WHEN YOU SPECIFY CONCRETE
MASONRY UNITS MADE BY —

ARTHUR WHITCOMB, INC.

725 MAIN ST.

DIAL EL 2-0101

KEENE, N. H.



Ledge Street School - Nashua

DESCRIPTION:

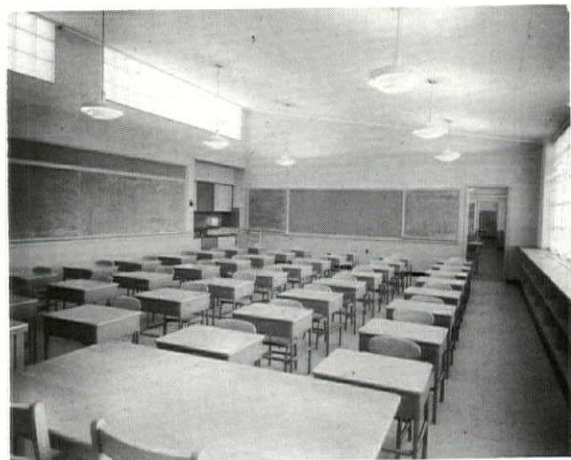
14 Classrooms, All-Purpose Room, Teachers' Rooms, Health Suite, Office, Shower Rooms, Toilet Rooms, Storage and Supply Rooms, Boiler Room.

CONSTRUCTION:

Concrete foundations and floor slabs, brick with cinder block backers, cinder block partitions, structural glazed tile in shower, toilets, corridors, steel joists with gypsum roof deck, rigid steel bents with plank roof over All-Purpose Room, built-up tar and gravel roofing, acoustical ceiling tile, asphalt tile flooring except ceramic tile in Showers and Toilets and maple flooring in All-Purpose Room, unit ventilators in classrooms, No. 5 oil-burning boiler, concentric-ring lighting fixtures in classrooms.

SPECIAL FEATURES:

Glass block clerestory lighting in classrooms, special toilet rooms for smaller children, metal cabinets with stainless steel counter and sinks in classrooms, folding tables and benches for cafeteria, incinerator, intercommunicating telephone system, kitchenette in Teachers' Room, stainless steel kitchen.



COST

\$401,246.00

Tracy and Hildreth, A.I.A., Architects - Nashua, N. H.

BLANCHARD STEBBINS, INC., MANCHESTER, N. H.
GENERAL CONTRACTOR

BLANCHARD STEBBINS, INC.



Commercial and Industrial Work

330 Lincoln Street

Dial NA 3-2273

MANCHESTER, N. H.

General Contractor

LEDGE STREET ELEMENTARY SCHOOL
Nashua, N. H.

FREDERICK A. CONNOR, INC.

LOWELL, Mass.

140 Powell Street

GLenview 4-6591

WINCHESTER, MASS.

12 Sheffield West

WI 6-2289

LATHING PLASTERING SPRAYED ACOUSTICS

KEASBEY & MATTISON'S SPRAYED "LIMPET"

- Ledge Street School, Nashua, New Hampshire
- Catholic High School, Bennington, Vermont
- Parochial School, Fair Haven, Vermont

1958 SEEN AS BIG YEAR FOR NEW MOTEL CONSTRUCTION

All future indications point steadfastly to the fact that 1958 will see the biggest year yet in new motel construction.

A good example of why the big surge in motel construction can be seen from what has already taken place at the recent Jamestown Festival at Williamsburg, Virginia. Literally thousands of tourists from all over the country were delighted with the motor court accommodations afforded them at this festival.

One such motor court, termed a show-place at the festival is the Mount Vernon Motor Court at Williamsburg, Virginia. This beautiful motor court, erected during the spring of 1957, was built to accomo-

ate many of the thousands of tourists visiting the Festival—celebrating the 350th anniversary of this country's founding. 480 squares of Donegal Green, Bird King-Tab Architect Shingles were used to protect this motor court.

Quality building materials is the by-word in the construction of today's functional motor court. That is the prime reason why the architect involved in the construction of the Mount Vernon Motor Court chose the Bird King-Tab Architect Shingle.

The new Bird King-Tab Architect roof gives an impressive expanse of color, with few vertical interruptions to the sweep of the eye. Also, the roof gives the impression that it is capped with a massive, slate-like beauty—a truly aristocratic appearance.

Photo shows the new Mount Vernon Motor Court at Williamsburg, Virginia. The motel—one of the show places at the recent Jamestown Festival is protected with 480 squares of Bird King-Tab Architect Shingles.



Plumbing - Heating and Ventilating

at

LEDGE STREET SCHOOL
(Nashua)

and

SALEM ELEMENTARY SCHOOL

WALTER J.
Parenteau, Inc.

147 Maple St.

Tel. NA 2-8130

MANCHESTER, N. H.

Glass and Glazing

For

CLAREMONT JUNIOR HIGH
NASHUA — LEDGE ST. SCHOOL
GILFORD ELEMENTARY
HOPKINTON HIGH SCHOOL
In This Issue

Other Fine Work By TRUDEL
OYSTER RIVER ELEMENTARY
WHITCOMB HIGH — BETHEL VT.
CHAPEL OF OUR SAVIOR AND
PARSONAGE, HANOVER, N. H.
N. E. TEL. & TEL. BUILDING - PETEBORO
NASHUA TRUST CO. ALTERATIONS

BY

TRUDEL GLASS CO.

Tel. NA 3-9542

449 Laydon St.,

Manchester, N. H.

Free idea booklet

HOW TO HELP HOME OWNERS



A new 64-page booklet containing complete plans for "load-matched" residential wiring systems, plus important information on how you can help your clients live better electrically. Here are some of the subjects in this booklet.

- Electric Living
- Load-matched Wiring
- Circuit Requirements
- Service Entrance
- Branch Circuit Control
- Wiring Materials
- Utilization Systems
- Selling Load-Matched Wiring

PUBLIC SERVICE COMPANY
OF NEW HAMPSHIRE
GENERAL COMMERCIAL DEPT.
MANCHESTER, NEW HAMPSHIRE

Gentlemen:

Please send me a copy of your free booklet,
"How to Help Home Owners."

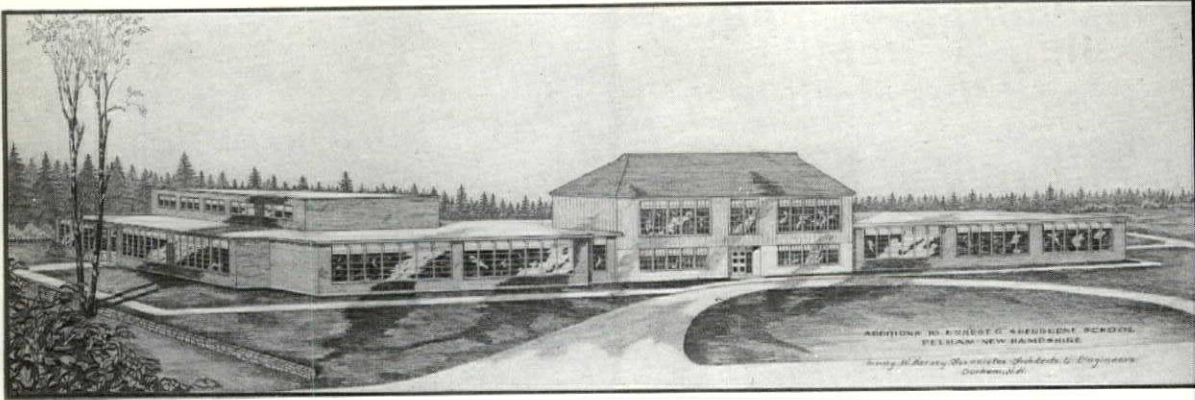
Name:

Street:

Town: State:



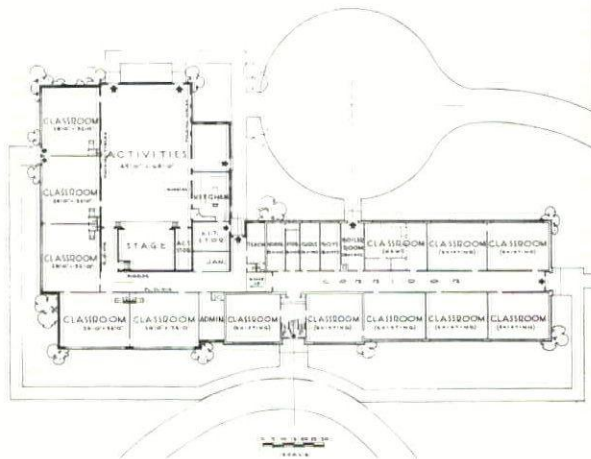
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
and NEW HAMPSHIRE ELECTRIC COMPANY



Additions and Alterations to Ernest G. Sherburne School - Pelham

DESCRIPTION:

Foundations—reinforced concrete; interior walls—brick facing with cinder tile backing; floors—dampproof concrete slabs; frame—structural steel roof frame—classroom portion, open web steel joists, activities room, steel girders with wool purlins; roof decking—classroom portion, precast insulating roof plank, activities room, wood plank with rigid insulation; twenty-year bonded roofing; interior partitions—cinder tile; interior door frames—pressed steel; floors—asphalt tile, wood and concrete; ceilings—acoustical tile, plastered and structural; windows—aluminum sash; interior and exterior doors—wood; large glazed view window in corridor. In-wall tables in activities room. Modern paint decorations and electrical system. Plumbing system contains 18 fixtures. Six (6) zone forced hot water heating systems, three in existing building and three in new addition; new boiler, forced ventilation.



ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$105,022.00	78.2	\$7.62	\$0.440
PLUMBING.....	6,882.00	5.1	.50	.029
HEATING & VENTILATING.....	16,995.00	12.6	1.23	.071
ELECTRICAL.....	5,456.00	4.1	.39	.023
TOTAL COST OF BUILDING.....	\$134,355.00	100.00	*\$9.74	\$.563

TOTAL VOLUME: 238,679 cu. ft.—TOTAL FLOOR AREA: 13,806 sq. ft.
—CEILING HEIGHTS: Classrooms 10'; Activities Room 18'.

*Includes renovation of existing building.

Irving W. Hersey Associates, A.I.A., Architects - Durham, N. H.

ADRIEN LABRIE, LITCHFIELD, N. H.

GENERAL CONTRACTOR

Heating & Ventilating

for

PELHAM ELEMENTARY SCHOOL

by

ARTHUR E. PERLEY

561 Amesbury Road

Haverhill, Mass.

●

HEATING and AUTOMATIC
SPRINKLERS

Wills & Hill

INCORPORATED

Representing

GENERAL BRONZE CORP.

(Permatite Aluminum, Bronze and Stainless
Steel Windows and Curtain Walls)

CONCRETE PLANK CO., INC.

(Light Weight Nailable Concrete Roof
Plank)

THE WILLIAM BAYLEY CO.

(Aluminum & Steel Windows, Curtain Wall
Systems)

E. H. FRIEDRICH CO.

(Kalamein & Hollow Metal Doors)

CUTLER MAIL CHUTE CO.

(Mailing Systems)

MILWAUKEE STAMPING CO.

(Toilet Partitions)

99 Bedford St. Boston 11, Mass.
Telephone HUBbard 2-6490

ADRIEN A. LABRIE

Litchfield, N. H.

Dial HArrison 4-5623

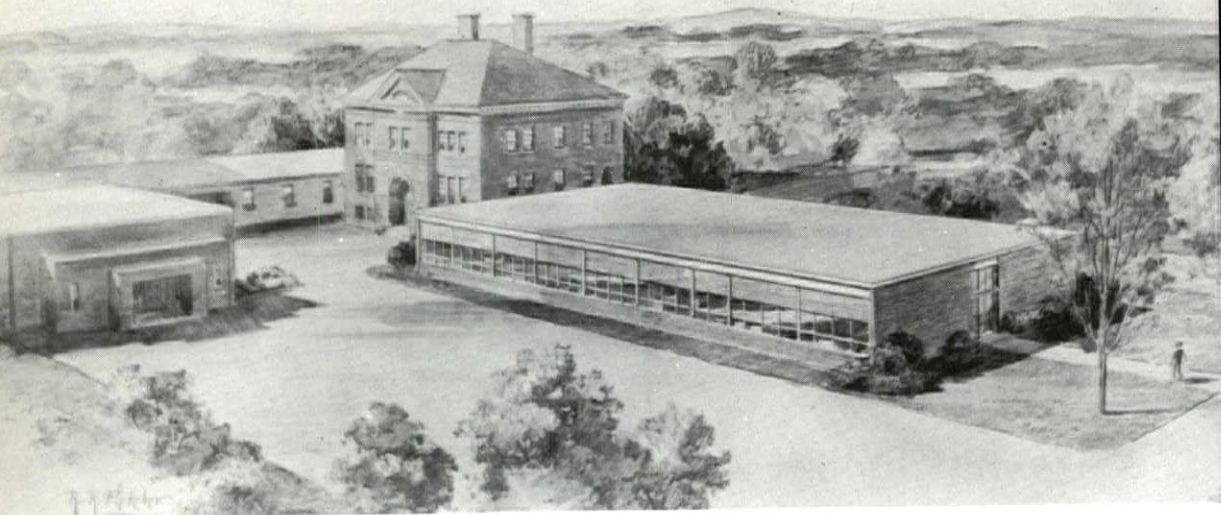
GENERAL CONTRACTOR

for

GILFORD ELEMENTARY SCHOOL

LITCHFIELD ELEMENTARY SCHOOL

PELHAM ELEMENTARY SCHOOL

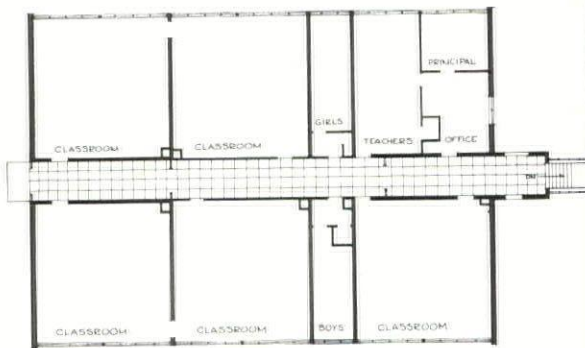


Pembroke Elementary School Addition - Pembroke

DESCRIPTION:

Facilities provided: 5 classrooms, administrative offices, provisions incorporated in the new construction for adding two future classrooms at the end of the building and 8 classrooms on a future second floor. This school is fire-proof throughout and will have a four hour fire rating.

Construction data: concrete foundations, concrete floor slab, brick and cinder block exterior walls, cinder block interior partitions, asphalt tile floor finish, ceramic tile floor finish in toilet rooms, acoustical plaster ceilings, concrete roof slab on steel joists, 20-year tar and gravel roof, aluminum ribbon windows and glass blocks, zoned steam heat, exhaust ventilation, fluorescent lighting in classrooms and incandescent lighting elsewhere.



ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$62,751.00	68.6	\$ 8.57	\$.66
PLUMBING.....	9,380.00	10.3	1.28	.10
HEATING & VENTILATING.....	12,199.00	13.3	1.66	.13
ELECTRICAL.....	7,190.00	7.8	.98	.07
TOTAL COST OF BUILDING.....	\$91,520.00	100.0	\$12.49	\$.96

HEIGHTS: 11'-0½"—VOLUME: 94,641 cu. ft.—AREA: 7,322 sq. ft.—
DATE OF BID: September 27, 1957.

Dirsa and Lampron, A.I.A., Architects - Manchester, N. H.

A. TAYLOR CORPORATION, CONCORD, N. H.

GENERAL CONTRACTOR

MITCHELL & HICKS Co., Inc.

New Hampshire's Leading Plumbing
and Heating Contractors

INDUSTRIAL RESIDENTIAL

74 South State St. Concord, N. H.

Phone CA 4-0947



HEATING CONTRACTORS

at

Addition

Pembroke Elementary School

A. TAYLOR CORPORATION

General Contracting



3 PLEASANT STREET, CONCORD, NEW HAMPSHIRE
CApitol 5-2917

General Contractor

for

Pembroke Elementary School Addition

Designed by

DIRSA & LAMPRON, A. I. A.

CONNIE'S CEMENT FLOOR CO.

J. "Connie" Griffith

Suncook, N. H. Dial HU 5-9444

at

Pembroke Elementary

Nashua Elementary (Ledge Street)

Gossler School - Manchester, N. H.

Hampton Elementary - Hampton, N. H.

CEMENT FLOORS

Monolithic • Granolithic • Metallic

Serving the Architects,

Contractors, and Engineers of

New England

A. W. Sargent & Son, Inc.

CApitol 5-2597

R. F. D. No. 3

Concord, N. H.

**PLUMBING and HEATING
CONTRACTORS**

35 YEARS EXPERIENCE AND
AS MODERN AS TOMORROW

PLUMBING

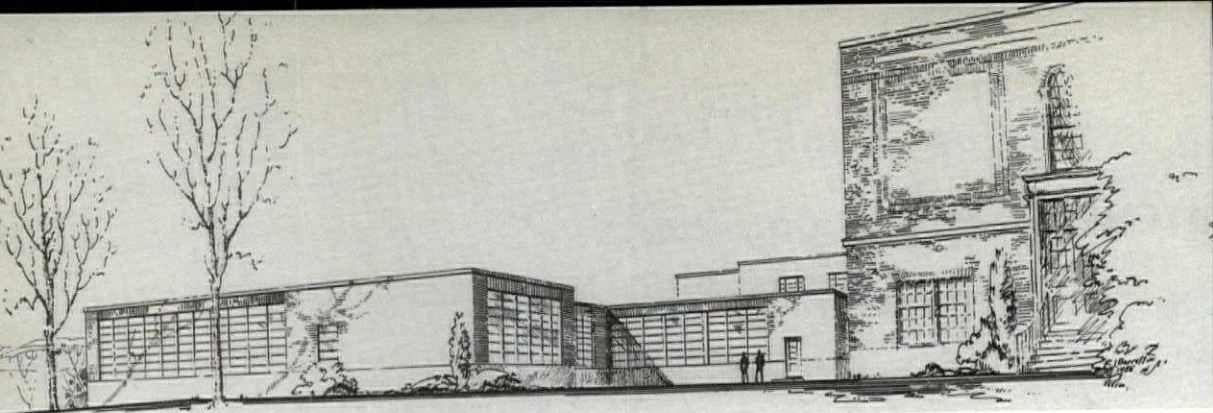
AS FINE AS IT CAN BE DONE

at

PEMBROKE SCHOOL ADDITION

Pembroke, N. H.

