ALASKA LEGISLATURE COMMITTEE F

2256 HHESS HB 353

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2-21-84
Notified DOE
Notified Sponsor

Introduced: 2/15/84
Referred: Health, Education &
Social Services and Finance

Wed 2-29-84
Rec'd back-up 2-28
duplicated 2-28
filed 2-29

Funding Information
General Fund $25,976,156
Other Funds -0-
$25,976,156

IN THE HOUSE BY HERRMANN

SPONSOR SUBSTITUTE FOR HOUSE BILL NO. 353

IN THE LEGISLATURE OF THE STATE OF ALASKA

THIRTEENTH LEGISLATURE - SECOND SESSION

A BILL

For an Act entitled: "An Act making special appropriations to the Department of Education and for payment as grants for rural school design and construction; and providing for an effective date."

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:

* Section 1. The sum of $2,800,000 is appropriated from the general fund for payment as a grant to the City of Dillingham for the design and construction of an addition to the Dillingham elementary school.

* Sec. 2. The sum of $1,800,000 is appropriated from the general fund for payment as a grant to the Bristol Bay Borough for design and construction of improvements to the Bristol Bay Consolidated High School.

* Sec. 3. The sum of $1,803,000 is appropriated from the general fund for payment as a grant to the City of Unalaska for design and construction of a vocational education facility.

* Sec. 4. The sum of $4,430,000 is appropriated from the general fund to the Department of Education for the design and construction of a new school at Clark's Point.

* Sec. 5. The sum of $3,200,000 is appropriated from the general fund for payment as a grant to the City of King Cove for the design and construction of an addition to the King Cove school.

* Sec. 6. The sum of $3,500,000 is appropriated from the general fund to the Department of Education for the design and construction of a school addition at Manakotak.

* Sec. 7. The sum of $2,774,700 is appropriated from the general fund

to the Department of Education for the design and construction of a school addition at False Pass.

* Sec. 8. The sum of $1,066,200 is appropriated from the general fund to the Department of Education for the design and construction of improvements and an addition to the school at St. George.

* Sec. 9. The sum of $4,602,256 is appropriated from the general fund to the Department of Education for the design and construction of improvements and an addition to the school at St. Paul.

* Sec. 10. The appropriations made by secs. 1 - 3 and 5 of this Act shall be disbursed in accordance with AS 37.05.315.

* Sec. 11. The appropriations made by secs. 4 and 6 - 9 of this Act are for capital projects and are subject to AS 37.25.020.

* Sec. 12. This Act takes effect July 1, 1984.

REPRESENTATIVE
ADELHEID HERRMANN
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(907) 246-4495

While In Juneau
POUCH V
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Alaska State Legislature

House of Representatives

CHAIRMAN
SPECIAL COMMITTEE
ON FISHERIES

MEMBER
TRANSPORTATION
COMMITTEE

DISTRICT 26
ADAK
AKUTAN
ALEKNAGIK
ATKA
BELKOFSKI
CLARK'S POINT
COLD BAY
DILLINGHAM
DUTCH HARBOR
EGEGIK
EKUK
EKWOK
FALSE PASS
IGIUGIG
ILIAMNA
KING COVE
KING SALMON
KOKHANOK
KOLIGANEK
LEVELOCK
MANOKOTAK
NAKNEK
NELSON LAGOON
NEWHALEN
NEW STUYAHOK
NIKOLSKI
NONDALTON
PEDRO BAY
PILOT POINT
PORT ALSWORTH
PORT HEIDEN
PORT MOLLER
PORTAGE CREEK
SAND POINT
SOUTH NAKNEK
SQUAW HARBOR
ST. GEORGE
ST. PAUL
TOGIAK
TWIN HILLS
UGASHIK
UNALASKA

February 29, 1984

TO: Representative Mae Tischer, Chair
Members, House Committee on Health,
Education and Social Services

FROM: Representative Adelheid Herrmann

RE: SSHB 353 -- special appropriations for rural school design and construction

It has been called to our attention that several of the references in the bill do not clearly identify which level of school will be modified, improved, etc. The following reference may be helpful to you when reviewing the bill.

Section 1. Dillingham Elementary School.

Section 2. Bristol Bay Consolidated High School.

Section 3. Unalaska vocational education facility: Middle and High Schools

Section 4. Clark's Point: K-12.

Section 5. King Cove High School.

Section 6. Manakotak: K-12.

Section 7. False Pass: Elementary School.
Need to amend language to refelct relocation in lieu of "addition"

Section 8. St. George: High School.

Section 9. St. Paul: High School.

All/jr

PLEASE NOTE: THE FOLLOWING PAGES WERE TREATED AS A UNIT IN THE ORIGINAL DOCUMENT

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UNALASKA

Koponen
HB 353

MEMORANDUM

TO: Representative Mae Tischer, Chair
and Members, House Committee on
Health, Education and Social Services

FROM: Representative Adelheid Herrmann

DATE: February 27, 1984

SUBJECT: HB 353/SSHB 353 - An Act making special appropriations to the Department of Education and for payments as grants for rural school design and construction; and providing for an effective date.

I am attaching some information for your review which I hope will be of assistance while you consider the above legislation. The following material is enclosed:

1. The school/school district name and superintendent who will be testifying on the project.

2. A quick reference of community-school/school district-project and requested appropriation.

3. A section-by-section comparison of HB 353 and SSHB 353 which provides a brief explanation of the project.

4. Background information submitted to me by the schools/school districts on behalf of their requested proposals.

If you have any questions on the enclosed information, please let me know and I will get back to you.

AH/ml
Enclosures

REPRESENTATIVE
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MEMORANDUM

TO: Representative Mae Tischer, Chair
and Members, House Committee on
Health, Education and Social Services

FROM: Representative Adelheid Herrmann

DATE: February 27, 1984

SUBJECT: SSHB 353 - Special Appropriations to the Department of Education and for payment as grants for rural school design and construction; and providing for an effective date.

On Wednesday, February 29th, the House HESS committee will be sponsoring, at my request, a teleconference on this bill. The following are expected to testify at this time:

Aleutian Region School District -- Dick Bowers, Superintendent

Bristol Bay Borough Schools -- Harry Masinton, Superintendent

Dillingham City Schools -- LeRoy Owens, Superintendent

King Cove City Schools -- Ben Kirker, Superintendent

Pribilof School District -- Leland Dishman, Superintendent

Southwest Region Schools -- Peter Flisock, Superintendent

Unalaska City Schools -- Bob Denny, Superintendent

These individuals, and some School Board Members, will be available to answer any questions that you may have on their respective requests. I am enclosing some background material on their proposed projects for your reference. If you have any particular concerns that you would like for me to answer, please let me know.

Thank you for your attention to this request.

AH/ml
Enclosures

REPRESENTATIVE ADELHEID HERRMANN

SSHB 353 -- Special Appropriations to the Department of Education and for payment as grants for rural school design and construction; and providing for an effective date.

The following is a brief outline by Section of the community listed and the responsible entity charged with jurisdiction of school modifications.

Section 1. Dillingham -- Dillingham City Schools -- elementary school addition: $2,800,000.

Section 2. Naknek -- Bristol Bay Borough -- Bristol Bay Consolidated High School improvements: $1,800,000.

Section 3. Unalaska -- Unalaska City Schools -- vocational-education facility: $1,803,000.

Section 4. Clark's Point -- Southwest Region Schools -- new school for Clark's Point: $4,430,000.

Section 5. King Cove -- King Cove City Schools -- school addition: $3,200,000.

Section 6. Manakotak -- Southwest Region Schools -- school addition for Manakotak: $3,500,000.

Section 7. False Pass -- Aleutian Region School District -- school addition for False Pass (Tobeluk Decree): 2,774,700.

Section 8. St. George -- Pribilof Islands School District -- school addition for St. George: $1,066,200

Section 9. St. Paul -- Pribilof Islands School District -- school improvements/addition at St. Paul: $4,602,256.

Section 10. Appropriations for municipalities.

Section 11. Appropriations for unincorporated communities.

Section 12. Effective date.

JR/s

REPRESENTATIVE ADELHEID HERRMANN
HB 353/SSHB 353

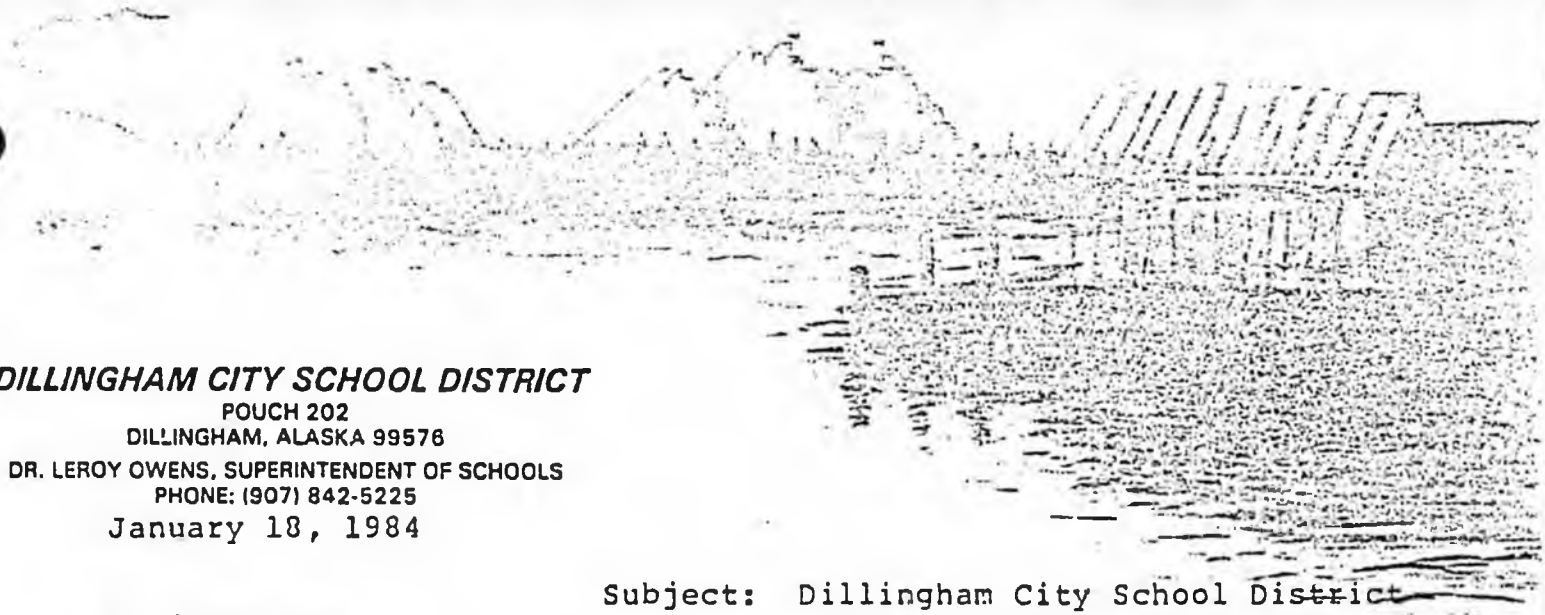
SECTION	PROJECT	HB 353	SSHB 353	RATIONALE
1	Dillingham elementary school addition	$ 6,000,000	$ 2,800,000	SSHB 353 deleted the reference to middle school and accepted the reduced figure which would take care of the immediate concern of alleviating the over-crowding of classrooms; returning the 6th grade class back to the elementary school. Classes are now being conducted in the hallways and stage area -- the latter to be modified as a music classroom.
2	Bristol Bay Consolidated High School -- Naknek	1,800,000	1,800,000	Phase I of a 3 Phase project. This would allow for classroom addition, Instructional Media Center, locker rooms/storage and an administrative office area. The construction would allow for future expansion.
3	Unalaska vocational-education facility	2,500,000	1,803,000	In the city's five-year plan, the vocational-education has been presented in two phases. This amount represents the initial phase which are mechanics, metals and general shops; art classroom, office and storage area.
4	Clark's Point: new school	4,430,000	4,430,000	The current building was built in 1946 and requires extensive upgrading to meet fire and building code standards. It is also undersized for program and enrollment demands. While a higher figure of $5,475,000 has been recommended, the lower amount will go a long way in making the necessary changes.
5	Levelock vocational-education facility	5,200,000	-0-	Deleted in SSHB 353. $2,035,000 was appropriated to this project last year.
	King Cove school addition	2,900,000 Section 8	3,200,000	HB 353 has this project in the amount of $2,900,000 which has been revised upward to $3,200,000 in SSHB 353. This change is a result of modifications to the overall scope of the project, including elimination of certain spaces, omission of the remodel portion and a decrease in the overall square footage.

SECTION	PROJECT	HB 353	SSHB 353	RATIONALE
6	Akutan: new school	$ 2,258,000	$ -0-	Deleted in SSHB 353. The Governor has it in his budget at $667,000. Tobeluk Consent Decree (Molly Hootch)
	Manakotak school addition	3,500,000 Section 9	3,500,000	Additional classroom space is needed and the building requires remodeling upgrade and a lunch room/kitchen facility.
7	Adak middle/high school improvements	993,500	-0-	Deleted in SSHB 353. As the Adak school serves the military, the state has been reluctant to fund any facility located on federal property.
	False Pass school addition **relocation**	2,774,700 Section 10	2,774,700	Although a higher cost estimate ($3,564,750), the lower figure has been maintained in this submission. Although the Governor has submitted $785,000 in his budget as a result of the Tobeluk Consent Decree, it is felt that more money is needed in order to accommodate the growing enrollment at False Pass. Due to an oversight, the language should be amended to reflect relocation instead of addition to school.
8	King Cove school addition	2,900,000	3,200,000 Section 5	See Section 5 for comment.
	St. George school improvements and addition	-0-	1,066,200	The School District has restructured the plan to reflect the minimum amount necessary to make needed changes. This phase includes remodeling of existing area.
9	Manakotak school addition	3,500,000	3,500,000 Section 6	See Section 6 for comment.
	St. Paul school improvements and addition	-0-	4,602,256	The School District has restructured the plan to reflect the minimum amount necessary to make needed changes. This phase is comprised of a combination of remodeling and new construction, including soil testing and land survey.

SECTION	PROJECT	HB 353	SSHB 353	RATIONALE
10	False Pass school addition	$ 2,774,700	$ 2,774,700 Section 7	See Section 7 for comment.

The remaining sections have been modified to reflect funding source.

The effective date clause has been changed to July 1, 1984.



DILLINGHAM CITY SCHOOL DISTRICT
POUCH 202
DILLINGHAM, ALASKA 99576
DR. LEROY OWENS, SUPERINTENDENT OF SCHOOLS
PHONE: (907) 842-5225

January 18, 1984

Subject: Dillingham City School District
Elementary/Office Facility
Capital Construction Project
Submitted to 1984 Legislature

Legislators
Alaska State Legislature
Pouch V
Juneau, Alaska 99811

Dear Legislators:

Enclosed is a presentation of the Dillingham City School District Capital Construction Request to the 1984 Legislature. Included are excerpts from the District's Long Range Plan as well as statistics gathered to indicate expected growth of the school population for the next 10 years. Even the most conservative projection more than justifies the enclosed elementary addition and office facility. This plan is intended to meet the elementary population growth expected in the next five years. The District projects the building of a middle school structure that could extend the usability and the adequacy of the proposed elementary space for several more years. Including the central office facility in the capital construction request provides a means for the City to locate its school offices in functional proximity to its schools and to allow for the renovation of the old district office (an old condemned school) for other badly needed community functions. Thus, the projected cost of $4,200,000 will provide the community with much needed student space, while allowing the community to organize its functions of city government as well as school operation in a logical and cost-effective manner.

This proposal has the whole-hearted support of the entire community, and is the top priority of both the City Council and School District Board. Although Dillingham has many critical needs for public projects, it has a deep commitment to its children and has placed their education as the highest priority for its legislative capital construction request.

This proposal, then, is presented with the combined support and effort of the entire Dillingham community. We submit it for your consideration and support.