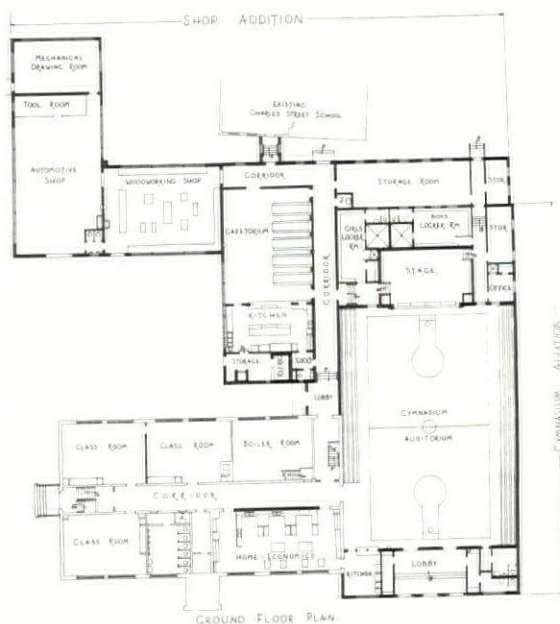
Residential • Commercial • Industrial



PENACOOK, NEW HAMPSHIRE GYMNASIUM ADDITION & SHOP ADDITION

CONSTRUCTION:

EXTERIOR WALLS: Gymnasium Addition—Concrete block faced with brick. Shop Addition—poured concrete and concrete block faced with brick. **INTERIOR WALLS:** Concrete block painted. **CEILINGS:** Gymnasium Addition—Celotex Panels, Shop Addition—acoustical units. **FLOORS:** Gymnasium Addition—asphalt tile, wood floor in Gymnasium and on stage. Shop Addition—asphalt tile, vinyl tile in Kitchen and Cafetorium, granolithic in Automotive Shop, wood in Woodworking Shop. **ROOF:** 20 yr. bonded tar and gravel on 3" plank supported by longspan steel joists. **WINDOWS:** Steel. **HEATING:** Gymnasium Addition—Two pipe vapor type (steam). Shop Addition—Two pipe vented return (steam). Woodworking & Automotive Shop—Unit heaters. **PLUMBING:** Standard School size. **ELECTRICAL FIXTURES:** Fluorescent and Incandescent.



COSTS:—GYMNASIUM ADDITION

	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE	\$60,210.00	74.8	\$6.36	\$.26
PLUMB, HEAT, VENT.	16,247.00	20.2	1.71	.072
ELECTRICAL	4,083.00	5.0	.43	.018
TOTAL COST OF BUILDING	\$80,540.00	100.0	\$8.50	\$.35

TOTAL VOLUME: 225,936 cu. ft.—FLOOR AREA: 9,471 sq. ft.—DATE OF BIDS:
August, 1949—FLOOR HEIGHTS: 9'-10", Gymnasium 21'-0".

COSTS:—SHOP ADDITION

	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
ESTIMATED TOTAL COST OF BUILDING	\$93,000.00	100	\$10.38	\$.61

TOTAL VOLUME: 151,300 cu. ft.—FLOOR AREA: 8,965 sq. ft.—DATE OF BIDS:
November, 1955—FLOOR HEIGHTS: 11'-6".

ALFRED T. GRANGER ASSOCIATES

Architects and Engineers

Hanover, New Hampshire

DAVID W. DAVISON, MANCHESTER, N. H.

GENERAL CONTRACTOR

FINISH HARDWARE

- For Every Building Need -

At

DENISON, INC.

80 STATE ST.
MONTPELIER, VERMONT



"Stilemaker"
Flare Design

Architects show a preference for the graceful, clean-cut lines of Russwin "Stilemakers." They point out how well "Stilemaker" designs harmonize with period or modern architecture.

RUSSWIN

BUTTS
CLOSERS
LOCKSETS
PANIC BOLTS
AS
MANUFACTURED
BY
RIXSON
STANLEY
RUSSELL & ERWIN
AND OTHERS

MacArthur and Sons

Penacook, N. H.

188 So. Main St.

Dial PL3-4411

Painting Contractors

— for —

HANOVER HIGH SCHOOL
ROCHESTER ELEMENTARY
PEMBROKE ELEMENTARY
PENACOOK HIGH
AND GYMNASIUM

Suppliers of the Following to Schools, Churches and Hospitals Constructed in New Hampshire —

MASONRY SUPPLIES

BELDEN BRICK

METROPOLITAN BRICK

GLEN GERY BRICK

MALVERN BRICK

CLAYCRAFT BRICK

WILLIAMSGROVE BRICK

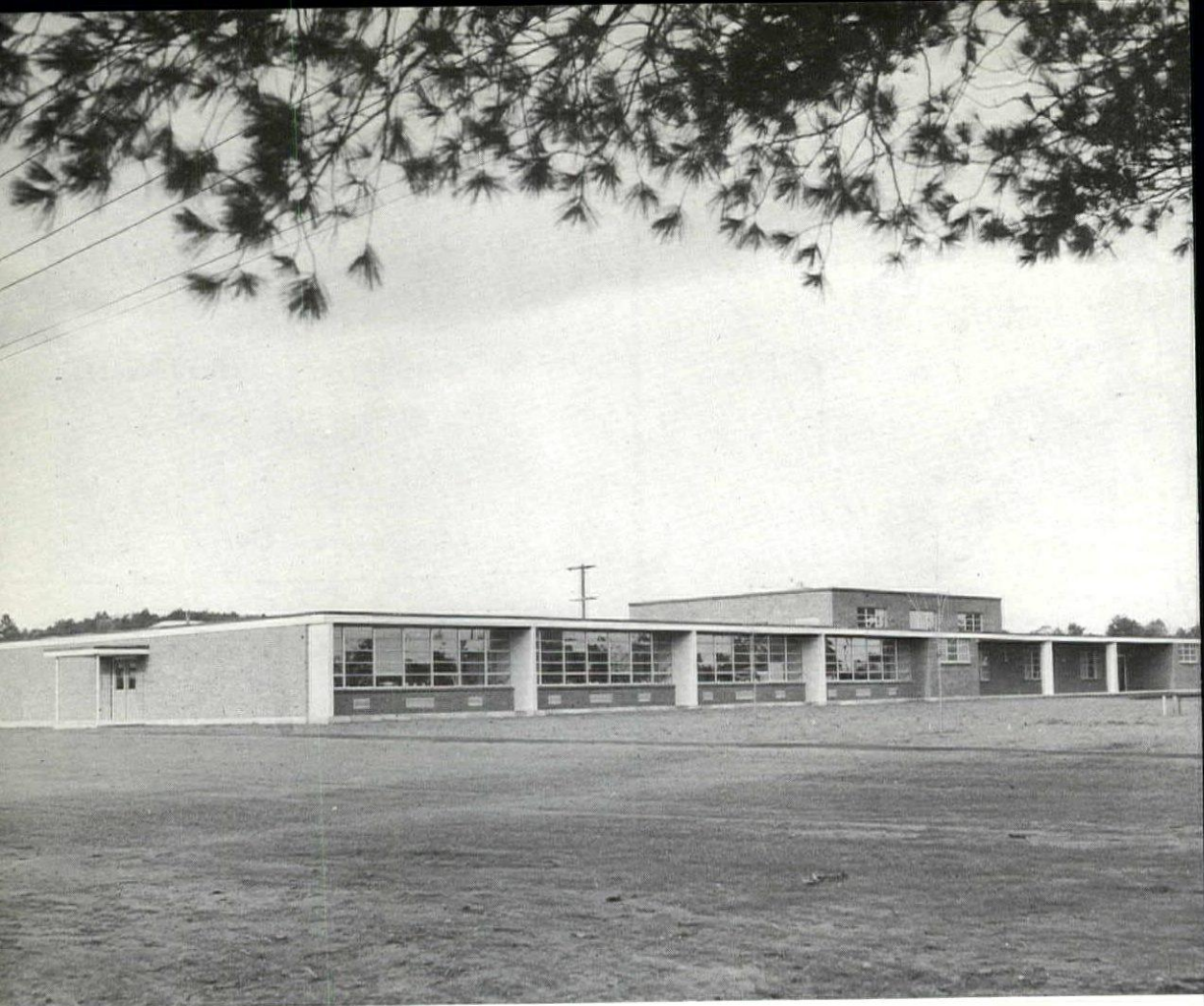
GLAZED AND UNGLAZED TILE

STRUCTURAL TILE

CORRIVEAU-ROUTHER CEMENT BLOCK CO.

266 Clay Street - Manchester, N. H.

NAtional 2-3506



Elementary School - Rochester

DESCRIPTION:

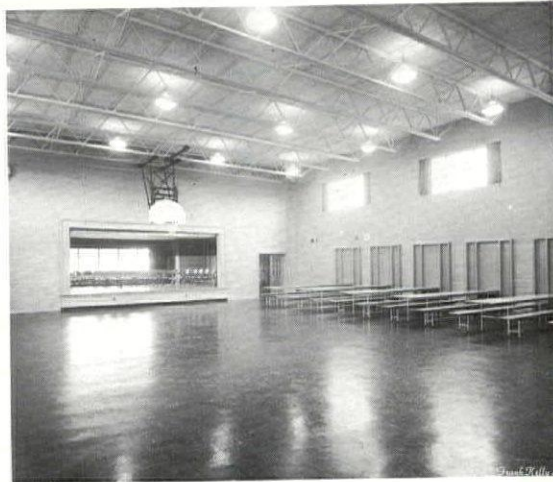
8 Classrooms, All-Purpose Room, Office, Teachers' Room and Toilet, Health Room, Shower and Toilet Rooms, Special Toilet Rooms for smaller children, Supply and Storage Rooms, Janitor's Room, Boiler Room.