Sincerely,

LeRoy Owens, Superintendent, for
Dillingham City School Board and Dillingham City Council

DILLINGHAM CITY SCHOOL DISTRICT
POUCH 202
DILLINGHAM, ALASKA 99576
DR. LEROY OWENS, SUPERINTENDENT OF SCHOOLS
PHONE: (907) 842-5225

February 8, 1984

Representative Adelheid Herrmann
Alaska State Legislature
Pouch V
Juneau, Alaska 99811

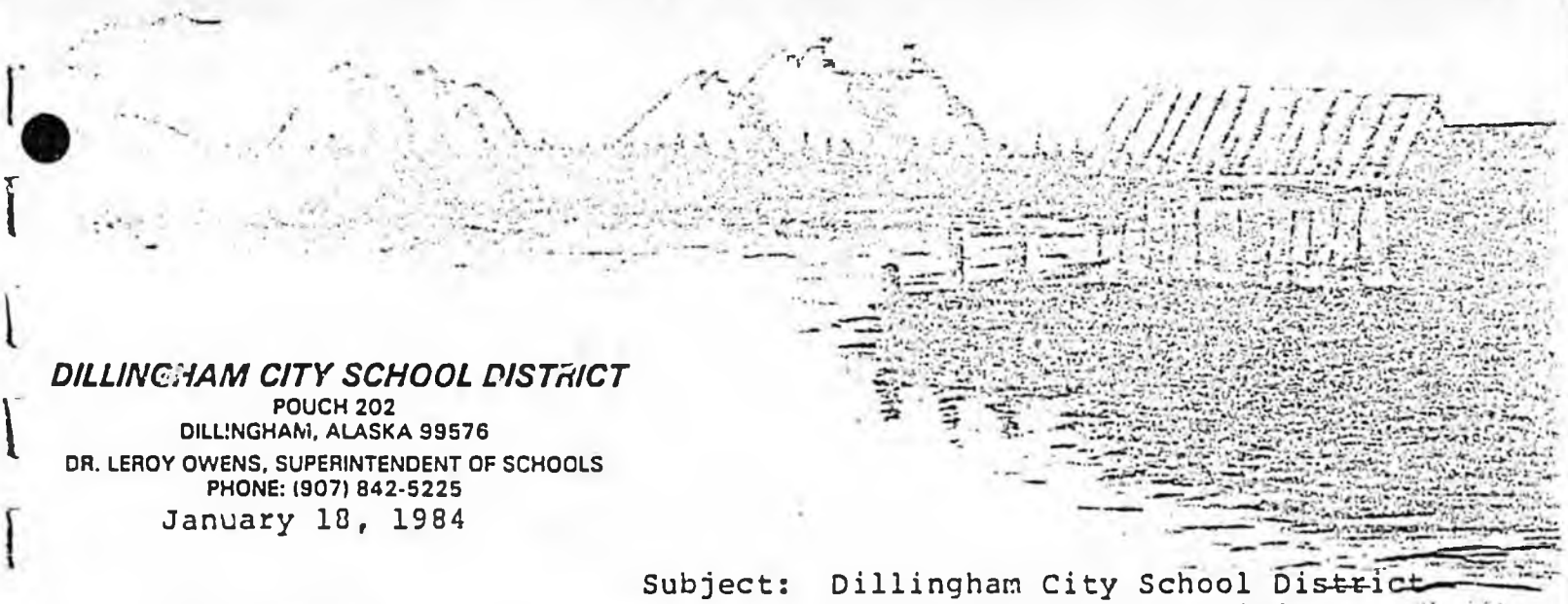
Dear Representative Herrmann:

Attached is a copy of the completed schematic drawings and backup material in support of the Dillingham City School District and City of Dillingham top priority for capital improvement funding from the 1984 legislature.

Note that the school district originally requested $ 2,000,000 to complete the first phase of a long range plan that includes waste heat recovery funding, middle school facilities construction, a life safety pool facility, and upgrading of school facilities to include music and drama, practice and performance areas as well as improved and expanded outside playground areas.

The attached elementary and central office facilities plan projects a potential cost of $4,200,000, if all items included in the proposal were to be completed. The City Council and School Board feel that they can complete Phase I of the long range program within the $2,000,000 amount originally proposed. We realize that completing items like central kitchen, site and playground development and some other items may not be completed within this amount, but can be requested in subsequent proposals in future years.

It is important to note that along with the $2,000,000 top priority proposal of the elementary/central office facility, the school district also has a waste heat recovery item in the amount of $600,000 that received favorable placement on the Governor's budget list. The success with our past heat recovery project in our elementary school has pointed up the great advantage in using this approach to energy savings. With this in mind, the heat recovery proposal makes a lot of sense to us.



DILLINGHAM CITY SCHOOL DISTRICT
POUCH 202
DILLINGHAM, ALASKA 99576
DR. LEROY OWENS, SUPERINTENDENT OF SCHOOLS
PHONE: (907) 842-5225

January 18, 1984

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This proposal has the whole-hearted support of the entire community, and is the top priority of both the City Council and School District Board. Although Dillingham has many critical needs for public projects, it has a deep commitment to its children and has placed their education as the highest priority for its legislative capital construction request.

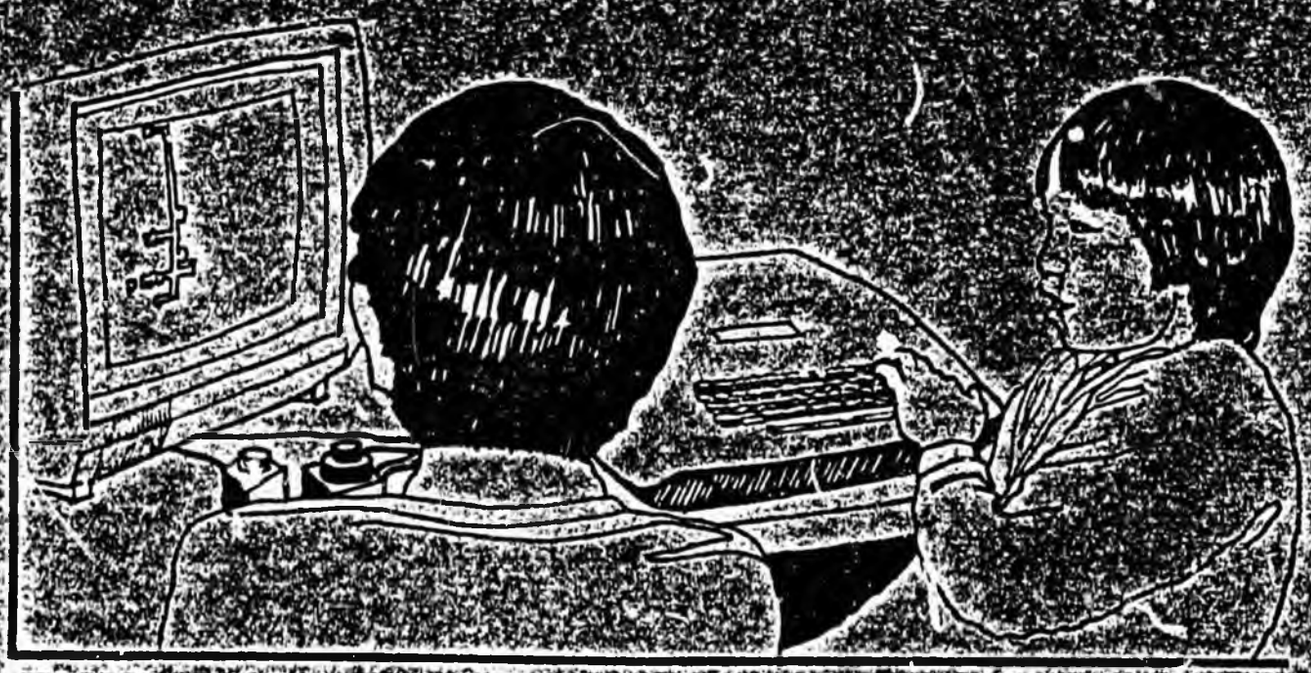
This proposal, then, is presented with the combined support and effort of the entire Dillingham community. We submit it for your consideration and support.

Sincerely,

LeRoy Owens, Superintendent, for
Dillingham City School Board and Dillingham City Council

Project Manual

Schematic Design



Dillingham Elementary School addition and central office

LIVINGSTON SLONE

PROJECT MANUAL
SCHEMATIC DESIGN PHASE

FOR AN ADDITION TO

DILLINGHAM ELEMENTARY SCHOOL

DILLINGHAM CITY SCHOOL DISTRICT

DILLINGHAM, ALASKA

FEBRUARY, 1984

PREPARED BY:

Livingston Slone, Inc.
Architecture, Engineering, Interior Design, Planning
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Anchorage, Alaska 99503
(907) 562-2058

ACKNOWLEDGEMENTS

The preparers of this document wish to acknowledge the assistance of the following people:

Rick Ladd, Principal
Dillingham Elementary School

the Teaching Staff of
Dillingham Elementary School

Dillingham Community
Participants

the Architectural Review
Committee
Dave Bouker
Marilyn Rosene
Norma Adkinson
Henry Strub
G.R. Robertson
Ron Perkins
Lloyd Stiassney
Jay Satterfield

LeRoy Owens, Superintendent
Henry Kilmer,
Assistant Superintendent
Dillingham City School District

the Dillingham City School Board
Sally Smith
Dorothy Larson
Shirley Wiggins
Mary Dunn
Dave Bouker

the Administrative staff of
the Dillingham City School
District

Leon Braswell, Mayor

the Dillingham City Council
Laura Schroeder
Kay Larson
Kurt Armstrong
John Pearson
Nels Anderson Jr.
Mary Ellen Darling

TABLE OF CONTENTS

INTRODUCTION

This document is a presentation of the schematic design for an addition to the Dillingham Elementary School and a new central office building for the Dillingham City School District.

The City of Dillingham is located on the Nushagak River in northern Bristol Bay. The present population is about 60% white and 40% Native. The economy is based on commercial fishing and fish processing, and since 1960 Dillingham has grown rapidly as the fishery has expanded. Dillingham is the largest town in the Bristol Bay area, the only first class city, and is the economic and service center of the region.

The rapid growth of the past few years has created severe overcrowding in the elementary school. The addition will accommodate the additional children. A new kindergarten classroom will be provided, as well as a multi-purpose room, music areas, and four classrooms for the upper grades.

The new central office building will house school district personnel, whose present offices are being pre-empted by City government. The building will also include a central kitchen to provide hot lunches for elementary, middle school, and high school children.

Existing building utilities consist of an oil fired boiler system, hydronic distribution, and a mechanical ventilation system. Waste heat from nearby Nushagak Electric supplies the elementary school's heating requirements. It is expected that the waste heat system will continue to be used with the new addition. The addition will include remote fan rooms for ventilation at the kindergarten wing.

The enlarged school will serve a projected enrollment of approximately 300 students. The facility is also programmed for community use: evening education, aerobic exercise, recreation, festivals, meetings, and small theatrical productions.

The documents contained in this report have been organized into sections corresponding to individual architectural/engineering disciplines and other pertinent subject areas.

1.0 Scope of Work

1.1 The basic scope of work at this phase of design is defined below. Should the project construction cost estimate change during subsequent design phase the scope of work will change also.

1.2 The existing Elementary School building consists of 25,250 square feet of floor area on the main level. The addition consists of 11,850 square feet of floor area added to the east and west ends of the existing structure. A potential for 4,000 square feet will be provided for storage above the new classrooms in the attic space. Some of this area may also be used for remote fan rooms.

2.0 Basis of Design

2.1 Architectural:

2.1.1 General: The new school structure is a concrete slab on grade, wood frame building of one story providing an educational program area for primary elementary school students. The school is designed in separate zones as follows: Four classrooms added to the southeast corner of the building for upper grades, 4 and up. Added to the west end of the building is a multi-purpose room, music room, and kindergarten areas. A storeroom for the gynasium and instructional materials is also incorporated. Providing of the additions in this fashion uses a minimum of available site area leaving as much site as possible for exterior play yards. It is a compact arrangement with minimum exterior wall construction versus a enclosed floor area. It is anticipated that the existing boiler room and mechanical room will provide support for the additions. However remote ventilation equipment will be located above the ceiling in the two areas of the addition.

The location of the new kindergarten addition allows for direct exterior access to their play area. The addition of the four classrooms on the southeast will require removal of an existing covered entry structure. This structure has not proven useful and has become an operating liability. The recontouring of the site near the main entry will remove the outdoor stair hazard and will give children a pleasant pedestrian approach to the school's front door.

2.1.2 The Building Site and Master Plan:

1. Location: The project is an addition to the existing elementary school. The proposed new roof design shall attempt to minimize problems from drifting snow entering the attic at the north eave and snow building up on the lee side of roof area.

2. Master Plan: The addition is sited and designed to allow for possible future expansion on the east end. The addition is also been considered in light of a master plan prepared earlier by the architect which depicted an overall plan for the School District showing a central kitchen, and central office facility extending into Middle School area and a future swimming pool.

3. Utilities: The building is sited near a waste heat line that is supplied by Nushagak

Electric's generating facility. Thid waste heat system will continue to supply heating for the school and the new additions. On-site oil storage for the buildings boilers will be maintained.

2.1.3 Building Technologies, Assemblies:

1. Floors: Hallways and classrooms to receive carpeting. Multi-purpose Room and wet areas in classrooms shall receive resilient vinyl tile. Entrance ramp and vestibules to have sealed concrete.

2. Wall Assemblies: Conventional wall assemblies are proposed utilizing painted gypsum board for fire protection. The heavy vapor barrier, wood studs, plywood sheathing for structural shear on the exterior, building paper and plywood siding to match the existing building will be provided.

3. Roof Assembly: The roof assembly consists of manufactured wood trusses, plywood deck with corrugated metal roofing to match the existing building in profile and color. This system will incorporate fiberglas batt insulation between the trusses with a vapor barrier attached to the furring below with gypsum wallboard forming a fire resistant skin beneath.

4. Windows: The existing window system is a double glaze aluminum frame set into decorative wood mullions at 6'0" on center. The Additions will employ similar matching window details with aluminum thermalbreak sash, insulating 1" glass, with some small operable windows. The architects will investigate available glazing systems to assure that a unit with minimum air infiltration will be selected.

5. Exterior Door Assemblies: Exterior door assemblies will have double steel doors with glazing panels with a possiblity of some of

the existing building exterior doors to be reused. Other exterior doors shall be painted steel.

6. Interior Door Assemblies: Interior doors will be hollow metal frames and of a 3' width unless design dictates specific needs for a wider door.

7. Interior Finishes: Interior finishes will generally adhere to the existing building's system of smooth texture gypsum wallboard and carpeting along the wainscot of the corridors and coat storage areas. Carpeting will be supplied for corridors and classroom floor areas with some classroom areas receiving a resilient vinyl flooring as shown on the floor plans.

8. Toilet Rooms: Floors shall be ceramic tile with ceramic tile base and walls. Fixture partitions shall be painted steel.

STRUCTURAL NARRATIVE

GENERAL

The scope of work under this section is to provide the structural design for the expansion of the Dillingham Elementary School in accordance with all applicable State and local building and fire codes.

STANDARD

All materials and methods shall conform to the latest rules, regulations, and/or specifications of the following authorities:

American Society for Testing Materials (ASTM)
American Concrete Institute (ACI)
American Institute of Steel Construction (AISC)
American Welding Society (AWS)
National Board of Fire Underwriters (NBFU)
American Institute of Timber Construction (AITC)
Uniform Building Code (1982)
American Plywood Association (APA)

STRUCTURAL FEATURES:

1. General:

   The existing structure is cut into a sloping site. The natural grade on the uphill side of the building is several feet above the finish floor level of the building. The classroom expansion will be constructed on this uphill side of the existing building, therefore the use of concrete retaining walls is anticipated. Also, the removal of earth and recontouring will be needed to keep the exterior grades around the classroom expansion to a desirable level.

   The new structure will be tied into and act as a unit with the existing structure in the event of seismic or wind action. The framing and foundation materials will be identical to the existing building to insure that the structures act with the same rigidity.

2. Foundation:

   The foundation of the structure will consist of concrete strip and spread footings to distribute loads to the soils. We anticipate some soil testing beneath the new construction and recommendations from a Geotechnical Engineer on allowable foundation loads will be forthcoming from the School District during prior to the next phase of design.

The first floor will consist of a concrete slab on grade. Concrete retaining walls, both cantilevered and buttressed will be utilized where the floor level is below the exterior grade.

3. Framing System:

Roof and mezzanine loads will be supported by load bearing, wood framed walls and where required, glu-laminated beams and columns. Plywood sheathing with the appropriate nailing patterns will be utilized to resist wall shears caused by lateral loading.

4. Mezzanine Floor System:

Mezzanine floors will required for additional mechanical space and may also be utilized as storage areas. Both mechanical equipment and storage items require a very strong floor system. Primary floor framing will span between load bearing walls. Plywood floors will serve as a diaphragm to transfer seismic and wind loads to the shear walls.

5. Roof:

Roof loads shall be carried by wood/metal open web joists spanning between load-bearing walls. Lateral loads at the roof line shall be carried by the plywood deck acting as a diaphragm to distribute lateral loads the shear walls. Special attention will be given to snow loadings and the potential for drifting on lower roof surfaces.

DESIGN LIVE LOADS

1. Roof, Snow Loads: 35 psf plus drifting

2. Floor:

Classrooms	100 psf
Corridors and Stairs	100 psf
Mezzanines and Storage	125 psf

3. Wind: UBC, 100 mph

4. Seismic: UBC, Zone 2

Design loads may be modified as site information is collected.

MECHANICAL NARRATIVE

GENERAL

The proposed project is an ±11,000 ft² addition and ±1300 ft² remodel to the existing elementary school building located in Dillingham, Alaska. The addition will house classrooms, toilets, storage, music room, multi-purpose room and an expansion of the mechanical room. New systems and materials will match existing and be compatible to ease maintenance and operations.

MECHANICAL SPACE REQUIREMENTS

Additional space requirements for new mechanical equipment as well as the need to relocate existing boilers for code required clearances require approximately 300 ft² of additional mechanical space in the existing boiler room/fan room, and a new 400 ft² fan room in the attic space of the new addition.

CODES AND STANDARDS

Mechanical systems will be designed to comply with all current codes and standards including:

Uniform Building Code (UBC), 1982 Edition
Uniform Mechanical Code (UMC), 1982 Edition
Uniform Plumbing Code (UPC), 1982 Edition
Uniform Fire Code (UFC), 1982 Edition

HEATING AND VENTILATION SYSTEMS

1. General:

   Heating will be accomplished by perimeter finned tube radiation with fan coil units in entries. Ventilation will be provided by new air handlers designed to supply a minimum 5 cfm/person outside air, 15 cfm/person total air. Toilets will be exhausted at the rated of 8 air changes/HR. Space air temperatures will be maintained at 70°F (adjustable). During periods of non-use, i.e., nights and weekends, ventilation will be shut down by timers.

2. Heating:

   Two additional circulating loops with pumps will be added to the existing boilers. The added load will reduce the effect of the boiler so that both boilers will have to be operated in cold weather to maintain 70°F, although one boiler alone will prevent freezing in the building upon failure.

3. Heat Recovery:

The existing heat recovery equipment will be expanded as necessary to take full use of available waste heat. All new heating units will be designed to operate effectively with the low grade waste heat. The domestic hot water system will be connected to the heat recovery system.

4. Air Distribution:

Two new fans will provide ventilation. One will serve the southeast addition, one will serve the southwest addition. Fans will be operated by 7-day time clocks. Supply air will be routed through ceiling spaces. Fan rooms will be located above the prospective additions.

5. Exhaust Air Systems:

Toilet room exhaust will discharge to the outdoors through the roof.

6. Humidification:

No humidification system will be provided.

WATER AND SEWER

1. Cold Water:

The existing cold water main is sufficient in size for the new additions. New branch lines will be connected to the existing main inside the building.

2. Sewage:

Two new 4" sewer lines will be installed for the new plumbing fixtures, one for each addition, all connecting to the 6" main on the building exterior.

3. Domestic Hot Water:

Additional hot water requirements can be satisfied by connecting the domestic hot water system to the heat recovery system, to provide back-up for the existing hot water heaters, and to reduce overall fuel consumption.

ROOF DRAINS

No roof drains will be provided. Natural runoff from sloping roofs is the condition for the building additions.

FIRE DETECTION AND PROTECTION SYSTEMS

The existing sprinkler riser is of sufficient capacity to incorporate the addition. New branch lines to the additions will be provided.

A smoke detector system will be provided on each air handling system. Fire dampers will be used on duct penetrations through fire rated partitions.

ELECTRICAL NARRATIVE

SERVICE

The existing 120/208V, 30, 4W utility service from a pole-mounted transformer on the site form an aerial service from the existing power line and will be enlarged to handle the new addition. The existing main switchboard will be used to provide all power requirements for addition. Switchboard is rated 800A, and the existing 600A main breaker will be resized to 800A.

SECONDARY DISTRIBUTION AND BRANCH WIRING

The necessary service equipment is located in the mechanical room, with necessary main devices. Branch circuit panelboards are in the same vicinity, with insulated copper conductors in conduit to the various items of utilization equipment, such as lighting, convenience outlets, and motors. All wiring devices shall be heavy duty, specification grade, of nylon or other high abuse material.

EMERGENCY LIGHTING

Emergency lighting will be provided from existing emergency generator and located to properly illuminate the exitways. Consideration shall be given to self illuminated exit signs requiring no external hookup.

STANDBY POWER

A 30KW, 102/208V, 3Ø diesel-driven engine generator set has been provided to power the entire facility in the event of a utility power failure. This will be accomplished automatically with the necessary transfer switches and interlocks with utility power to prevent coincident power supply to the facility.

LIGHTING

Flourescent fixtures will be utilized as much as possible with industrial type or open strips in utility spaces, and architectural up-lights to match the existing classrooms and corridors. Fixture type will be coordinated with the anticipated ceiling material and the interior design concept of the facility. IES recommended criteria will be utilized in all areas, and it is anticipated that if budget allows, additional lightin may be added to existing classrooms where needed. Necessary site lighting for adequate exterior security lighting will be provided to suit the site extension.

TELEPHONE SYSTEM

Space will be provided for telephone system. A conduit-only system will be provided within the school addition to various phone locations as determined by the Architect.

FIRE ALARM SYSTEM

A fire alarm system is installed in this occupancy. A complete supervised, closed circuit, zoned initiating circuits with battery standby has been provided. Existing system will be intertied with the new fire alarm system.

CLOCKS

Battery operated clocks will be provided in the classrooms.

INTERCOM SYSTEM

An intercom system has been provided for administrative to classroom communication and public address. New intercom systems will be intertied with the existing system.

MISCELLANEOUS SYSTEM

Receptacles and special purpose outlets will be provided as required for necessary equipment.

GROUNDING SYSTEM

Each dry type transformer within the addition shall be grounded, by conductors, to building ground. All branch circuits will have a metallic grounding conductor.

SYSTEMS ESTIMATE SUMMARY

ELEMENTARY SCHOOL ADDITION

PROJECT CODE : DILLINGHAM ELEM SCHOOL
LOCATION : DILLINGHAM, ALASKA
ARCHITECT : LIVINGSTON SLONE
OWNER : DILLINGHAM SCHOOL DIST

NET AREA : 11850 SQ.FT.
GROSS AREA : 11850 SQ.FT.
RATIO - NET TO GROSS : 1/1.000
GROSS VOLUME : CU.FT.
** PROJECTED BID DATE : 00/00/00 **

ESTIMATE NUMBER : 1
ESTIMATE DATE : 02/03/84
NO. OF STORIES : 0
ESTIMATOR : ACMI

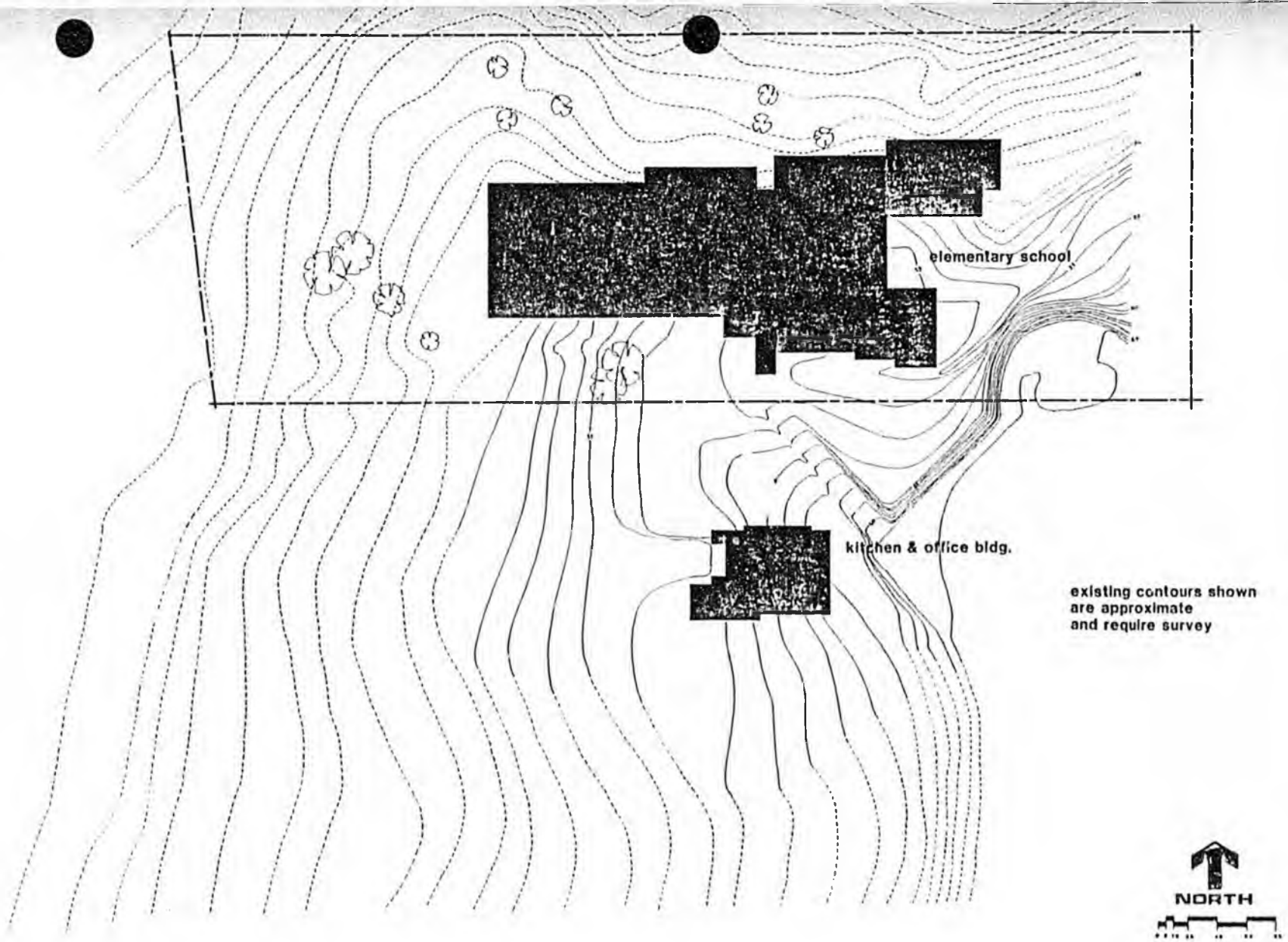
CODE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	COST	COST/S.
DIVISION 01 SITE WORK						
01010	CLEARING	175.0	SQ	10.00	$ 1750	
01020	BUILDING EXCAVATION	2500.0	CY	8.00	$ 20000	
01021	FOOTING EXCAVATION	90.0	CY	12.00	$ 1080	
01022	BACKFILL	725.0	CY	15.00	$ 10875	
01031	GRADE FOR SLAB	119.0	SQ	40.00	$ 4760	
01032	FINISH GRADING	55.0	SQ	25.00	$ 1375	
01041	REMOVE EXTERIOR WALL	1020.0	SF	2.50	$ 2500	
01042	REMOVE INTERIOR WALL	1.0	JOB	1000.00	$ 1000	
01043	DEMOLISH ENTRIES	1.0	EA	500.00	$ 500	
01044	REMOVE RAMP	500.0	SF	2.50	$ 1250	
01045	REMOVE FLOOR COVER	1300.0	SF	1.00	$ 1300	
01051	SITE UTILITIES	1.0	JOB	5000.00	$ 5000	
	DIVISION COSTS				$51390	$4.3
DIVISION 02 FOUNDATION SYSTEMS						
02010	CONCRETE FOOTINGS	550.0	LF	22.00	$ 12100	
02011	FOUNDATION WALL	1650.0	SF	15.00	$ 24750	
02021	DAMPPROOFING	17.0	SQ	75.00	$ 1275	
02022	UNDERSLAB VAPOR BARR	119.0	SQ	20.00	$ 2380	
	DIVISION COSTS				$40505	$3.4
DIVISION 04 FLOOR SYSTEMS						
04010	CONCRETE SLAB	11900.0	SF	4.00	$ 47600	
	DIVISION COSTS				$47600	$4.0
DIVISION 05 WALL SYSTEMS						
05010	EXTERIOR WALLS	8550.0	SF	8.00	$ 68400	
05020	INTERIOR WALLS	6500.0	SF	4.50	$ 29250	
	DIVISION COSTS				$97650	$8.2
DIVISION 06 ROOF SYSTEMS						
06010	ROOF FRAMING	12800.0	SF	12.50	$ 160000	
06011	CLERSTORY FRAMING	4.0	EA	15.00	$ 60	
06021	METAL ROOFING	12800.0	SF	6.00	$ 76800	

ELEMENTARY SCHOOL ADDITION

CODE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	COST	$/S.
06022	ROOF INSULATION	128.0	SQ	2.25	$ 288	
06023	FLASHINGS	650.0	LF	10.00	$ 6500	
06024	ROOF ACCESSORIES	1.0	LOT	3000.00	$ 3000	
06031	MECHANICAL CHASE FRA	3200.0	SF	4.00	$ 12800	
	DIVISION COSTS				$259448	$21.9
DIVISION 07	DOOR/WINDOW SYSTEMS					
07010	INTERIOR DOORS	17.0	EA	450.00	$ 7650	
07020	ENTRY DOORS	12.0	EA	750.00	$ 9000	
07030	FINISH HARDWARE	29.0	SET	400.00	$ 11600	
07040	RELITES	64.0	SF	20.00	$ 1280	
07050	WINDOWS	1110.0	SF	25.00	$ 27750	
	DIVISION COSTS				$57280	$4.8
DIVISION 08	FINISH SYSTEMS					
08010	FLOOR COVER	11850.0	SF	2.75	$ 32588	
08011	BASEBOARD	1100.0	LF	1.75	$ 1925	
08021	ACOUSTICAL CEILING	11850.0	SF	2.25	$ 26663	
08022	GYPBOARD CEILING	.0	SF	0.00	$	
08031	INTERIOR PAINTING	255.0	SF	100.00	$ 25500	
08032	EXTERIOR PAINTING	85.0	SQ	110.00	$ 9350	
08041	MILLWORK	1.0	JOB	10000.00	$ 10000	
	DIVISION COSTS				$105026	$8.9
DIVISION 09	BUILDING SPECIALTIES					
09010	BLINDS & DRAPES	1110.0	EA	5.00	$ 5550	
09051	TOILET PARTITIONS	3.0	EA	500.00	$ 1500	
09061	BATHROOM ACCESSORIES	2.0	SET	600.00	$ 1200	
09071	FIRE EXTINGUISHERS	6.0	EA	150.00	$ 900	
	DIVISION COSTS				$9153	$.7
DIVISION 10	EQUIPMENT/FURNISHINGS					
10021	FURNISHINGS	1.0	LOT	25000.00	$ 25000	
	DIVISION COSTS				$25000	$2.1
DIVISION 11	MECHANICAL SYSTEMS					
11010	PLUMBING	8.0	FIX	2800.00	$ 22400	
11020	HVAC	11850.0	SF	18.00	$ 213300	
	DIVISION COSTS				$235700	$19.8

ELEMENTARY SCHOOL ADDITION

CODE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	COST	COST/S.
DIVISION 12	ELECTRICAL SYSTEMS					
12010	INTERIOR ELECTRICAL	11850.0	SF	14.00	$ 165900	
	DIVISION COSTS				$165900	$14.00
DIVISION 13	OVERHEAD/FEES					
13010	FREIGHT	4500.0	CWT	20.00	$ 90000	
13020	SUBSISTANCE	500.0	MD	100.00	$ 50000	
13030	GENERAL CONDITIONS	15.0	%	12356.49	$ 185347	
13040	CONTRACTOR OVERHEAD	4.0	%	14209.96	$ 56839	
13050	CONTRACTOR PROFIT	15.0	%	14778.36	$ 221675	
13060	BOND & INSURANCE	2.0	%	16995.11	$ 33990	
	DIVISION COSTS				$637852	$53.83
ESTIMATED PROJECT COSTS					$1733501	$146.29