CONSTRUCTION:

Concrete foundations and floor slabs, brick with block backers, long-span steel roof decking, built-up tar and gravel roofing, aluminum awning windows, long-span steel joists over All-Purpose Room, structural tile dados, ceramic tile floors in toilets and showers, asphalt tile elsewhere, forced hot water heating system with unit ventilators, No. 5 oil-fired boiler, fluorescent lighting.

SPECIAL FEATURES:

Glazed partitions between classrooms and corridor, plastic skydomes in corridors, incinerator, kitchenette in Teachers' Room, large porch for school bus loading, sink in each classroom.



COST

\$256,132.00

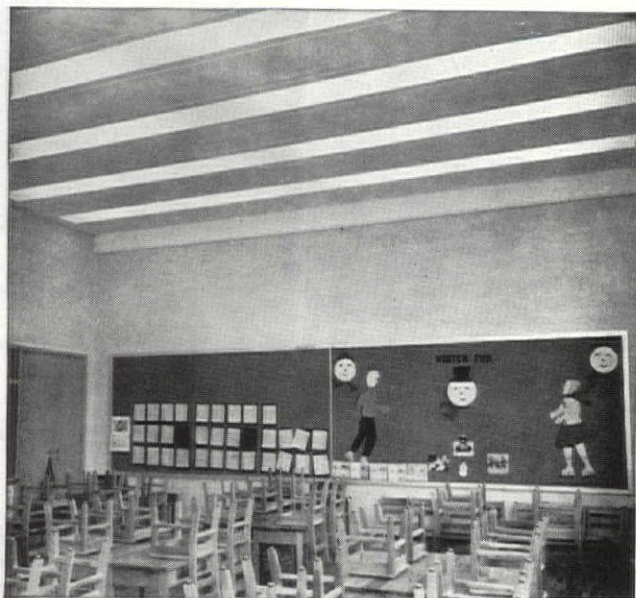
Tracy and Hildreth, A.I.A., Architects - Nashua, N. H.

DAVID W. DAVISON, MANCHESTER, N. H.
GENERAL CONTRACTOR

**AT
McCLELLAN ELEMENTARY SCHOOL
ROCHESTER, N. H.**

Fenestra

TYPE "D" BUILDING PANELS



Sanymetal

TOILET PARTITIONS

LONGSPANS

STEEL DOOR FRAMES

Barnstead Central School • Toilet Partitions

Dame School Addition • Metal Door Frames

Salem Elementary School • Steel Frames • Metal Covered Doors

Gorham Elementary School • Steel Frames • Metal Covered Doors

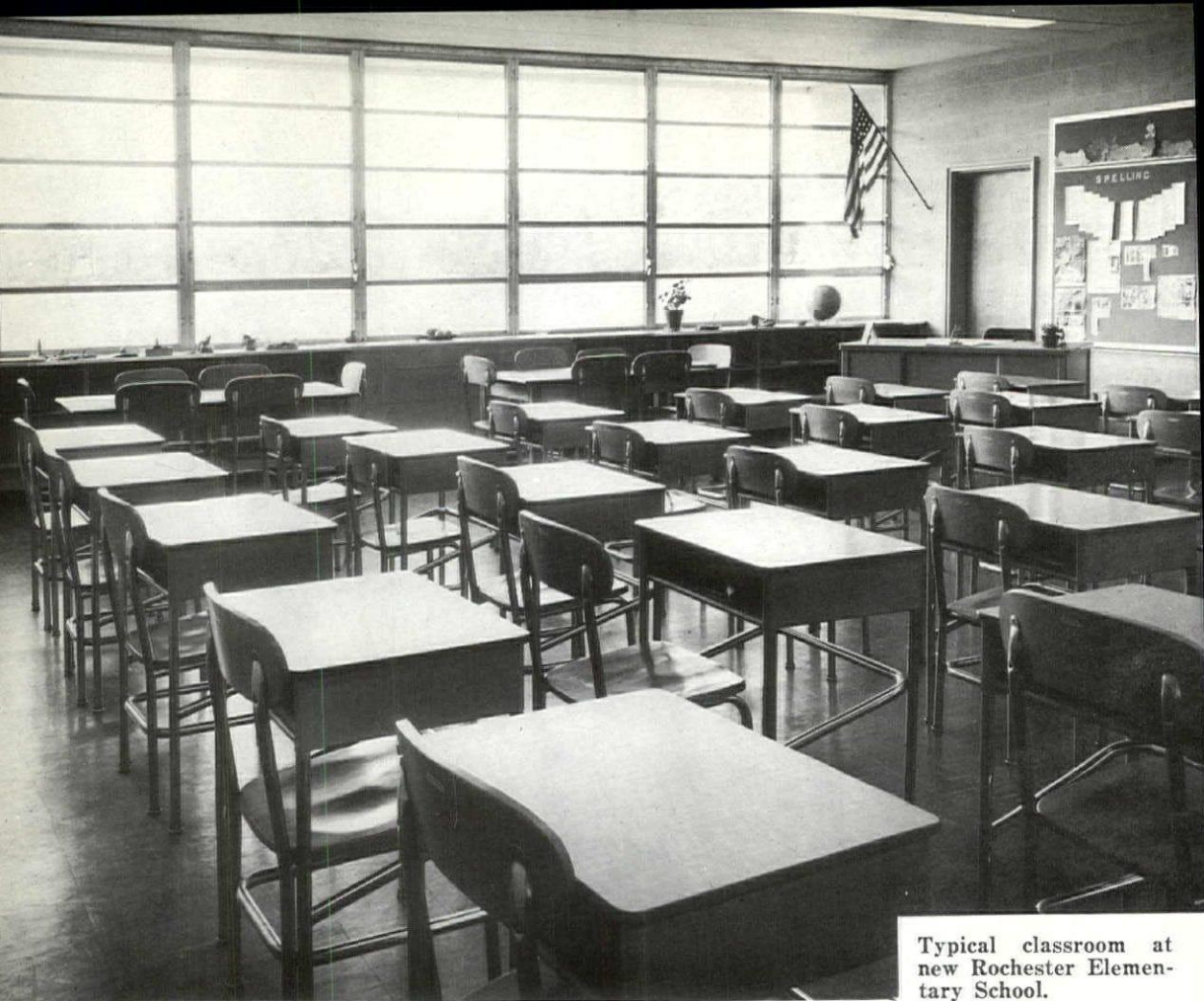
Our Lady of Seven Dolors • Steel Sash

**By
MAURICE LAFRAMBOISE**

Manufacturers Agent

TEL. NA 3-6943

MANCHESTER, N. H.



Typical classroom at
new Rochester Elementary
School.

J. SCANLON & CO.,

Incorporated

61 Amherst Street
Manchester, N. H.
Phone NA 2-3324



STEEL ERECTED

at

Franklin Elementary School
Salem Elementary School
Rochester Elementary School

Chalk and Tack Board

by

Gotham Chalk Board and Trim Co.

Folding Gates

by

Western Wire and Iron Works

at

Rochester Elementary School
Hooksett Elementary School
Pembroke Elementary Addition

Supplied and Installed

by

New England Building Specialties Inc.

KENmore 6-2813

755 Boylston St.

Boston, Mass.

R. C. Peabody Co., Inc.

Plumbing • Heating • Sprinkler

Contractors

Sales - Installation - Service

720 Union St.

Dial 2-0824



Plumbing • Heating • Ventilating

McClellan School, Rochester



• Plumbing •

St. Mary's High School, Claremont

CHARLES H. PITMAN Electrical Contractor

FOR

ROCHESTER ELEMENTARY SCHOOL

Rochester, N. H.

STRATHAM ELEMENTARY SCHOOL

Stratham, N. H.



10 Charles Street

EXETER, NEW HAMPSHIRE

PResident 2-2325

DAVID W. DAVISON



Daniel Webster Hwy, North

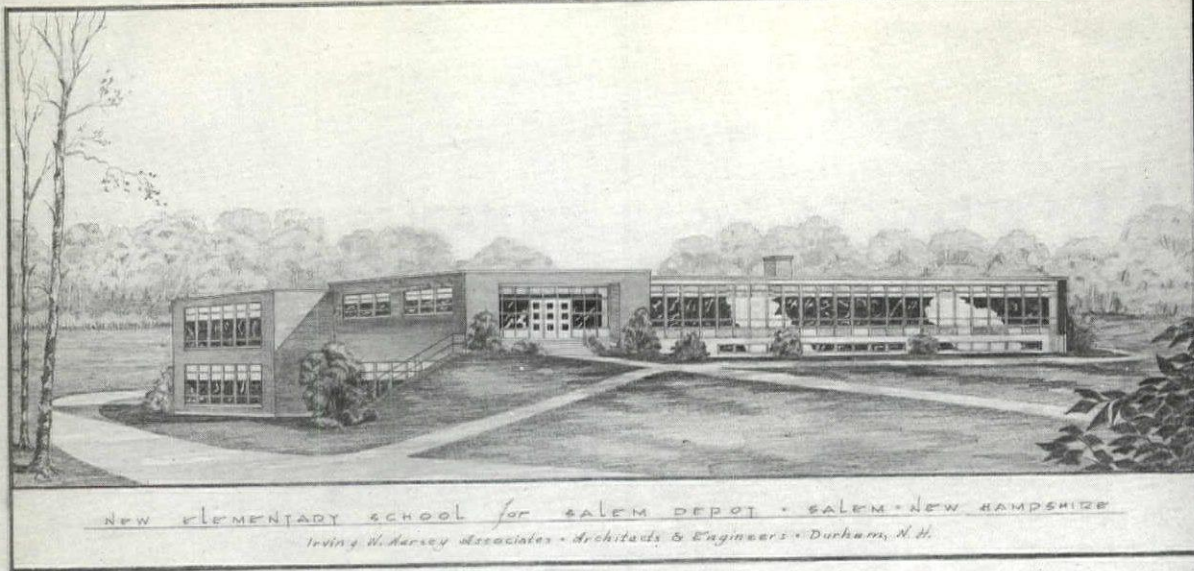
Tel. NA 4-4041

MANCHESTER, NEW HAMPSHIRE

GENERAL CONTRACTOR

FOR

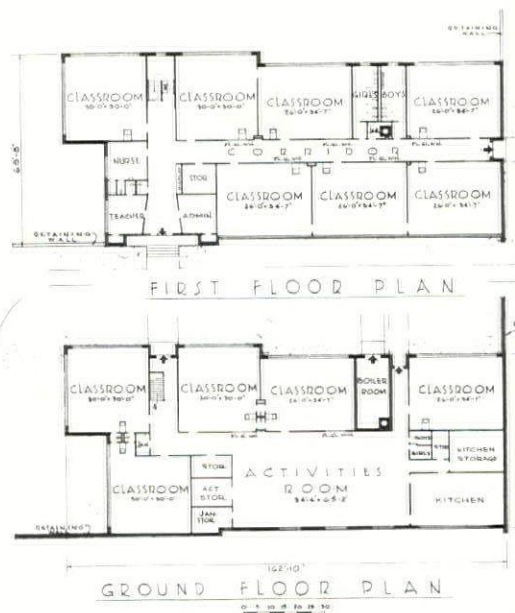
**Rochester Elementary School
and
Penacook High School and Gymnasium**



New Elementary School For Salem Depot

DESCRIPTION:

Foundations—reinforced concrete; ground floor—dampproof concrete slab; first floor—concrete slab on Steel-Tex; structural steel frame; first floor and roof frame—open web steel joists; roof decking—precast insulating roof plank; twenty-year bonded roofing; exterior walls—brick facing with cinder tile backing; interior partitions—cinder tile; ceilings—acoustical tile, plastered and structural; windows—aluminum sash with aluminum windowwalls; flashings—lead coated copper; floors—asphalt tile, ceramic tile and concrete; large glazed view windows in corridors; display case in entrance corridor; interior door frames—pressed steel; interior and exterior doors—wood; stairs—steel. Modern paint decorations. Complete modern electrical system. Plumbing system contains 47 fixtures. Three (3) zone forced hot water heating system with forced ventilation.



ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$151,290.00	77.5	\$7.51	\$0.62
PLUMB., HEAT., VENT.....	32,850.00	17.0	1.63	0.135
ELECTRICAL.....	10,612.00	5.5	.53	.042
TOTAL COST OF BUILDING.....	\$194,752.00	100.0	\$9.67	\$0.797

TOTAL VOLUME: 242,460 cu. ft.—TOTAL FLOOR AREA: 20,072 sq. ft.
 —CEILING HEIGHTS: 10'.

Irving W. Hersey Associates, A.I.A., Architects - Durham, N. H.

THE MAXAM COMPANY, PORTSMOUTH, N. H.

GENERAL CONTRACTORS

SCHLAGE

HARDWARE
at

SALEM ELEMENTARY SCHOOL
STRATHAM ELEMENTARY SCHOOL
LOUDON ELEMENTARY SCHOOL
SANDOWN ELEMENTARY SCHOOL
PLUS MANY MORE

Furnished By

TREAT

Hardware Corporation

582 Essex St., Lawrence, Massachusetts

Hardware - Industrial Supplies

Paints - Building Materials

"You'll Find It At Treat's"

Established 1859



MEMBER

The maxam Company INC.

GENERAL CONTRACTORS

Portsmouth, N. H.



SKILL RESPONSIBILITY INTEGRITY

NO OTHER GENERATION since time began, has seen the progress, nor the tremendous volume of construction, as has the era in which we live

WE feel fortunate that OUR COMPANY has witnessed and helped with this progress

WHEN lasting construction, built with painstaking care, is required, we have earned your consideration, and solicit your inquiries.

A COMPLETE SERVICE IN STEEL CONSTRUCTION

FOR THE ARCHITECT
AND BUILDER!

MACOMBER NAILABLE
V-BEAMS • NAILABLE
STEEL JOISTS • STEEL
DECK • LONGSPANS
• BOWSTRING TRUSSES
• V-LOK INTERLOCKING
STEEL FRAMING

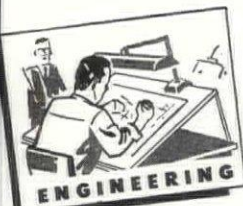
THE

GUSTIN

CORPORATION

DESIGN AND ENGINEERING
SERVICE ON STEEL FOR BUILDINGS
CROSS ST., WINCHESTER, MASS.

WINCHESTER 6-0310



BARRETT FLOORING COMPANY

Quality Floors Since 1932

P. O. BOX 246

BEDFORD
MASSACHUSETTS

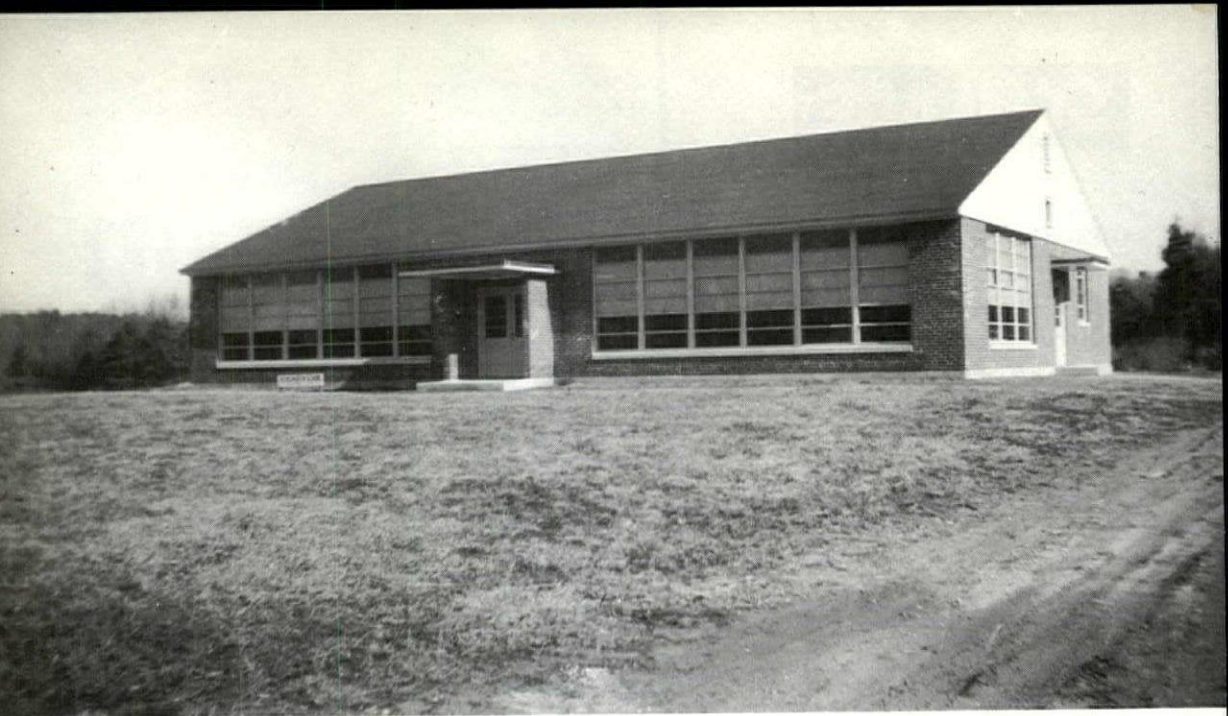
40 MECHANIC ST. KEENE
NEW HAMPSHIRE

SUPPLIERS AND INSTALLERS



at

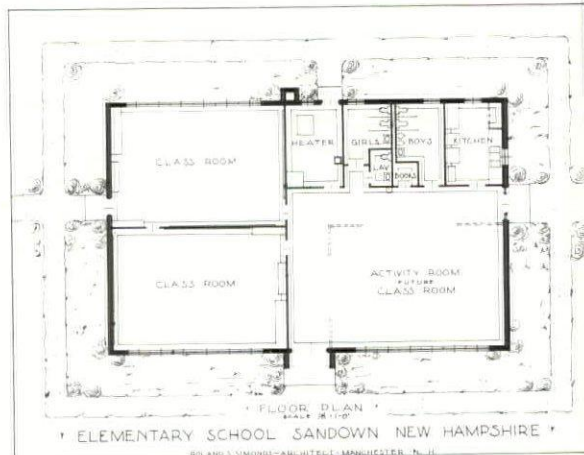
SULLIVAN ELEMENTARY
MARLBORO HIGH SCHOOL
HOPKINTON ELEMENTARY
BARNSTEAD ELEMENTARY
GUILFORD, VERMONT ELEMENTARY
GOSHEN-LEMPSTER ELEMENTARY
SALEM ELEMENTARY
FRANKLIN ELEMENTARY



Sandown Elementary School - Sandown

DESCRIPTION:

Footings—concrete; foundation walls—concrete block; exterior walls—4" water struck brick, 8" cinder block back-up tile; floor—4" concrete slab on fill asphalt tile topping; interior partitions—4" cinder block; roof frame—wood trusses on 2'-0" centers; roof covering—heavy butt asphalt shingles; doors—flush type birch veneer set in steel frames; windows—steel sash; ceilings—acoustical tile; stainless steel sink in kitchen; heating—forced hot water; lighting—incandescent fixtures; plumbing fixtures—American Standard.