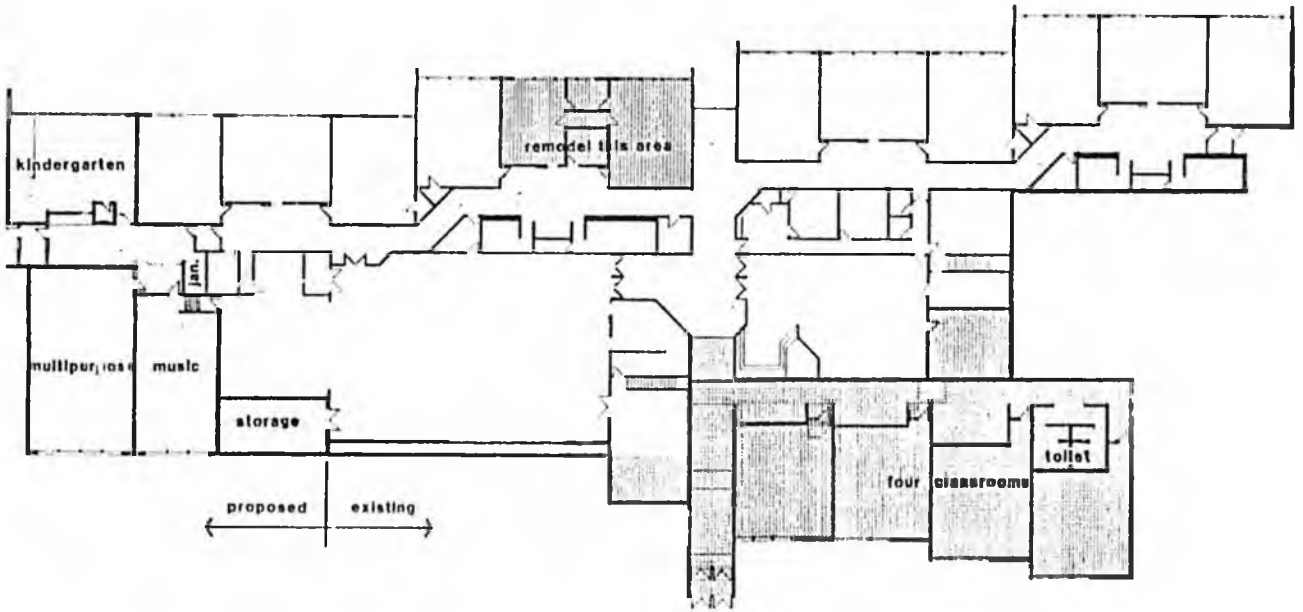


DILLINGHAM ELEMENTARY SCHOOL
SCHEMATIC PHASE ADDITION
DILLINGHAM CITY SCHOOL DISTRICT

LIVINGSTON STONE

SITE PLAN

A1



existing circlation

new space

FLOOR PLAN

NORTH

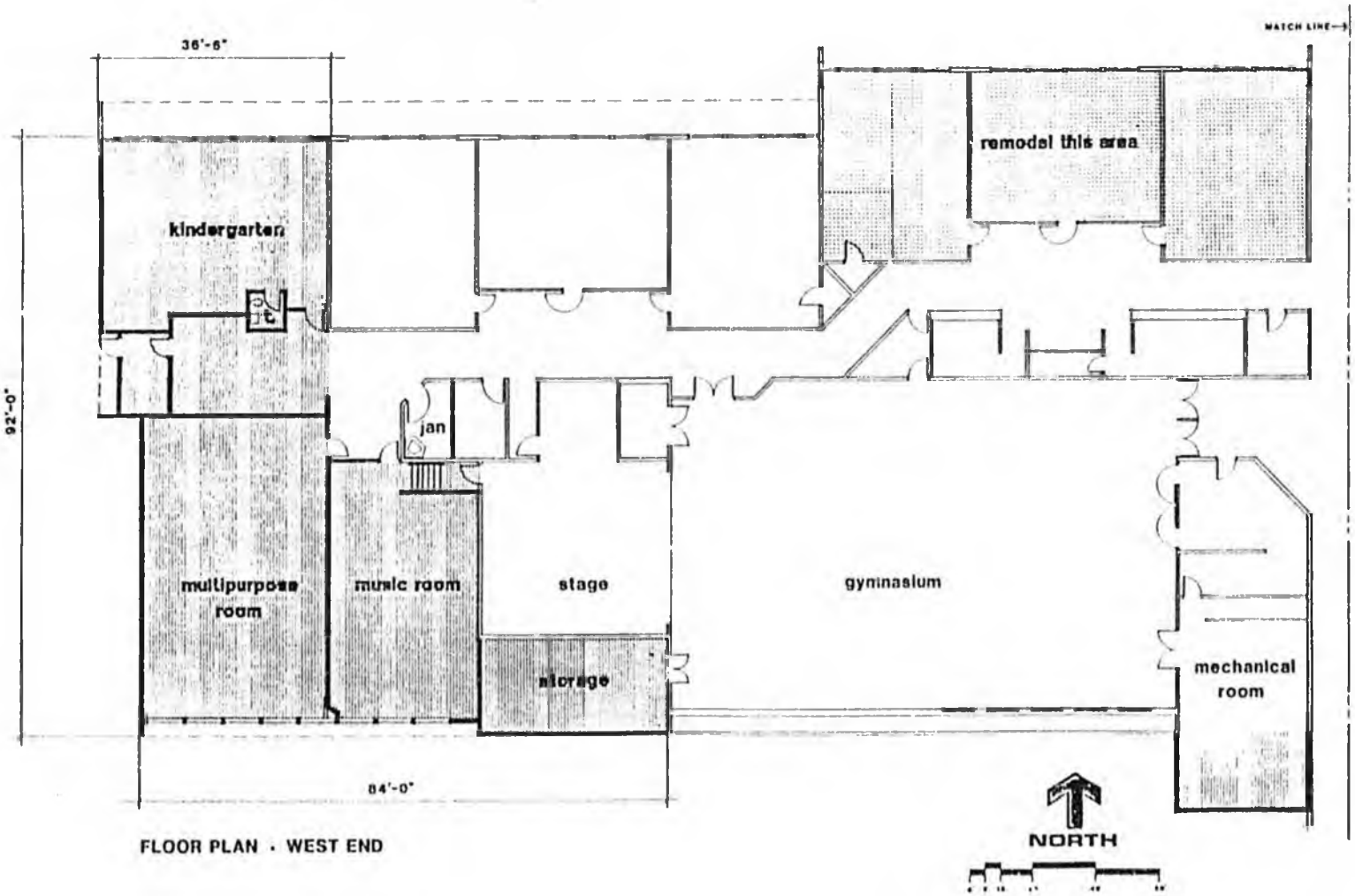
DILLINGHAM ELEMENTARY SCHOOL
SCHEMATIC PHASE ADDITION

DILLINGHAM CITY SCHOOL DISTRICT

LIVINGSTON STONE

FLOOR PLAN

A2



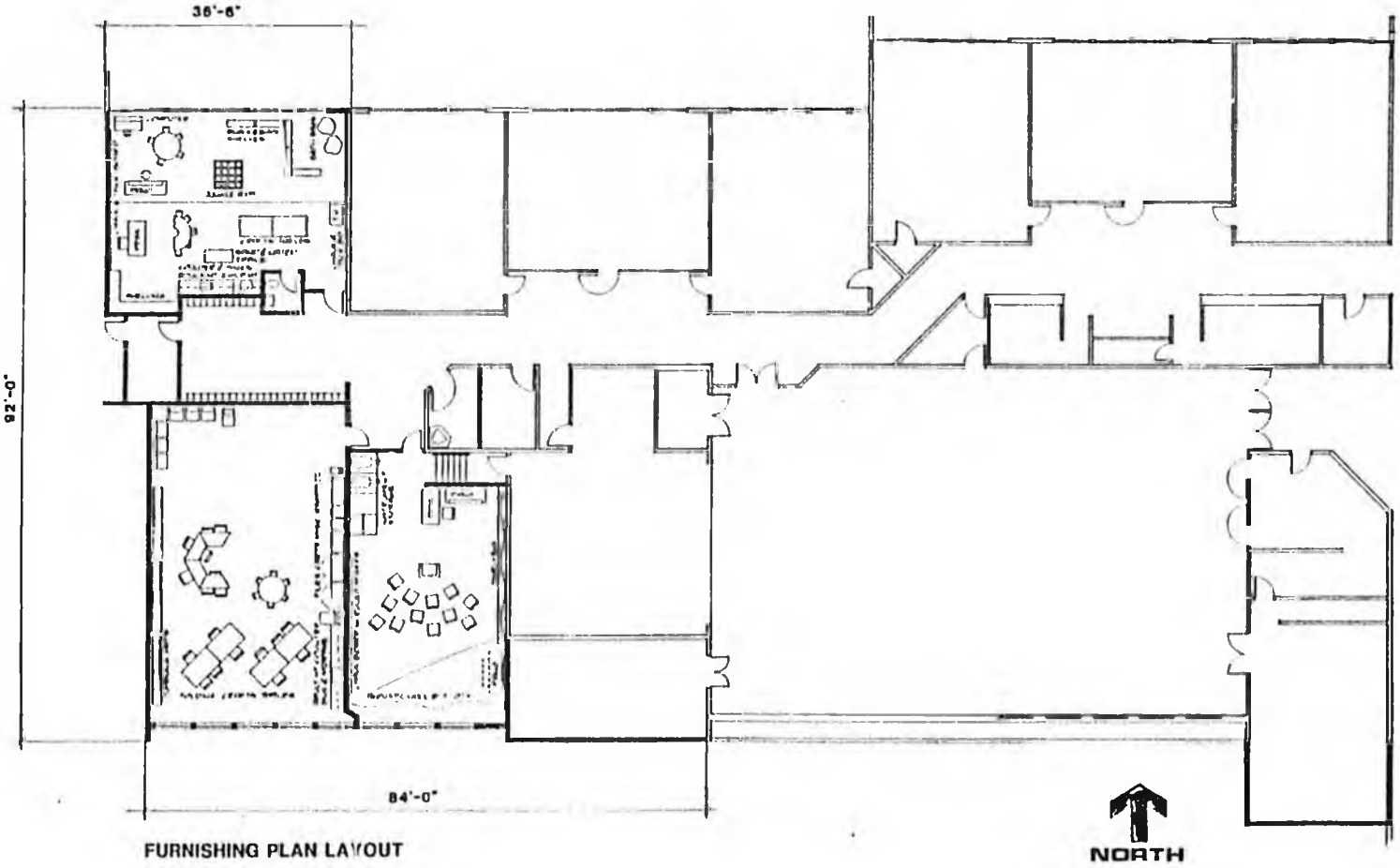
FLOOR PLAN · WEST END

DILLINGHAM ELEMENTARY SCHOOL
SCHEMATIC PHASE ADDITION
DILLINGHAM CITY SCHOOL DISTRICT

LIVINGSTON STONE

FLOOR PLAN

A3



FURNISHING PLAN LAYOUT

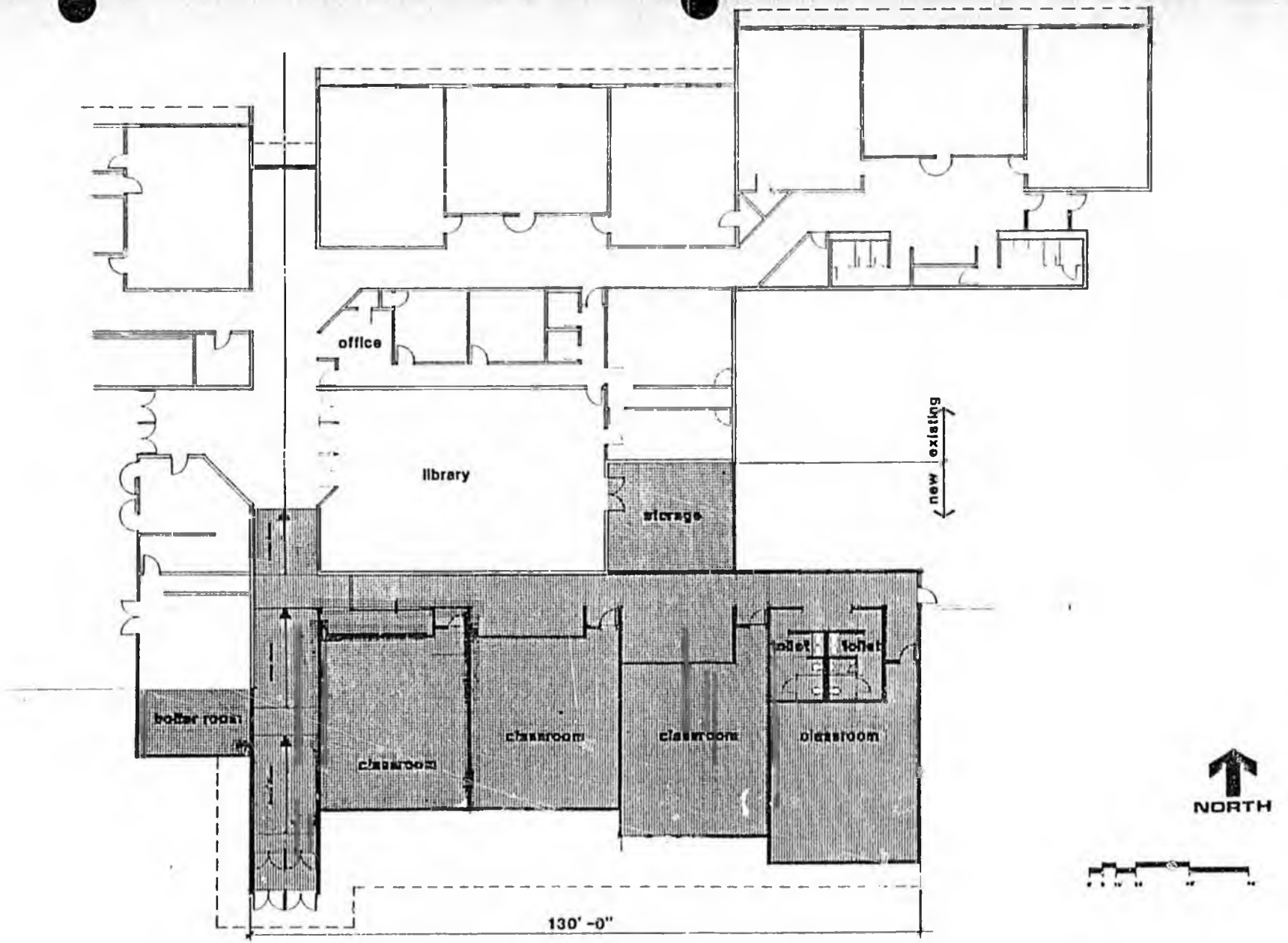
DILLINGHAM ELEMENTARY SCHOOL
SCHEMATIC PHASE ADDITION

DILLINGHAM CITY SCHOOL DISTRICT

LIVINGSTON STONE

FURNISHING PLAN

A4



FLOOR PLAN · EAST END

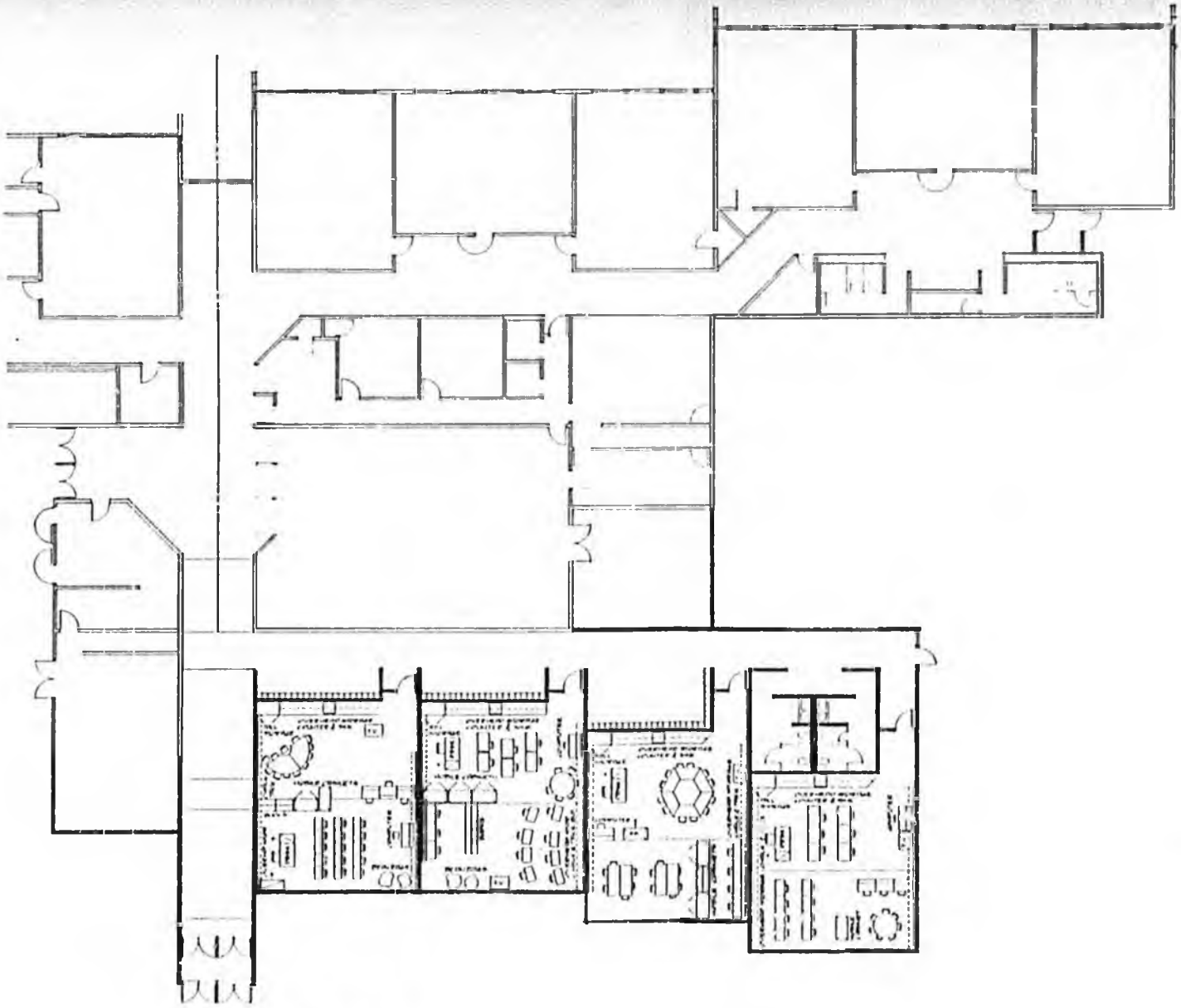
DILLINGHAM ELEMENTARY SCHOOL
SCHEMATIC PHASE ADDITION

DILLINGHAM CITY SCHOOL DISTRICT

HUMPHRIES POULSON

FLOOR PLAN

A5



NORTH

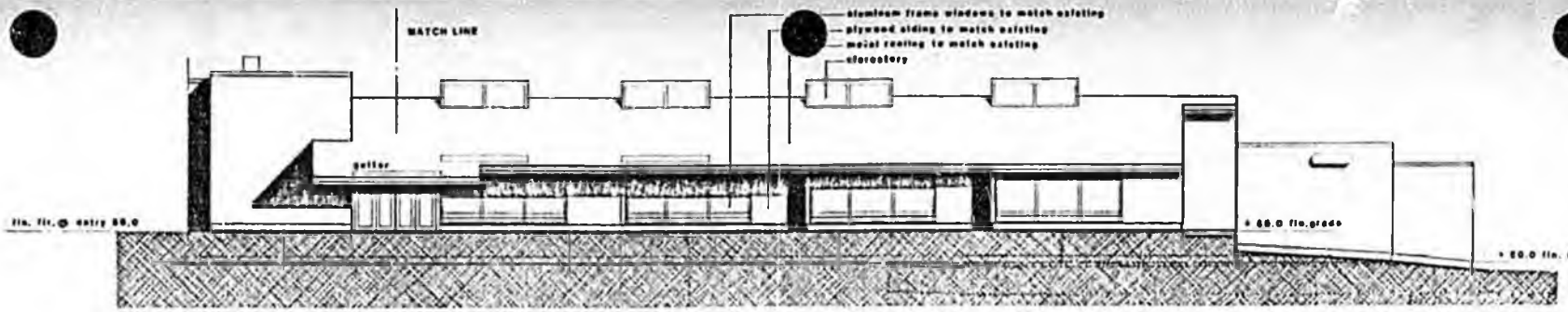
FURNISHING PLAN LAYOUT

DILLINGHAM ELEMENTARY SCHOOL
SCHEMATIC PHASE ADDITION

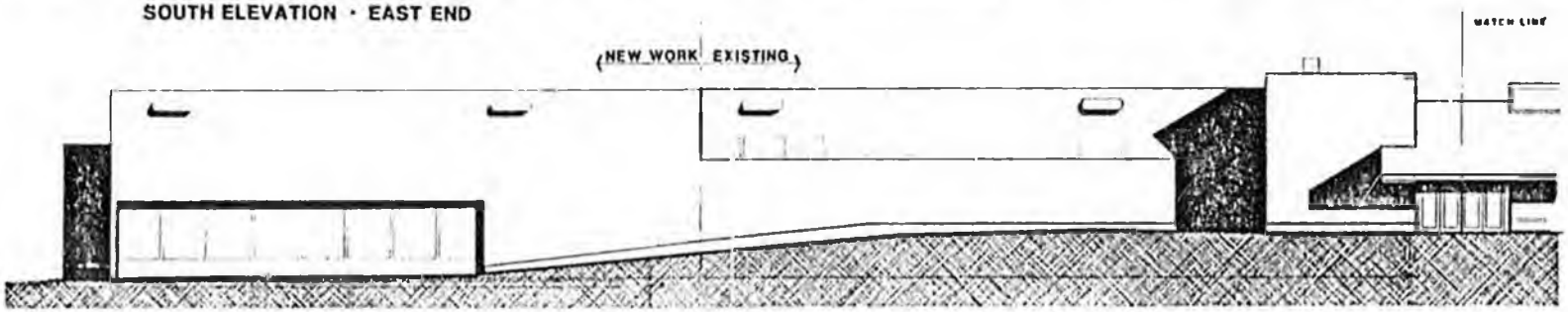
DILLINGHAM CITY SCHOOL DISTRICT

LIVINGSTON STONE

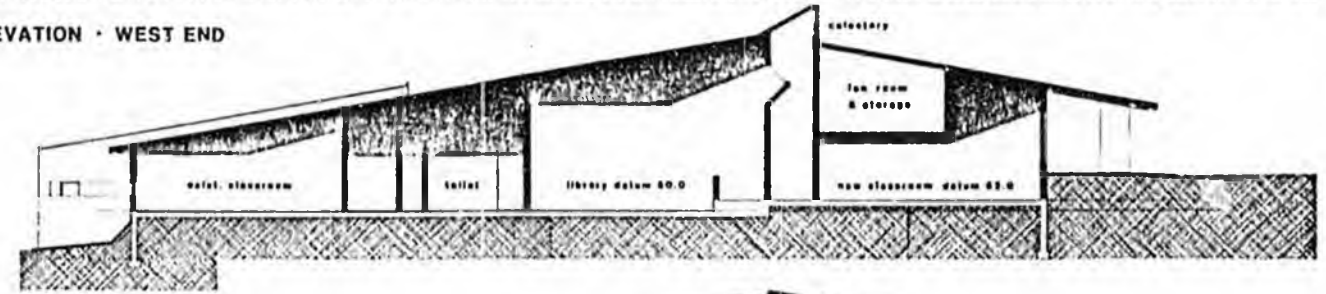
A6



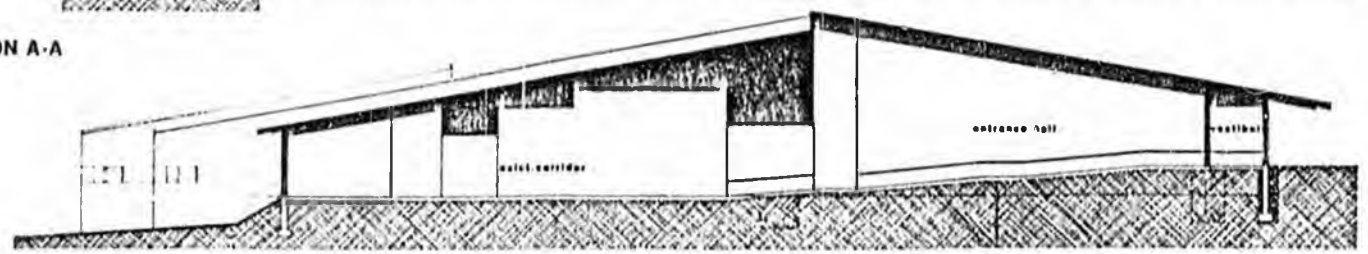
SOUTH ELEVATION · EAST END



SOUTH ELEVATION · WEST END



SECTION A·A



SECTION B·B

DILLINGHAM ELEMENTARY SCHOOL
SCHEMATIC PHASE ADDITION

DILLINGHAM CITY SCHOOL DISTRICT

LIVINGSTON STONE

A7

1.0 Scope of Work

1.1 The scope of work at this phase of design is defined below. Should the project construction cost estimate change during subsequent design phases the scope of work will change also.

1.2 The central office and kitchen building consists of 5,525 square feet of office space on the main level. The lower level consists of 5,525 square feet of kitchen and storage space. These areas include such functional requrements as mechanical rooms, toilet, and stairs.

2.0 Basis of Design

2.1 Architectural:

2.1.1 General: The new central office structure is a two story, concrete slab on grade, wood frame building. One floor is organized to accommodate the administrative offices, the other floor accomodates a central kitchen and storage functions. The office area will provide offices for the superintendent, assistant superintendent, business manager, maintenance supervisor, and a conference room. Workspaces for bookkeeper, payroll clerk, accounts payable clerk, secretaries and receptionist are provided adjacent to the offices. Rooms for mail sorting, office supplies, and a computer are provided. Restrooms and a public waiting area comprise the remainder of functions of the upper floor. The lower floor provides a truck loading dock set into the sloping grade of the site. This dock serves both to receive district supplies as well as distribution of meals as produced by the kitchen. The kitchen is provided with a hot cart parking area with cooler and freezers adjacent. Storage and boiler room complete the functions accommodated on this level. Access to the office level will be from the parking area common to the high school with vehicular access to the loading provided by a new roadway as defined in the Master Plan document.

2.1.2 The Building Site and Master Plan:

1. Location: The project is located to the south of the elementary school on adjacent property. This provides convenient transfer of meals while assuring that the identity of administrative functions remain separate from the elementary and high schools.

2. Master Plan: The building is sited to allow expansion and yet remain compatible with the possible future construction of a middle school and swimming pool facility. Additionally the sloping site has been used to reduce effects from vehicle traffic into and from the kitchen remaining separate from the schools arrival-delivery and parking areas. This eliminates student walkways conflicting with truck traffic.

3. Utilities: This project has the potential of being connected to the waste heat line but will be provided with oil storage tank for the buildings boilers. Telephone, power, water, and sewer are available close by but

may require extensions of existing service lines.

2.1.3 Building Technologies, Assemblies:

1. Floors: Flooring in first floor storage areas shall be hardened concrete with sealer. Floors in the food handling and kitchen areas shall receive a non-skid quarry tile. Floors in the office areas shall be carpeted. Toilet rooms shall receive ceramic tile floors and base.

2. Wall Assemblies: Exterior wall construction in retaining condition will be concrete with insulation and damp proofing applied to the exterior. Walls above grade shall be of wood framing, plywood sheathed with an infiltration barrier and horizontal cedar siding applied to the exterior. Interior components of the wall assembly shall consist of fiberglass insulation, vapor barrier and gypsum wallboard. Toilet room areas shall have water resistant gypsum wallboard as back up for ceramic tile wall finish. Interior partition assemblies shall be wood studs, sound board, and gypsum wallboard with paint and wall fabric finishes.

3. Roof Assembly: The roof assembly consists of wooden roof trusses spanning between primary beams. Gypsum wallboard applied over a vapor barrier serves as interior finish. Fiberglass insulation, vented at the perimeter, and a plywood deck with a metal roof comprise the exterior materials, in an assembly known as a cold roof i.e., no direct thermal conductivity to the roof surface continuous with the insulation layer.

4. Windows: The window system shall be a double glazed, thermal break, aluminum frame system with operable casement units provided with a system of fixed mullion glazing. Glazing shall be clear float glass in 1" dimension with 1/2" insulating airspace between panes.

5. Exterior Door Assemblies: Exterior door assemblies will be painted steel frames with painted steel doors with tempered glass vision inserts at entrances. Loading dock

shall have sectional upward acting insulated steel door.

6. Interior Door Assemblies: Interior door assemblies shall be hollow metal frames of 3' width with rotary cut red oak doors in office areas. High frequency doors in kitchen shall have spring return hinges and suitable stainless steel protective plates attached to wear zones.

7. Interior Finishes: Interior walls in office space shall be painted with accent walls given application of wall fabric. Kitchen walls to receive semigloss enamel paint system. Floors in office areas shall be carpeted. Toilet room finishes shall be ceramic tile floors and walls, stainless steel fittings and partitions. Kitchen finishes shall be stainless steel and quarry tile.

STRUCTURAL NARRATIVE

GENERAL

The scope of work under this section is to provide the structural design for the construction of the Dillingham City School District Office and Kitchen Building in accordance with all applicable State and local building and fire codes.

STANDARDS

All materials and methods shall conform to the latest rules, regulations and/or specifications of the following authorities:

American Society for Testing Materials (ASTM)
American Concrete Institute (ACI)
American Institute of Steel Construction (AISC)
American Welding Society (AWS)
National Board of Fire Underwriters (NBFU)
American Institute of Timber Construction (AITC)
Uniform Building Code (1982)
American Plywood Association (APA)

STRUCTURAL FEATURES:

1. General:

   The structure as proposed will have a full basement which will be daylighted on the west side to allow for an at-grade loading dock. The second floor will consist of school district central office space and conference areas. An open ceiling is anticipated which will include skylights.

2. Foundation:

   The foundation of the structure will consist of concrete strip and spread footings to distribute loads to the soils. Allowable soil loads would determined by a soils investigation and recommendations by a Geotechnical Engineer. The basement walls of the structure will be cast-in-place reinforced concrete. The concrete walls will have the required strength to resist the lateral soil pressures against them and the durability needed around the loading dock area.

3. Framing System:

   Roof and main floor loads will be supported by load bearing, wood framed walls and where required, glu-laminated beams and columns.

Plywood sheathing with the appropriate nailing patterns will be utilized to resist wall shears caused by lateral loading.

4. Floor Framing:

The main floor will consist of plywood on wood truss framing members. The location of bearing walls and columns in the basement will dictate the depth and spacing of the trusses. A good stiff floor is important in an office environment and will be provided through proper thickness of the plywood and selection of trusses. The floor diaphragm will also resist lateral loading from wind and seismic events.

5. Roof:

The roof system will be a heavy timber system composed of the heavy timber glu-lam beams and a tongue and groove decking. It is anticipated that the tongue and groove planks will be exposed to the inside, and the insulation will be on the exterior. The beams will carry the roof loads to posts located within bearing walls. The decking will serve a diaphragm to carry lateral loads to the shear walls.

DESIGN LIVE LOADS

1. Roof, Snow Load: 35 psf plus drifting

2. Floor:

Office Areas	50 psf
Corridors and Stairs	100 psf
Mezzanines and Storage	125 psf

3. Wind: UBC, 100 mph

4. Seismic: UBC, Zone 2

Design loads may be modified as site information is collected.

MECHANICAL NARRATIVE

GENERAL

The proposed project is a new ±8900 ft² two story building located in Dillingham, Alaska. The lower level will be kitchen, storage, and mechanical room and the upper level contains office areas, restrooms, and mechanical room.

MECHANICAL SPACE REQUIREMENTS

Mechanical space requirements for a building of this type will approximate 400 square feet. Housed in the lower mechanical room will be two boilers, circulating pumps, domestic hot water heater and storage tank. The upper level mechanical room will house the ventilation fan for the building area. Space in both mechanical rooms will be available for electrical equipment.

CODES AND STANDARDS

Mechanical systems will be designed to comply with all applicable codes and standards, latest adopted editions including:

Uniform Building Code (UBC), 1982 Edition
Uniform Mechanical Code (UMC), 1982 Edition
Uniform Plumbing Code (UPC), 1982 Edition
Uniform Fire Code (UFC), 1982 Edition

HEATING AND VENTILATION SYSTEMS

1. General:

   Temperatures and supply and exhaust air change rates will be maintained at the following levels:

Office areas:	72 degrees F (adj)	4 AC/HR
Conference room:	72 degrees F (adj)	8 AC/HR
Toilets:	70 degrees F (adj)	8 AC/HR
Storage:	68 degrees F (adj)	2 AC/HR
Kitchen:	70 degrees F (adj)	Make-up Air

2. Air Distribution:

   The ductwork will be routed through the lower ceiling spaces for both levels. The fan will have a outside air connector for fresh/cooling air. A seven day time clock will cycle fan off during non-use periods.

3. Heating:

Perimeter baseboard with individual room zones will provide heating. Glycol will be used.. Fan coil units in entries and near loading dock will provide quick pick-up heating to offset periodic large infiltration rates. One of the two boilers will provide 100% standby capacity. Main circulation pumps will be shut off automatically when outside air temperature is 60°F (adj) or above.

4. Exhaust Air System:

Toilet areas will be exhausted direclty to the outdoors. The kitchen range exhaust will be through the roof, with a roof mounted exhaust fan. The ductwork will extend from the kitchen to the roof in a properly designed 1 HR shaft.

WATER AND SEWAGE SERVICE

A new 4" sewer and 4" cold water service will be required. The water line will connect to the existing 6" transite main serving the grade school. New services will be coordinated with local authorities.

PLUMBING SYSTEM

Toilet fixtures will be wall hung flush valve type for reliability and sanitation. Kitchen waste line will have back flow prevention to eliminate any potential sewage in kitchen area. A grease trap will be provided. The cold water main will be 2".

DOMESTIC HOT WATER

A large storage hot water heater will be provided to accommodate dishwashing. A supply temperature of 140°F will be available for dishwasher. A separate oil fired hot water heater will be used.

FIRE DETECTION AND PROTECTION SYSTEMS

An automatic wet sprinkler system will be provided, with fire department connection, using a 4" main riser. Each room or area will be served by heat sensitive heads.

A smoke detector system will be provided on the air handling unit. All ductwork will have fire dampers when penetrating fire separation walls.

An Ansul fire extinguishing system will be provided for the kitchen hood.

ELECTRICAL NARRATIVE

SERVICE

A new utility service from a pole-mounted transformer on the site from an aerial service from the existing power line will be coordinated with the City when specific requirements have been determined. Depending on installed equipment, the service may be single or three phase, with an initial capacity of approximately 45 KVA. Building service ground will be provided by connection of service entrance equipment tc three driven ground rods.

SECONDARY DISTRIBUTION AND BRANCH WIRING

The necessary service equipment is anticipated to be located in the mechanical room, with necessary main devices. Branch circuit panelboards will probably be in the same vicinity, with insulated copper conductors in conduit to the various items of utilization equipment, such as lighting, convenience outlets, and motors.

EMERGENCY LIGHTING

Emergency lighting will be provided from battery units located to properly illuminate the exitways. Consideration shall be given to self illuminated exit signs requiring no external hookup and egress lighting accomplished by battery operated flourescent lamps in 2'x4' fixtures.

STANDBY POWER

A diesel-driven engine generator set will be provided to power the entire facility in the event of a utility power failure. This will be accomplished automatically with the necessary transfer switches and interlocks with utility power to prevent coincident power supply to the facility.

LIGHTING

Flourescent fixtures will be utilized as much as possible with industrial type or open strips in utility spaces, and 2'x4' lay-in type flourescent fixtures utilizing energy-saving ballasts and lamps in offices and corridors. Fixture type will be coordinated with the anticipated ceiling material and the interior design concept of the facility. IES recommended criteria will be utilized in all areas. Necessary site lighting for adequate exterior security lighting will be provided to suit the site selected.

TELEPHONE SYSTEM

Space will be provided for telephone service. The service will be coordinated with the utility company to provide an underground or overhead supply as determined necessary. A conduit-only system will be provided within the facility to various phone locations as determined by the Architect.

FIRE ALARM SYSTEM

A fire alarm system is required for this occupancy. With the sprinkler system, the manual system will give an additional degree of protection for early warning.

INTERCOM SYSTEM

An intercom system will use the telephone system for distribution. Intercom equipment will allow direct 2-way communications, all-call, and emergency call capabilities.

MISCELLANEOUS SYSTEMS

Receptacles and special purpose outlets will be provided as required for necessary equipment. All wiring devices shall be heavy duty, specification grade, of nylon or other high abuse material.