ITEM

STRUCTURE	\$40,351.00
HEATING	3,750.00
PLUMBING	2,390.00
ELECTRICAL	1,420.00
VENTILATING	375.00
PAINTING	1,100.00
DRILLING WELL	1,500.00
TANK & PUMP.	575.00
ACCESSORIES	368.00

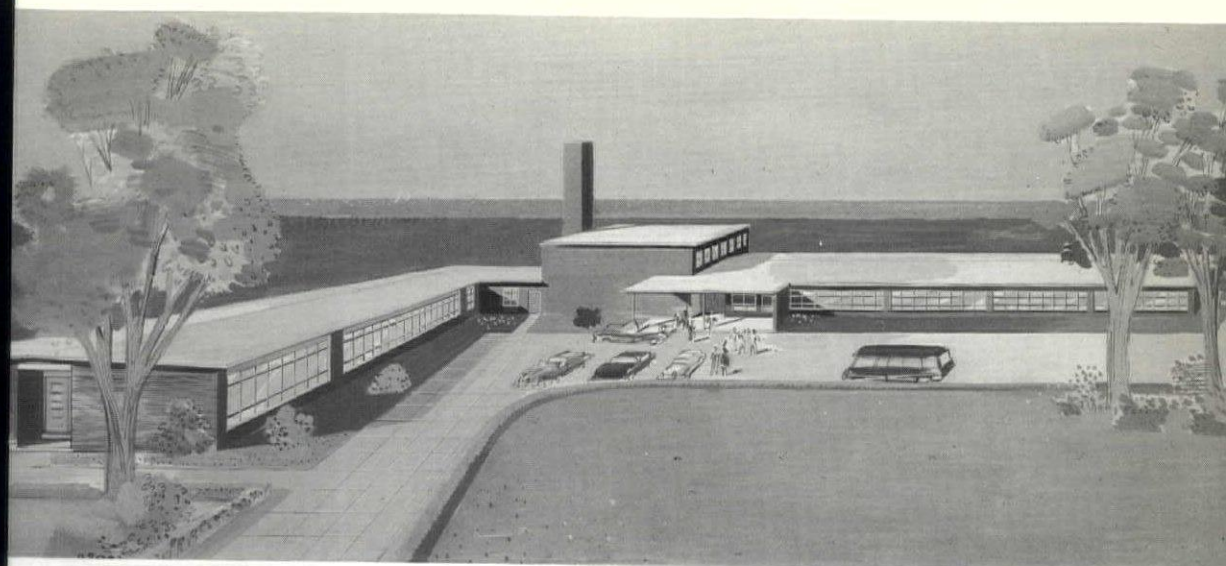
COST PER SQ. FT. \$12.37

COST PER CU. FT.84

Roland S. Simonds, A.I.A., Architect - Manchester, N. H.

E. W. & P. B. CURRIER, AMESBURY, MASS.

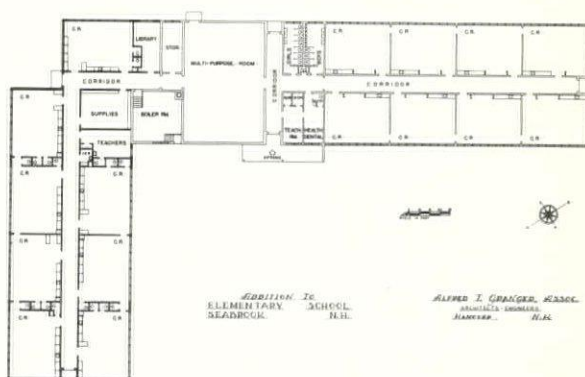
GENERAL CONTRACTORS



Classroom Addition to Elementary School - Seabrook

CONSTRUCTION:

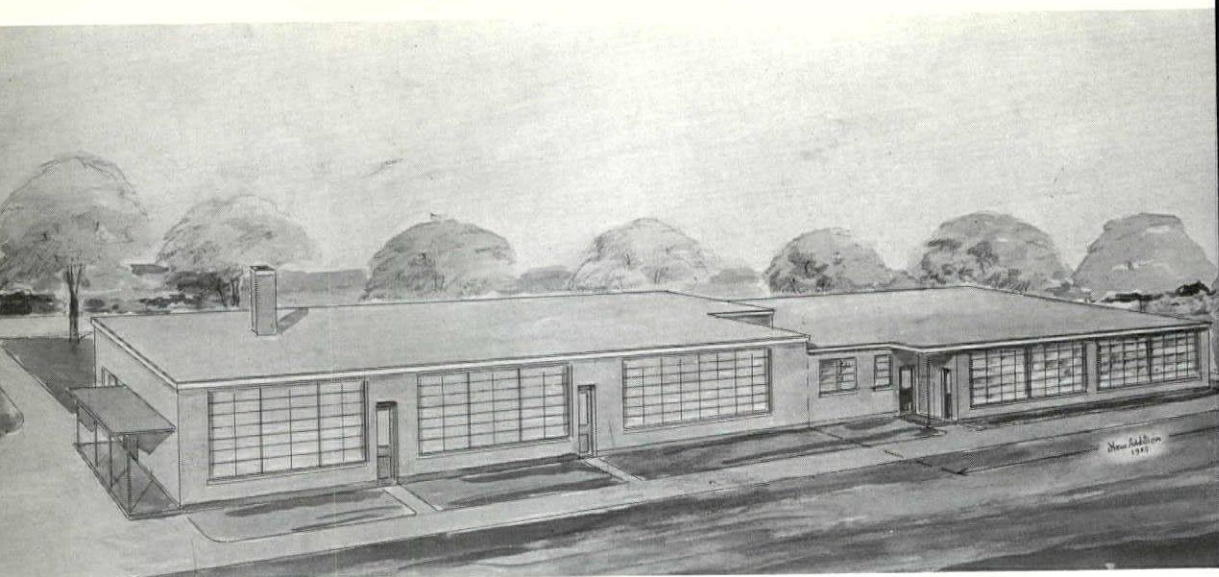
EXTERIOR WALLS: Concrete block with brick facing. INTERIOR WALLS: Concrete block painted. CEILINGS: Acoustical Units. ROOF: 20-year bonded tar and gravel roof, 1" insulation, roof boarding over 2" x 14" wood rafters. FLOORS: Reinforced concrete slab on grade covered with asphalt tile. WINDOWS: Structural wood units. HEATING: Two pipe forced hot water reversed return system. PLUMBING: Standard Grade School size. ELECTRICAL FIXTURES: Incandescent.



ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$ 81,891.00	73.5	\$ 7.98	.50
PLUMB., HEAT., VENT.....	22,200.00	19.9	2.15	.14
ELECTRICAL.....	7,400.00	6.6	.73	.04
TOTAL COST OF BUILDING.....	\$11,491.00	100.0	\$10.86	\$0.68

TOTAL VOLUME: 164,288 cu. ft.—FLOOR AREA: 10,268 sq. ft.—DATE OF BIDS: May, 1956—CEILING HEIGHTS: 10'-8" to 11'-3" Slanted Ceilings.

ALFRED T. GRANGER Associates, A. I. A.
Architects and Engineers - **Hanover, N. H.**
SWANBURG CONSTRUCTION CORP., MANCHESTER, N. H.
GENERAL CONTRACTOR



Stratham School - Stratham

DESCRIPTION:

Foundation — concrete; Exterior Wall — north and south wall brick faced with cement block backup, east wall concrete blocks without brick veneer; Interior Partitions — cement blocks painted; Roof Framing — Douglas fir rafters and boarding; Roof — tar and gravel twenty year bond; Floor — reinforced concrete slab finished with 3/16" asphalt tile; Ceiling — perforated fiber tile; Windows — aluminum heavy duty awning type; Room Heights — ten feet; Plumbing — six toilets, four lavs, three urinals, four class room sinks, janitors sink, 3,000 gal. concrete septic tank, disposal field with 1,200 ft. perforated pipe; Heating and Ventilating — circulating zone controlled hot water with new boiler in old boiler room, unit ventilators. Electric — concentric ring incandescent light fixtures in class rooms, Romex wiring.



ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$54,361	75.1	\$ 9.99	.81
PLUMBING.....	4,850	6.6	.87	.07
HEATING & VENTILATING.....	10,528	14.7	1.93	.16
ELECTRICAL.....	2,600	3.6	.47	.04
	<hr/> \$72,339	<hr/> 100.0	<hr/> \$13.18	<hr/> \$1.08

William L. White, A.I.A., Architect - Exeter, N. H.

S. E. LAPERLE AND SONS, EXETER, N. H.

GENERAL CONTRACTORS

Roofing Contractor

— for —

Stratham

Elementary School

Stratham, N. H.

LETOILE ROOFING CO.

38 Lancaster St. DRake 2-4031

Haverhill, Mass.

Roofing and Sheet Metal Work
of every description

S. E. LaPERLE and SONS

General Contractors and Builders

Exeter, N. H.

PR. 2-3561

2-3010



General Contractor

FOR

ADDITION TO

STRATHAM ELEMENTARY SCHOOL
Stratham, N. H.

H. B. Greenwood Co.

Manufacturers of

Fine Woodwork

Detail Work A Specialty

We Furnished the Millwork
For

Fred C. Underhill School - Hooksett

Stratham Elementary School - Stratham

Mailing Address
EAST KINGSTON, N. H.
Tel. South Hampton 1163-W1

Glass and Glazing

at the

STRATHAM ELEMENTARY SCHOOL
Stratham, N. H.

DEMERS

PLATE GLASS COMPANY
OF HAVERHILL

54 Winter St. Haverhill, Mass.

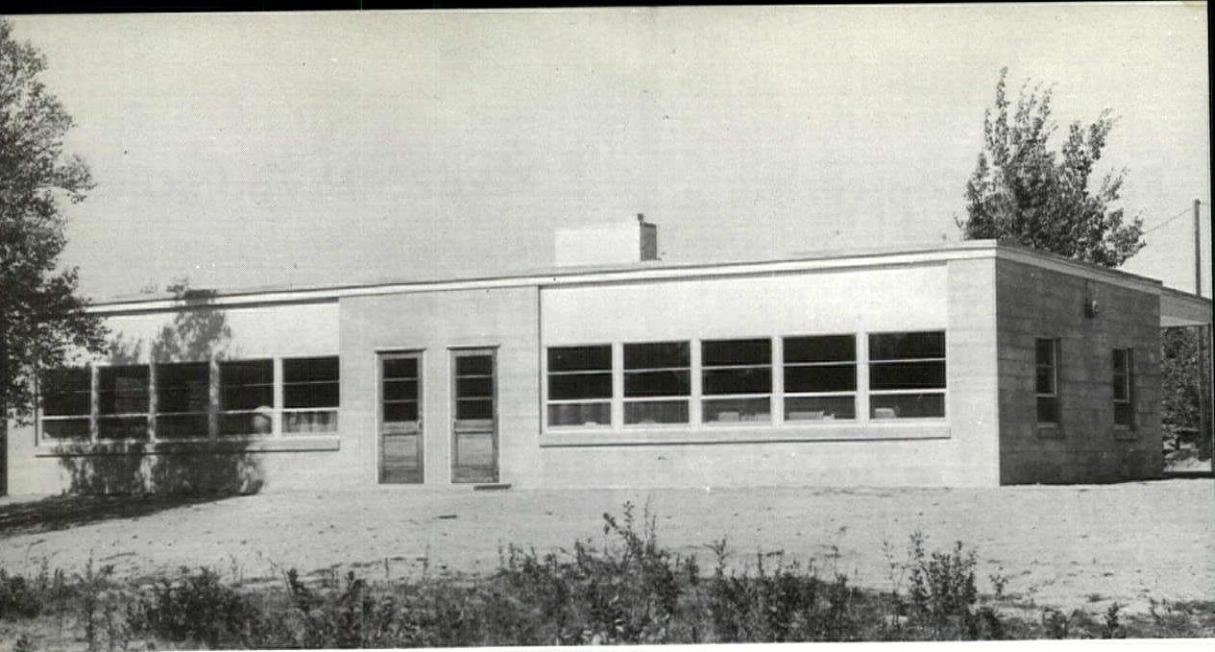
GLASS - MIRRORS - SASH - DOORS
STORE FRONT DESIGNERS

Affiliated With

Lawrence Plate & Window Glass Co.
417 Canal St., Lawrence

Demers Plate Glass Co.
54 Church St., Lowell

Demers Plate Glass Co.
3 Middle St., Lewiston



Elementary School - Sullivan

DESCRIPTION:

This school replaces two very old one room buildings. It has been designed so that a future lunch room, storage room, and kitchen can be added. The lunch room will serve also as a stage and the two classrooms which are separated by a folding partition will serve as an auditorium. Wood construction in the end of one of the classrooms can be removed to form the proscenium opening.

Poured concrete footings, concrete block foundation walls; painted cinder block and wood exterior walls; painted cinder block interior partitions; wood roof joists covered with matched boarding, rigid insulation and tar and gravel roofing; acoustical tile ceilings; steel door frames; wood doors; asphalt tile and ceramic tile flooring; cork tackboards; slate chalkboards removed from old schools and finished with green surface; steel sash; wood activity benches; movable wardrobe units and steel storage cabinets; metal toilet partitions; fire extinguisher; forced air heating and ventilating system designed for one additional classroom and the future lunch room; 6670 gallon oil storage tank buried; lavatory and drinking fountain in each classroom; fluorescent lighting fixtures in classrooms, incandescent elsewhere.



ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	\$18,699	66.1	\$ 7.48	\$.713
PLUMB., HEAT., VENT.....	7,665	27.1	3.06	.292
ELECTRICAL.....	1,938	6.8	.78	.074
TOTAL COST OF BUILDING.....	\$28,302	100.0	\$11.32	\$1.079

VOLUME: 26,265 cu. ft.—FLOOR AREA: 2,501 sq. ft.—DATE OF BIDS:
April 9, 1957.

Norman P. Randlett, A.I.A., Architect - Laconia, N. H.

JAMES J. VIETTE & SONS, KEENE, N. H.

GENERAL CONTRACTOR

HICKOX ELECTRIC

Box 546

Marlboro, N. H.

Tel. TRIangle 6-3941



Electrical Contractor

for

SULLIVAN ELEMENTARY SCHOOL

and

SWANZEY ELEMENTARY SCHOOL

ROOFING AT —

MARLBORO HIGH SCHOOL

Marlboro, N. H.

MINIATURE PRECISION BEARINGS

Keene, N. H.

Brattleboro Roofing and Sheet Metal Co., Inc.

40 Years Experience

154 Elliot St., Brattleboro, Vt.



**BARRETT ROOFING IS
OUR SPECIALTY**

**Sullivan Elementary School, Sullivan, N. H.
Swanzy Elementary Addition, Swanzy, N. H.**

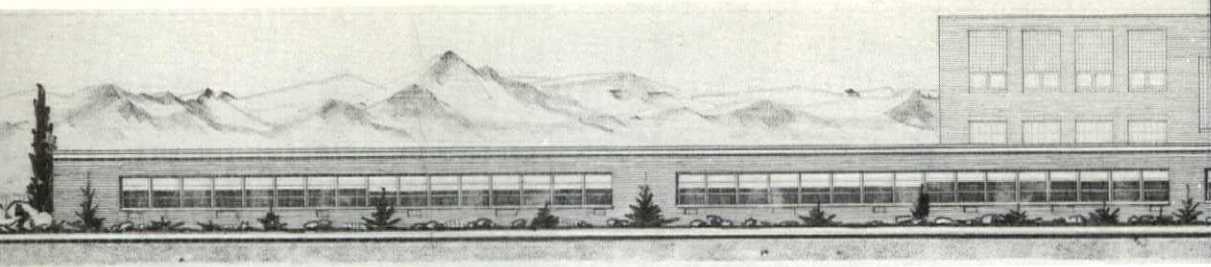
BY

JAMES J. VIETTE and SONS

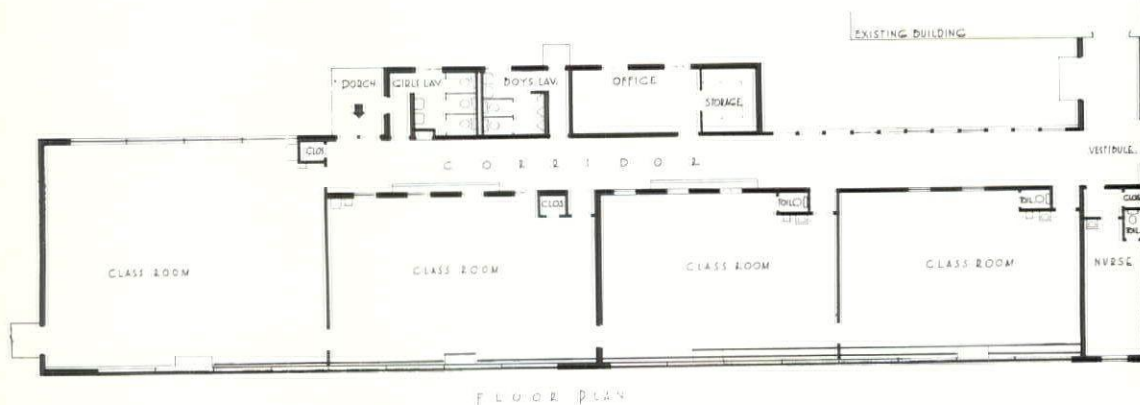
GENERAL CONTRACTOR

Keene, New Hampshire

28 Washington Street



Addition to Cutler School - West Swanzev



DESCRIPTION:

This four room addition to an existing school was constructed in two stages. The contract for the first two rooms was awarded September 4, 1956; the contract for the last two rooms was awarded May 1, 1957.

Concrete footings and concrete block foundation walls; exterior walls face brick with cinder block back-up; cinder concrete block interior partitions; all interior wall surfaces painted; floor concrete on grade; exposed steel roof joists covered with pre-fabricated insulating and acoustical slab; tar and gravel roofing; steel door frames; wood

doors; asphalt tile and ceramic tile flooring composition chalk board and cork tackboard with aluminum trim; steel sash; wood activity benches built in wardrobe units; movable steel storage cabinets; metal toilet partitions; steam heat with unit ventilators; new hot water supply for plumbing fixtures in new and existing building lavatory and drinking fountain in 3 classrooms one classroom has plumbing and electrical outlet for conversion to a shop; fluorescent lighting fixtures. The toilet wing is designed so that it can be locked from the classroom area and used in connection with an adjacent municipal recreation area.

ITEM	Cost	% of Total Cost	Cost Per Sq. Ft.	Cost Per Cu. Ft.
STRUCTURE.....	54,167	69.9	\$8.10	\$.795
PLUMBING & HEATING.....	18,427	23.9	2.76	.271
ELECTRICAL.....	4,738	6.2	.71	.07
TOTAL COST OF BUILDING.....	\$77,332	100.0	\$11.57	\$1.136

Costs include work in existing building. Area and volume do not include those in existing building.

VOLUME (as noted above): 68,065 cu. ft.—FLOOR AREA (as noted above): 6,687 sq. ft.

Norman P. Randlett, A.I.A., Architect - Laconia, N. H.

JAMES J. VIETTE & SONS, KEENE, N. H.

GENERAL CONTRACTOR

1ST STEP TO SOUND, SUCCESSFUL BUILDING

CONSULT AN ARCHITECT

ELECTION OF CHAPTER A. I. A. COMMITTEES FOR 1957 - 1958

Joseph F. Lampron, Secretary of New Hampshire Chapter, A.I.A., announces the election of the following Chapter Committees for 1957-1958:

CHAPTER ACTIVITIES

Chapter Affairs, Membership, Centennial Observance, Education, Office Practice, Awards and Scholarship:

Norman P. Randlett, Chairman, Eugene T. Magenau, Maurice E. Witmer, Eric T. Fuddleston, Edgar H. Hunter, Charles H. Gray.

PUBLIC RELATIONS

Public Relations, Government Relations, A. H. Architect, Home Building and Construction Industries, Collaboration with Design Professions:

Richard Koehler, Chairman, Alexander L. Majeski, Shepard Vogelgesang, Alexander R. James, Carl E. Peterson.

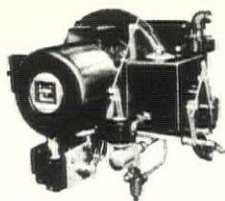
COMMUNITY DEVELOPMENT

Community Development, Preservation of Historic Buildings, Research, School Buildings, Hospitals and Health.

Arnold Perreton, Chairman, Horace G. Graddt, Alfred T. Granger, Leo P. Provost, Stephen P. Tracy.

MEMBER OF SUBCOMMITTEE ON BUILDING PRODUCTS REGISTRATION

Norman P. Randlett



D. H. McClarty Co. Heating and Plumbing

JOHNSON OIL BURNERS

THE FINEST IN HEAVY OIL
BURNING EQUIPMENT

57 McCauley St. Manchester, N. H.
Phone 5-8693

Dutch Boy —THE NAME TO GO BUY—FOR EVERY PAINT JOB

First choice of professional painters — first choice with home owners — that's *Dutch Boy*. There's a *Dutch Boy* finish specially blended for every painting need, inside or outside your home, and you can depend on it for long-lasting beauty. Choose yours today at —



PAINT DEPARTMENT
Main Store — Street Floor

BUILDERS' PAINT DEPARTMENT
Opposite Main Store
(Rear of State Theatre)

EXCLUSIVE DEALER
J. J. MOREAU & SON, INC
MANCHESTER, N. H.

Dial NA 4-4311

Serving the People of NEW HAMPSHIRE

John D. Betley,
Manchester

Horace G. Bradt,
Exeter

Dirsa and Lampron,
Manchester

W. Brooke Fleck,
Hanover

Alfred T. Granger Associates,
Hanover

Russell S. Harmon
Durham

Irving W. Hersey Associates,
Durham

John R. Holbrook Associates
Keene

Hudson and Ingram,
Hanover

Koehler and Isaak,
Manchester

Willis Littlefield,
Dover

Lyford and Magenau
Concord

Alexander Majeski,
Bedford

Edward Benton Miles,
Exeter

Arnold Perreton and Associates,
Concord

Carl E. Peterson,
Manchester

Prescott and Erickson
Laconia

Leo P. Provost,
Manchester

Norman P. Randlett,
Laconia

Tracy and Hildreth,
Nashua

William L. White,
Exeter

Walter Thomas Williams
Rochester

Maurice E. Witmer, Portsmouth

Participating Members of the New Hampshire Chapter

A. I. A.

ANEL INDUSTRIAL EQUIPMENT & SUPPLY CO., INC.

9 So. Main St. Concord, New Hampshire
Capitol 5-2726

Imken Bits
rosby Clips
eroquip Hose & Couplings
ulcan Drill Steel & Pavement Breaking
Tools
ughlin Drop Forge Fittings
ixon Valves & Couplings
prings — New and Repaired
Welding Supplies — Marquette, Victor
& Stultz-Sickles
omplete Motor Rebuilding
ohler Electric Plants
omplete stock of All sizes Machine
Bolts & Cap Screws

PALMER Plumbing Supply Co.

Wholesalers

Plumbing - Heating - Mill Supplies

Distributors of

VEIL-McLAIN BOILERS

KOHLER ENAMELWARE

PETRO OIL BURNERS

ROCHESTER, LACONIA, N. H.
PORTLAND, ME.

"Competent Engineering Service"

Alkyd Flat Enamel

For walls and woodwork

Martin-Senour QUIK-FLAT Enamel



Here's big news—an alkyd flat enamel, developed exclusively by Martin-Senour, that is fast drying, gives one-coat coverage, is guaranteed washable and glides on smooth as velvet with brush, spray or roller. Quik-Flat Enamel is available in *any color you want*. Simply tint with Martin-Senour Nu-Hue Liquid Tinting Colors—work right from the Martin-Senour Color Coordinator.

SEAMANS SUPPLY COMPANY

Distributors

Manchester, New Hampshire

DURASTONE FLEXICORE CORP.



Long Span Precast Concrete

Floor and Roof Units

Boston Office:

432 Massachusetts Avenue

Arlington, Mass.

Phones: Mission 3-7841 and Mission 8-0494

HARRY C. A. BEHR, Sales Engineer
PAUL T. HENNESSEY

NEW HAMPSHIRE ARCHITECT

P. O. Box 291, Concord, N. H.

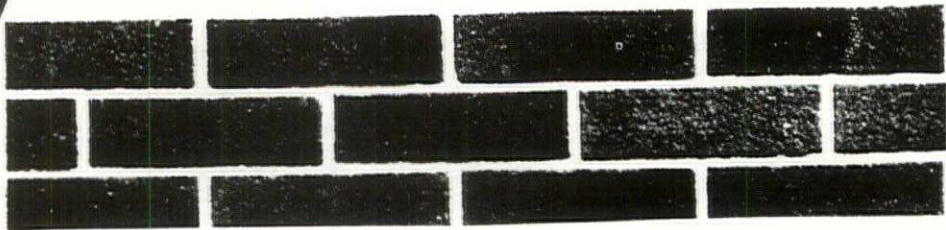
Library-American Inst. of Archt's
1735 New York Ave. N.W.
Washington 6, D.C.

Sec. 34.66 P. L. & R.
U. S. POSTAGE
PAID
Concord, N. H.
PERMIT NO. 297

Form 3547 Requested

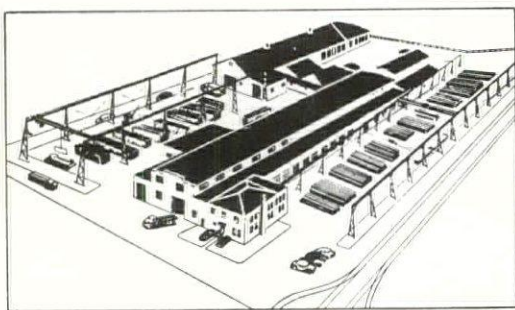
Build with Brick and Tile

Face Brick - Facing Tile - Flue Lining
Metal Specialties - Sewer Pipe



DENSMORE BRICK COMPANY

Manufacturers and Distributors
Lebanon New Hampshire



Aerial view of Vermont Structural Steel Corp.

Serving
Northern New England
and New York
with Steel Products

Our large steel fabrication plant can provide you with structural steel, longspan trusses, ornamental iron and fabricated platework. Our warehouse is kept stocked with complete inventories of steel and steel products. Prompt delivery is our goal on all orders, large or small.

LET US
QUOTE ON YOUR
REQUIREMENTS



Plant and Warehouse Dial **UNiversity 4-9844** Burlington 207 FLYNN AVENUE BURLINGTON, VT.