GROUNDING SYSTEM

Each dry type transformer within the facility will be grounded, by conductors, to building ground. All branch circuits will have a metallic grounding conductor. Plumbing and heating piping will be electrically bonded to building grounding system.

SYSTEMS ESTIMATE SUMMARY

NEW OFFICE/KITCHEN BUILDING

PROJECT CODE : DILLINGHAM ELEM SCHOOL
LOCATION : DILLINGHAM, AK
ARCHITECT : LIVINGSTON SLONE
OWNER : DILLINGHAM SCHOOL DIST

NET AREA : 11050 SQ.FT.
GROSS AREA : 11050 SQ.FT.
RATIO - NET TO GROSS : 1/1.000
GROSS VOLUME : CU.FT.
** PROJECTED BID DATE : 00/00/00 **

ESTIMATE NUMBER : 1
ESTIMATE DATE : 02/03/84
NO. OF STORIES : 0
ESTIMATOR : ACMI

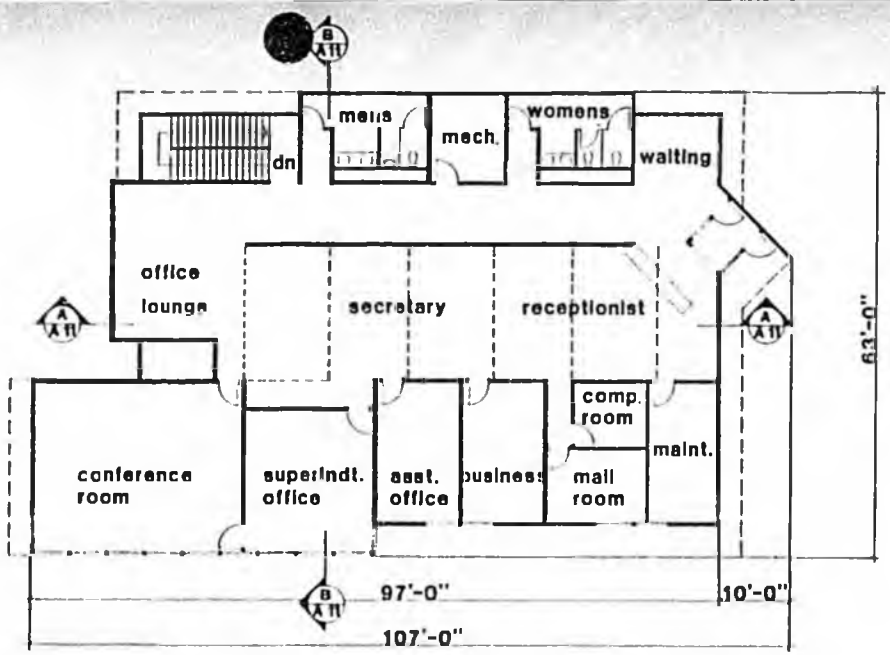
CODE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	COST	COST/S.
DIVISION 01	SITE WORK					
01010	CLEARING	140.0	SQ	10.00	$ 1400	
01020	BUILDING EXCAVATION	1800.0	CY	8.00	$ 14400	
01021	FOOTING EXCAVATION	50.0	CY	10.00	$ 500	
01022	BACKFILL	400.0	CY	15.00	$ 6000	
01031	GRADE FOR SLAB	55.0	SQ	40.00	$ 2200	
01032	FINISH GRADING	50.0	SQ	25.00	$ 1250	
01041	SITE UTILITIES	1.0	JOB	15000.00	$ 15000	
	DIVISION COSTS				$40750	$3.6
DIVISION 02	FOUNDATION SYSTEMS					
02010	CONCRETE FOOTINGS	325.0	LF	22.00	$ 7150	
02011	CONCRETE WALL	1300.0	SF	15.00	$ 19500	
02021	DAMPPROOFING	13.0	SQ	75.00	$ 975	
02022	UNDERSLAB VAPOR BARR	55.0	SQ	20.00	$ 1100	
	DIVISION COSTS				$28725	$2.5
DIVISION 03	STRUCTURAL SYSTEMS					
03010	SECOND FLOOR FRAMING	5525.0	SF	13.00	$ 71825	
	DIVISION COSTS				$71825	$6.5
DIVISION 04	FLOOR SYSTEMS					
04010	CONCRETE SLAB	5525.0	SF	4.00	$ 22100	
04030	RAMP & RAIL	400.0	SF	18.00	$ 7200	
	DIVISION COSTS				$29300	$2.6
DIVISION 05	WALL SYSTEMS					
05010	EXTERIOR WALLS	5500.0	SF	8.00	$ 44000	
05020	INTERIOR WALLS	6150.0	SF	4.50	$ 27675	
	DIVISION COSTS				$71675	$6.4
DIVISION 06	ROOF SYSTEMS					

NEW OFFICE/KITCHEN BUILDING

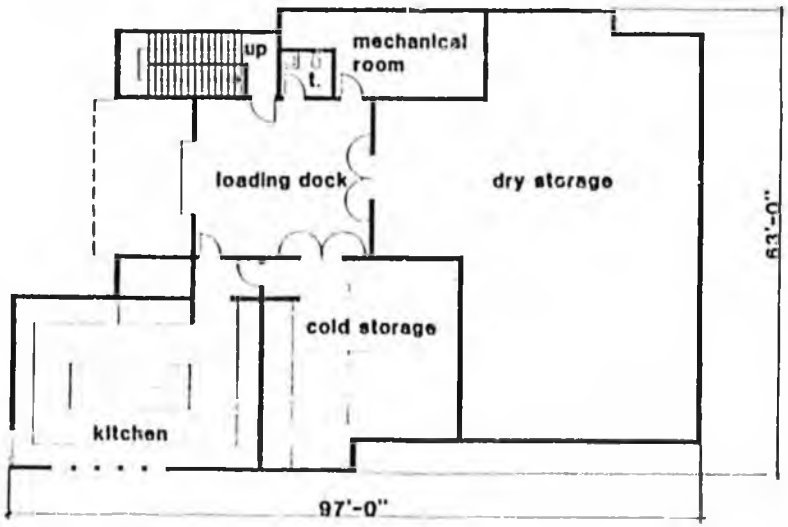
CODE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	COST	$/S.
05011	CLESTORY FRAMING	3.0	EA	1500.00	$ 4500	
06021	METAL ROOFING	6400.0	SF	6.00	$ 38400	
06022	ROOF INSULATION	6400.0	SF	2.25	$ 14400	
06023	FLASHINGS	350.0	LF	10.00	$ 3500	
06024	ROOF ACCESSORIES	1.0	LOT	1500.00	$ 1500	
	DIVISION COSTS				$143300	$12.67
DIVISION 07	DOOR/WINDOW SYSTEMS					
07010	INTERIOR DOORS	23.0	EA	450.00	$ 10350	
07020	ENTRY DOORS	2.0	EA	750.00	$ 1500	
07030	FINISH HARDWARE	25.0	EA	400.00	$ 10000	
07040	SELITES	100.0	SF	20.00	$ 2000	
07050	WINDOWS	1140.0	SF	25.00	$ 28520	
	DIVISION COSTS				$52350	$4.73
DIVISION 09	FINISH SYSTEMS					
09010	FLOOR COVER	11050.0	SF	2.75	$ 30388	
09011	BASEBOARD	775.0	LF	1.75	$ 1356	
09021	ACOUSTICAL CEILING	4000.0	SF	2.25	$ 9000	
09022	GYPBOARD CEILING	7200.0	SF	1.50	$ 10800	
09031	INTERIOR PAINTING	245.0	SF	100.00	$ 24500	
09032	EXTERIOR PAINTING	60.0	SQ	110.00	$ 6600	
09041	MILLWORK	1.0	JOB	7500.00	$ 7500	
	DIVISION COSTS				$90144	$8.15
DIVISION 09	BUILDING SPECIALTIES					
09010	BLINDS & DRAPES	1000.0	EA	5.00	$ 5000	
09051	TOILET PARTITIONS	3.0	EA	500.00	$ 1500	
09061	BATHROOM ACCESSORIES	3.0	SET	800.00	$ 2400	
09071	FIRE EXTINGUISHERS	4.0	EA	150.00	$ 600	
	DIVISION COSTS				$9500	$.85
DIVISION 10	EQUIPMENT/FURNISHINGS					
10011	KITCHEN EQUIPMENT	1.0	LOT	125000.00	$ 125000	
10012	COLD STORAGE ROOM	1.0	EA	10000.00	$ 10000	
10021	FURNISHINGS	1.0	LOT	20000.00	$ 20000	
	DIVISION COSTS				$155000	$14.02
DIVISION 11	MECHANICAL SYSTEMS					
11010	PLUMBING	12.0	FIX	2800.00	$ 33600	

NEW OFFICE/KITCHEN BUILDING

CODE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	COST	COST/S.
11020	HVAC	11050.0	SF	18.00	$ 198900	
	DIVISION COSTS				$232500	$21.2
DIVISION 12	ELECTRICAL SYSTEMS					
12010	INTERIOR ELECTRICAL	11050.0	SF	14.00	$ 154700	
	DIVISION COSTS				$154700	$14.0
DIVISION 13	OVERHEAD/FEES					
13010	FREIGHT	4500.0	CWT	20.00	$ 90000	
13020	SUBSISTANCE	500.0	MD	100.00	$ 50000	
13030	GENERAL CONDITIONS	15.0	%	12187.69	$ 182815	
13040	CONTRACTOR OVERHEAD	4.0	%	14015.84	$ 56063	
13050	CONTRACTOR PROFIT	15.0	%	14576.47	$ 218647	
13060	BOND & INSURANCE	2.0	%	16782.94	$ 33525	
	DIVISION COSTS				$631051	$57.1
ESTIMATED PROJECT COSTS					$1709820	$154.7



FIRST FLOOR PLAN



GROUND FLOOR PLAN

area tabulations :

office level :	4080 sq. ft.
kitchen :	1670 sq. ft.
storage :	3167 sq.ft.
total :	8926 sq. ft.

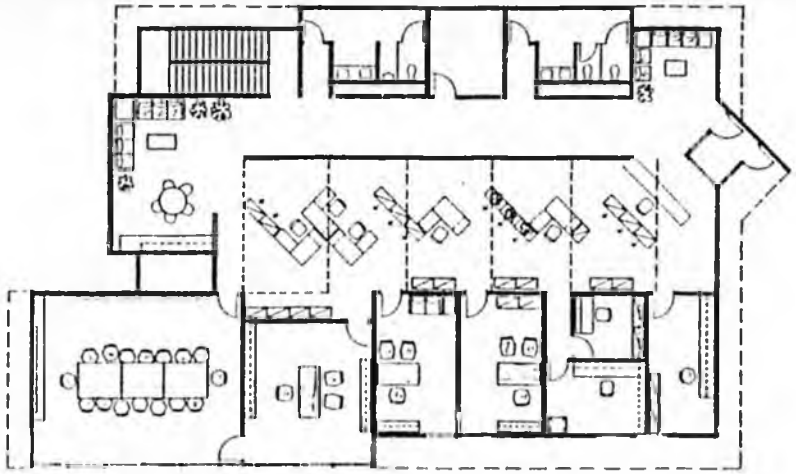
NORTH

CENTRAL OFFICE & KITCHEN FACILITY
SCHEMATIC PHASE
DILLINGHAM CITY SCHOOL DISTRICT

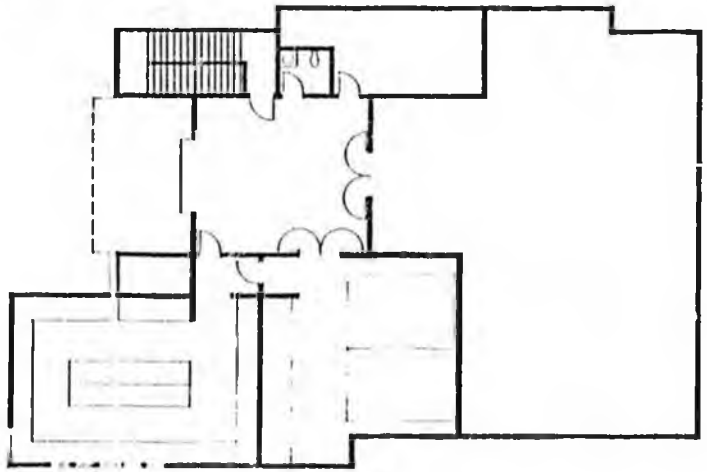
LIVINGSTON STONE

FLOOR PLANS

A3



FIRST FLOOR PLAN



GROUND FLOOR PLAN

NORTH

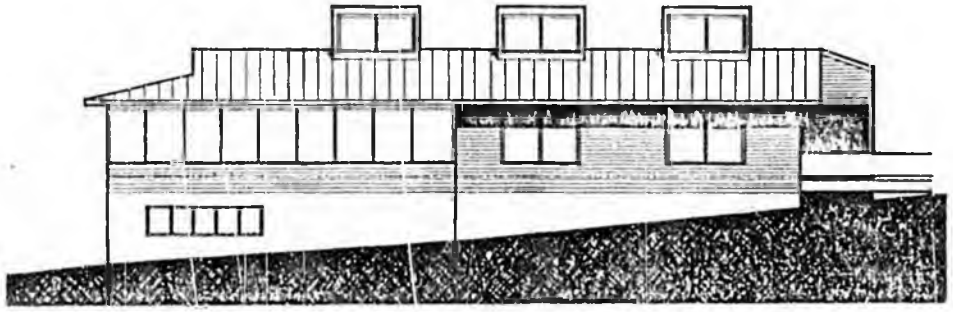
CENTRAL OFFICE & KITCHEN FACILITY
SCHEMATIC PHASE

DILLINGHAM CITY SCHOOL DISTRICT

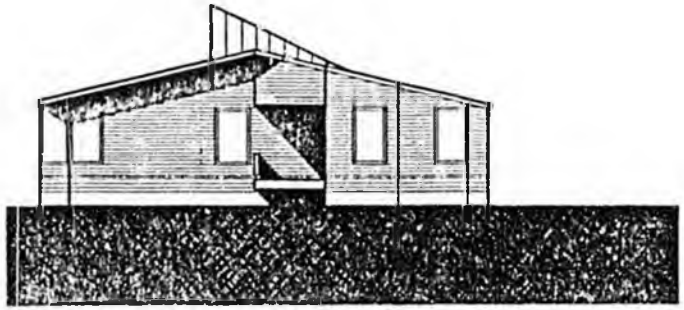
LIVINGSTON STONE

TURNING PLAN

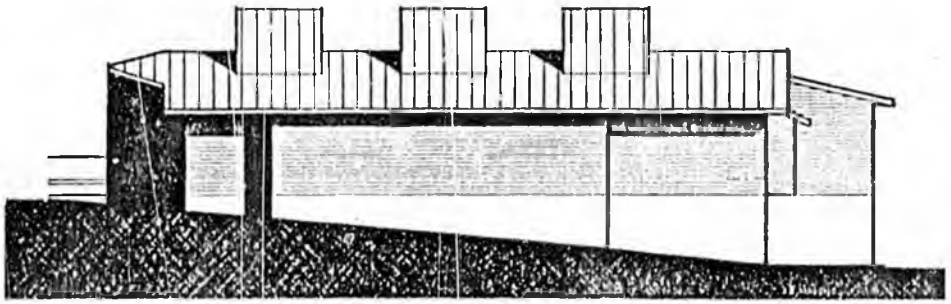
A9



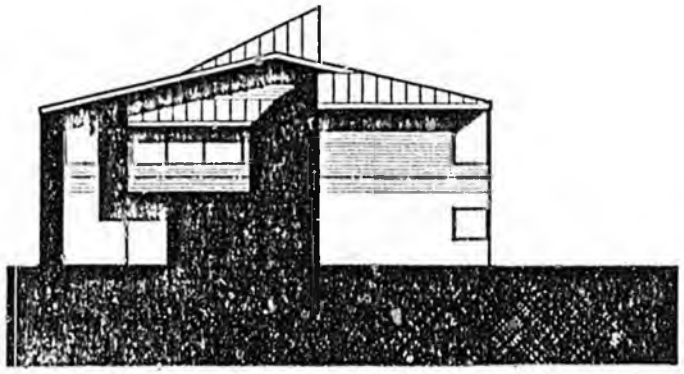
SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION



WEST ELEVATION

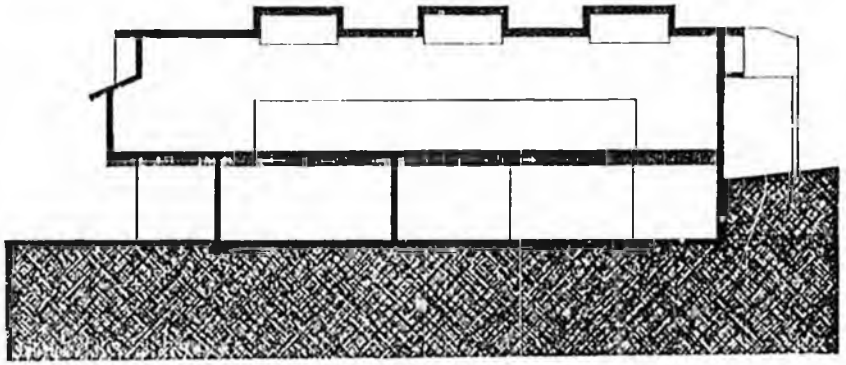
CENTRAL OFFICE & KITCHEN FACILITY
SCHEMATIC PHASE

DILLINGHAM CITY SCHOOL DISTRICT

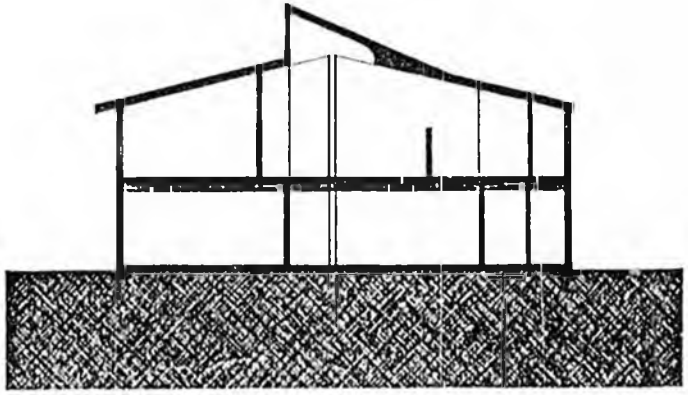
LIVINGSTON STONE

EXTERIOR ELEVATIONS

A10



SECTION A



SECTION B

CENTRAL OFFICE & KITCHEN FACILITY
SCHEMATIC PHASE

DILLINGHAM CITY SCHOOL DISTRICT

LIVINGSTON STONE

BUILDING SECTIONS

A11

Bristol Bay Borough
BOX 189 • NAKNEK, ALASKA 99633

JIM D. CLARK
MAYOR

TELEPHONE
(907) 246-4224

RESOLUTION NO. 83-27

A RESOLUTION ESTABLISHING THE BOROUGH'S LEGISLATIVE DOCKET FOR FY 85.

THE BOROUGH OF BRISTOL BAY HEREBY RESOLVES:

WHEREAS, important items which affect the lives of citizens in Bristol Bay Borough are introduced and debated each year in the legislature, and

WHEREAS, the Borough's limited tax base makes it necessary to get assistance from the State of Alaska for the provision of basic governmental services.

NOW THEREFORE BE IT RESOLVED, that the Borough Assembly adopts the attached Legislative Docket as representing the needs and concerns of the citizens of Bristol Bay Borough.

Passed this 19th day of December, 1983.

Jim D. Clark
Mayor

ATTEST:

Betty L. Thompson
Borough Clerk

2

SCHOOL IMPROVEMENTS

SCHOOL IMPROVEMENTS

INTRODUCTION

Bristol Bay Borough High School is in need of immediate remodeling and reorganization of the school facility. Initially built in 1968 to accomodate a complete K-12 educational program, the building has since been modified to facilitate a comprehensive high school program. Throughout the modification the school has evolved from an "open-space" design to a "self-contained" classroom design. During the fifteen years since original construction, the facility needs have grown beyond the capacity of the initial structure. Therefore, the following remodeling/construction plan is jointly submitted by Bristol Bay Borough School District and Bristol Bay Borough to effectively resolve critical facility deficiencies in Bristol Bay High School.

DESCRIPTION OF NEEDS

A description of critical needs include but are not limited to the following:

1. Health and Life Safety Needs

    a. Unsanitary health conditions in locker-room areas.
    b. Home Economics area does not meet emergency codes as established by the state fire marshall's office.
    c. Inadequate storage areas force equipment storage in crowded hallways.
    d. Ventilation system does not adequately provide circulated air into academic areas.
    e. Plumbing system requires extensive repair and replacement due to increased use and severe mineral deposits in fresh water source.

2. Unhoused Students

    a. Due to increased enrollment the elementary school is one classroom short. This deficiency would be rectified with construction of additional classrooms to accommodate a 6-8 grade middle school program.
    b. Academic programs are restricted or eliminated due to lack of adequate space, e.g., computing, arts and electronics.

3. Protection of Structure

    a. Exterior walls are not adequately insulated and most interior walls are made of temporary non-sound proof and non-fire retardent material.

THE PLAN

This proposed remodeling/construction project is part of a long range facility master plan with previous capital projects funded via local bonding effort. The plan was developed to provide maximum benefit to students and residents served by the District. Significant effort has been made to provide a plan that meets educational needs while providing improved educational and community services to district residents.

This entire capital project is supported by a recently completed feasibility study and estimated expense is $5,193,000 for the total project.

COST SUMMARY

PHASED PRIORITY AND ESTIMATED EXPENSE

1. Classroom addition, Instructional media center, Locker rooms and Offices.

Area - Estimated expense: $1,777,500 plus 10% for each year delayed.

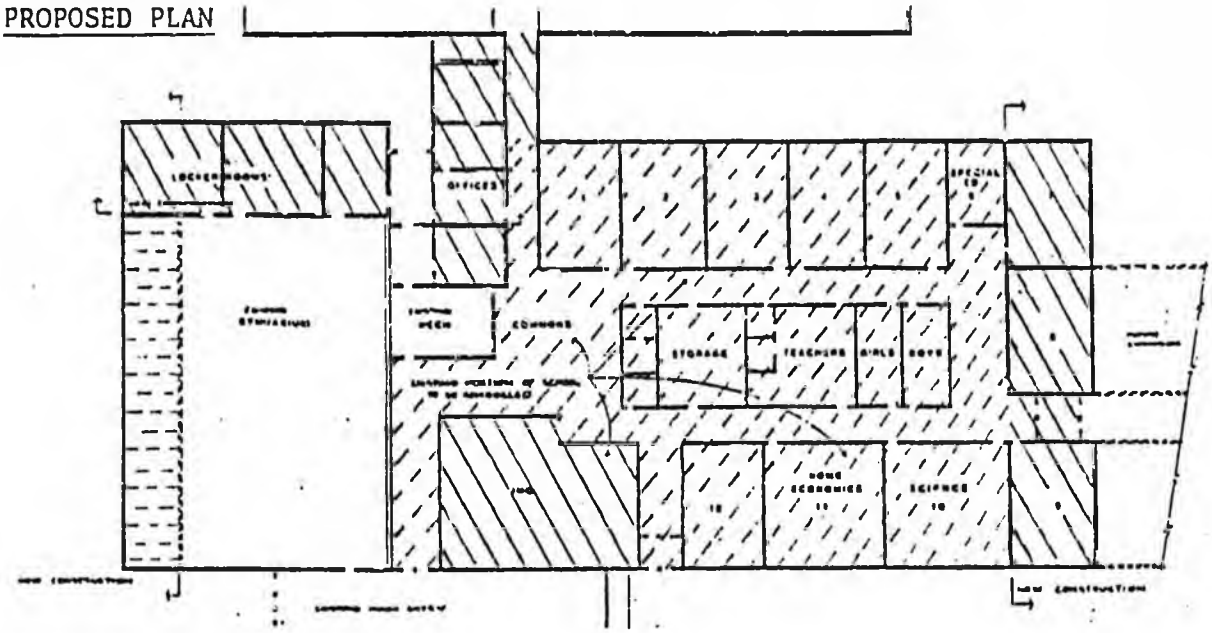
2. Remodel academic area

Area - Estimated expense: $2,875,000 plus 10% for each year delayed.

3. Gymnasium extension

Area - Estimated expense: $ 540,500 plus 10% for each year delayed.

PROPOSED PLAN



PHASE BREAKDOWN

The following capital project is proposed jointly by Bristol Bay Borough School District and Bristol Bay Borough for remodeling the high school in Naknek, Alaska. Total estimated expense for the entire project, assuming total funds are available, is $5,193,000.

Even though this proposal is submitted as a total project, the plan is illustrated in a phased approach to resolve critical facility deficiencies while keeping estimated expenses at a reasonable level.

PHASE I

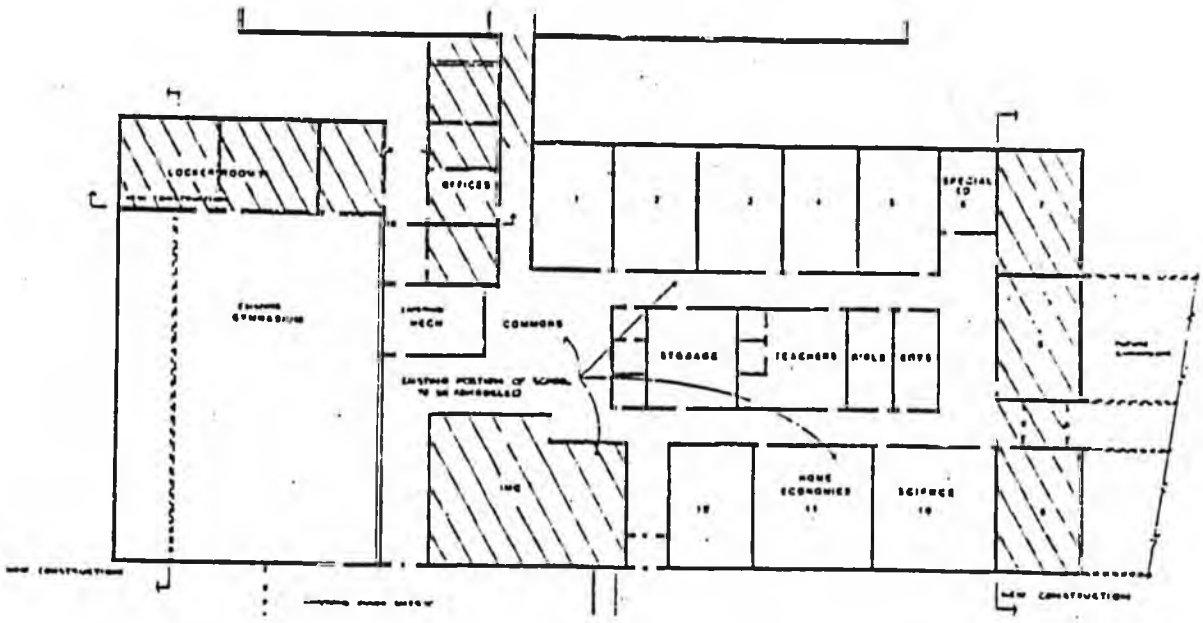
CLASSROOM ADDITION, IMC - LOCKER ROOM AREA AND OFFICES

This phase would result in the construction of three new classrooms, an Instructional Media Center (IMC), locker rooms with P.E. storage and an administrative office area. When completed this phase would: alleviate current shortage of appropriate classroom space; create an IMC that is appropriately designed for a learning and resource center; have a sanitary and efficiently maintained locker with appropriate equipment storage adjacent to the gymnasium; and an office area appropriate for district administrative functions.

All construction would include stub-outs, etc., necessary for future expansion with design and finish of each area to coincide with that proposed for the remodeled academic area.

TOTAL PHASE I ESTIMATED EXPENSE: $1,777,500

PROPOSED PLAN - PHASE I  AREA



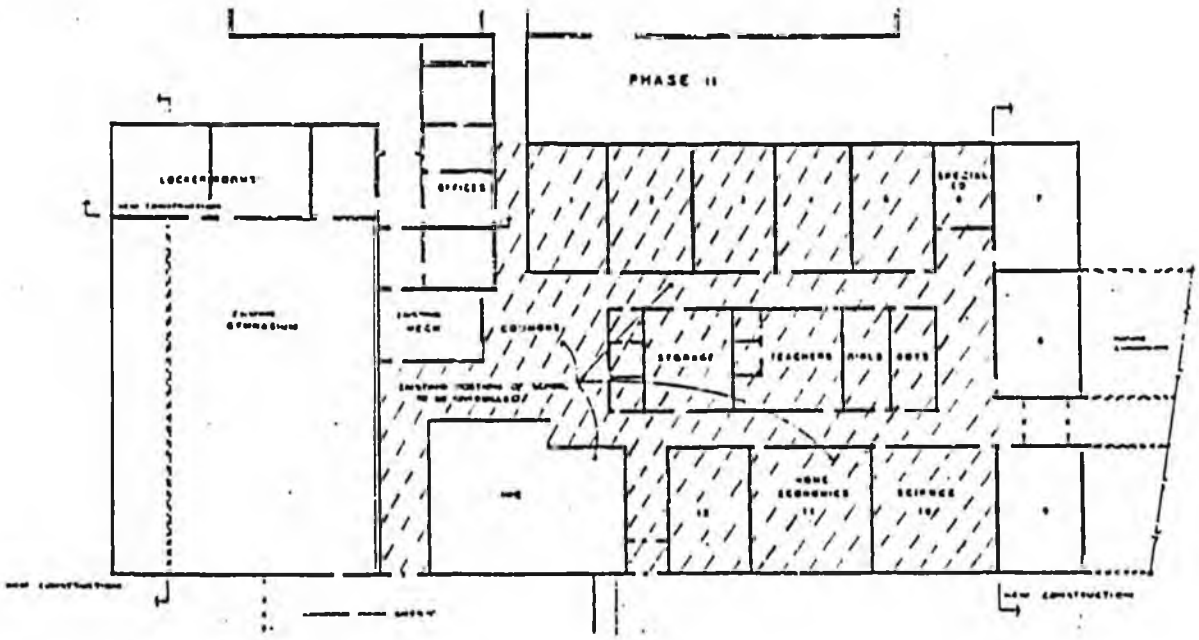
PHASE II

REMODEL ACADEMIC AREA

This phase would result in a completely remodeled academic area. When completed the remodeled area would: provide ample classroom space for a comprehensive secondary program; meet current fire and building codes; have efficient heating systems and insulation installed; and provide sufficient storage space for supplies and equipment. Completed design and finish of each area would coincide with that proposed in Phase I of this plan.

TOTAL PHASE II ESTIMATED EXPENSE: $2,875,000

PROPOSED PLAN - PHASE II [ ] AREA



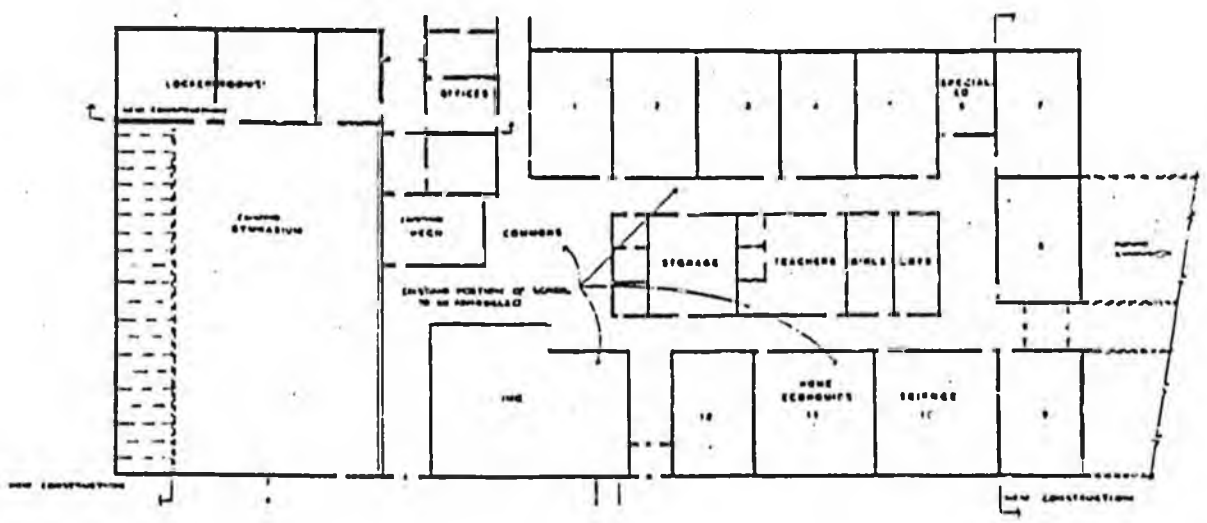
PHASE III

GYMNASIUM EXTENSION

This phase would result in construction of a sixteen foot addition to the full length of the gymnasium. The gym floor would be resurfaced and remarked and new spectator seating would be installed. This phase would also allow for more effective use of the gymnasium area with two cross-court activities occurring simultaneously. For activities requiring full floor length, the activity would be a safe distance away from the seating area allowing safe spectator movement while the activity is in progress.

TOTAL PHASE III ESTIMATED EXPENSE: $540,500

PROPOSED PLAN - PHASE III AREA



COST ANALYSIS

PHASE I - ESTIMATED EXPENSE

Classroom addition - $150 per sq. ft. $150 x 3,000 sq. ft.	$ $450,000
Locker room & P.E. storage - $250 per sq. ft. $250 x 2,060 sq. ft.	515,000
Remodel IMC area - $150 per sq. ft. $150 x 2,400 sq. ft.	360,000
District office area - $150 per sq. ft. $150 x 1,470 sq. ft.	220,500
Engineering, architectural, work of art and administration fees - 15% of construction costs	232,000
TOTAL PHASE I EXPENSES	$1,777,500

Estimated 10% annual increase for inflation and mobilization of material and personnel for each year project is delayed.

PHASE II - ESTIMATED EXPENSE

Academic area remodeling - $125 per sq. ft. $125 x 20,000 sq. ft.	$2,500,000
Engineering, architectural, work of art and administrative fees - 15% of construction costs	375,000
TOTAL PHASE II EXPENSES	$2,875,000

Estimated 10% annual increase for inflation and mobilization of material and personnel for each year project is delayed.

PHASE III - ESTIMATED EXPENSE

Gymnasium extension - $200 per sq. ft. $200 x 1,600 sq. ft.	$ 320,000
Resurfaced - remarked floor and seating	150,000
Engineering, architectural, work of art and administrative fees - 15% of construction costs	70,000
TOTAL PHASE III EXPENSES	$ 540,500

Estimated 10% annual increase for inflation and mobilization of material and personnel for each year project is delayed.

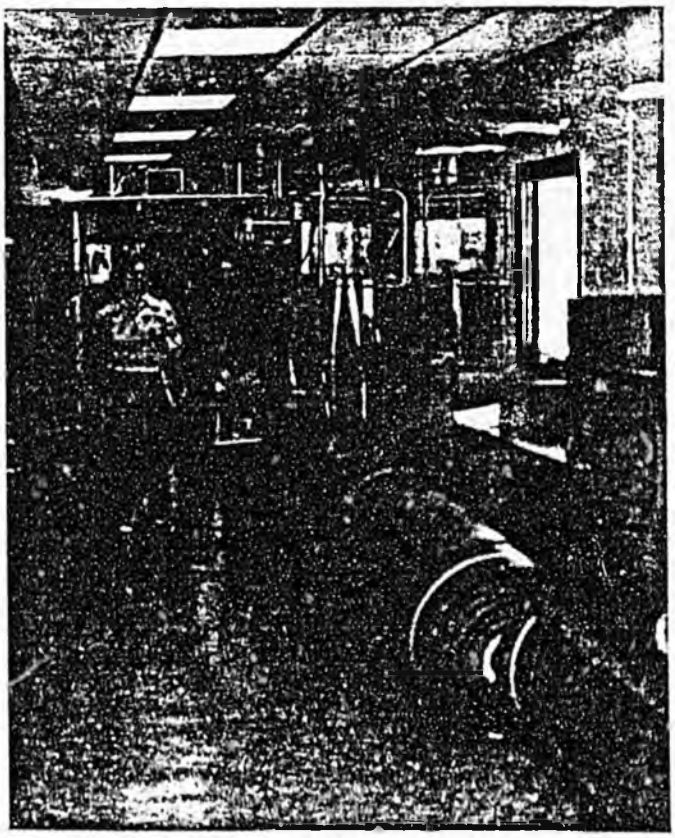
TOTAL PROJECT ESTIMATED EXPENSE	$5,193,000

DISTRICT CONTRIBUTION

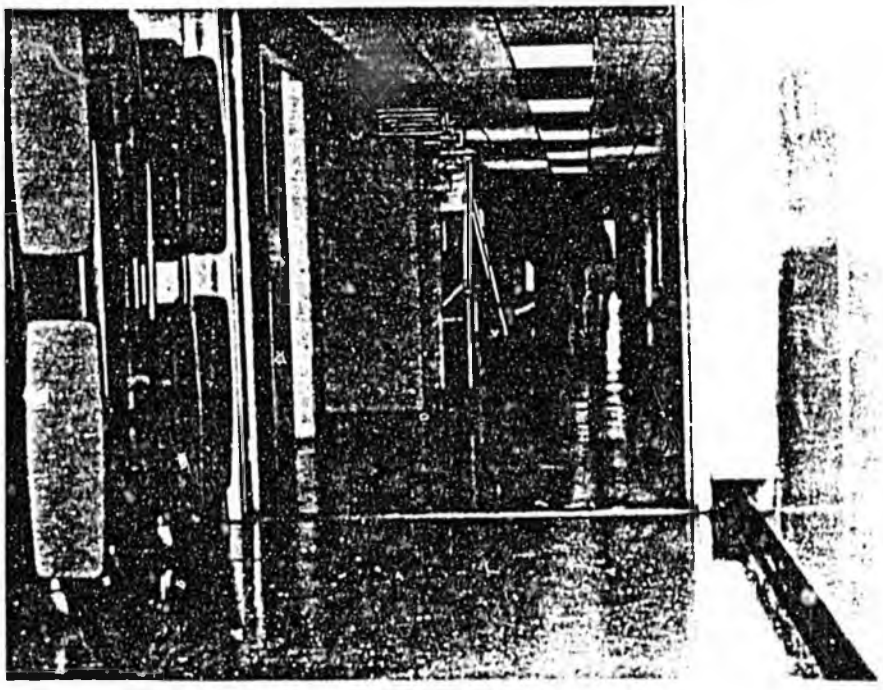
In an effort to expedite planning and organization of this capital project the school district can provide $200,000. These funds could be used to initiate immediate development of project specifications and start the architectural drawings and engineering plans.

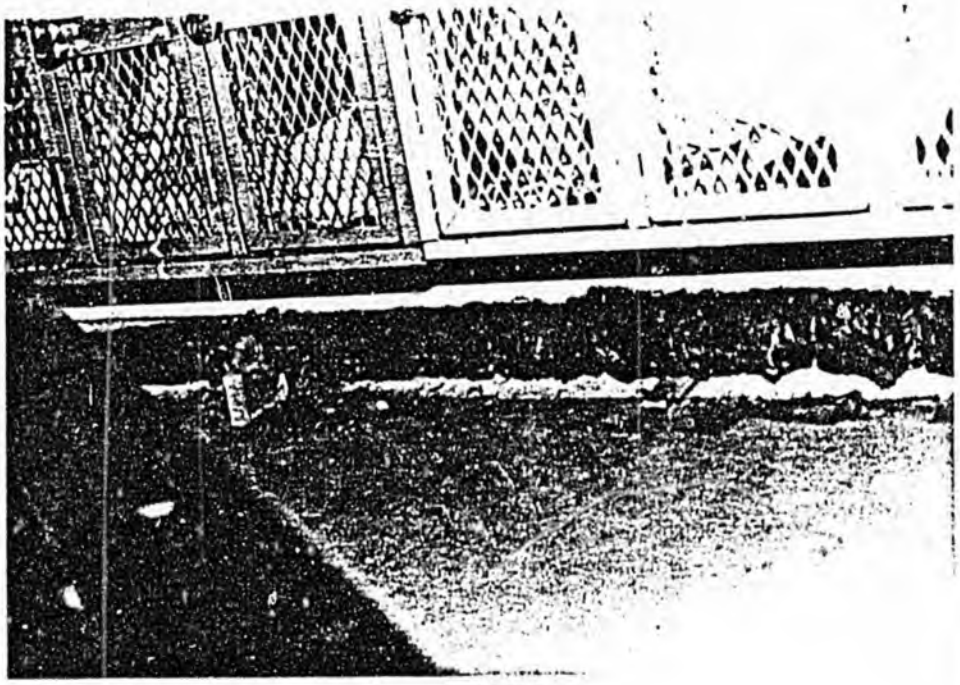
COST JUSTIFICATION

Expense estimates have been confirmed with John Kumin, architect of Kumin and Associates. Estimates are also supported by a recently completed feasibility study. Therefore, it is felt that estimated expenses are reasonable and rational for the plan as proposed.

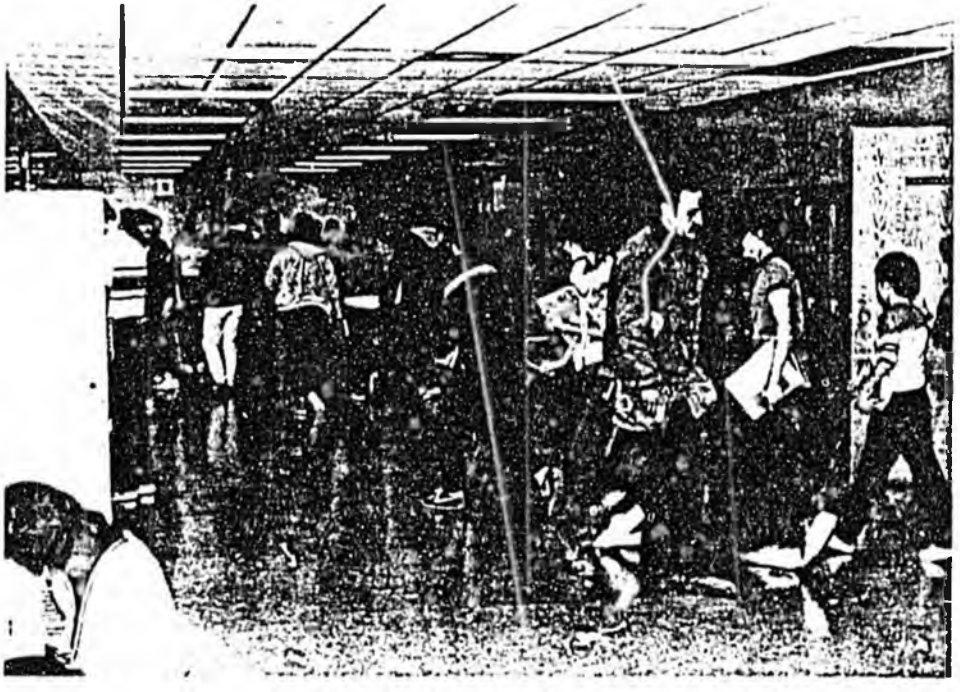


Major Hall referred to as "The Wind Tunnel". Serious heat loss area - extremely cold - storage in hall area presents emergency exit hazard.

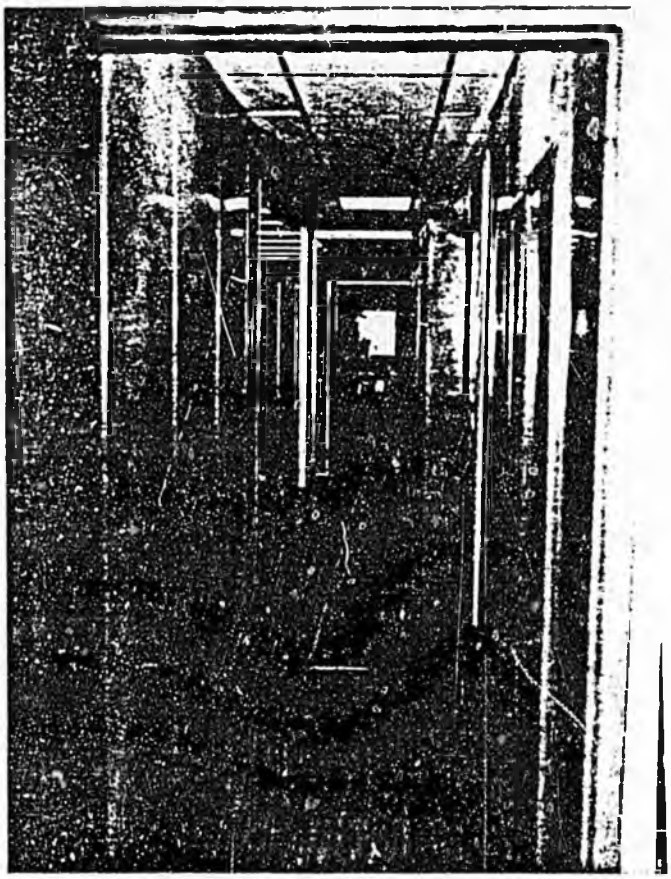




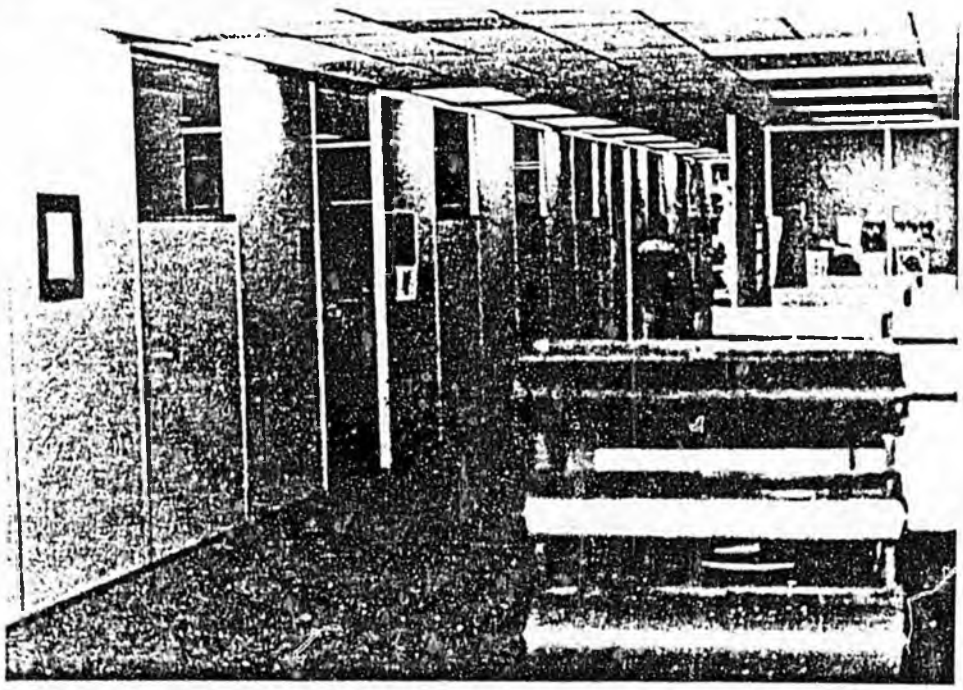
Locker Room Heating Conductor: Poor plumbing and extremely poor heat conduction - 16 years old.



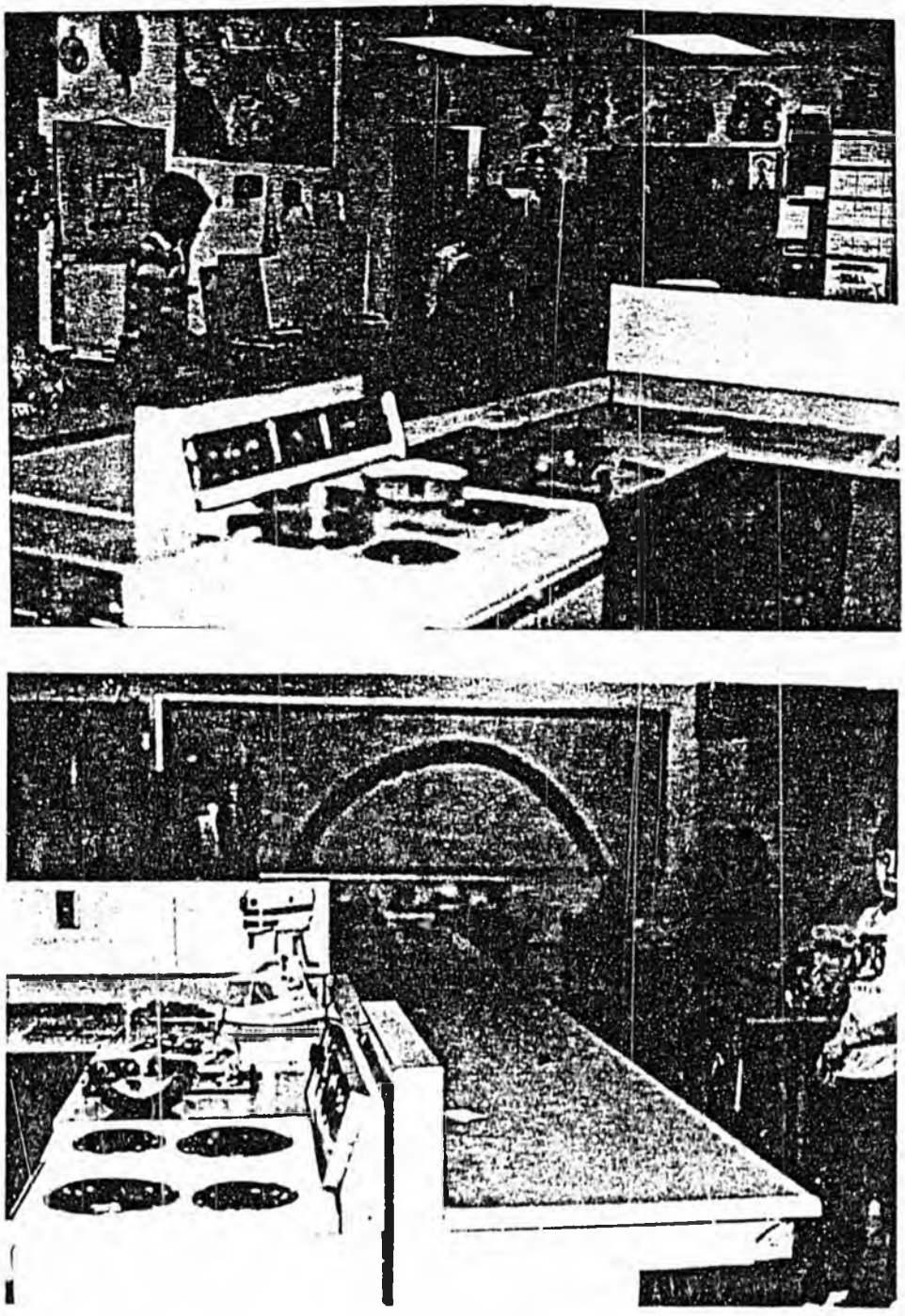
Main High School Hall - Built to be multi-purpose room - Huge expanse of wasted space - Needed as classroom or storage



Passage - Exit Hall: Very narrow - High danger due to congestion.



Fake Wall in Study Hall: Very cold - poor aesthetic appeal - Not conducive to reducing noise level.



Home Economics Room - Extreme congestion - No direct outdoor exit - Does not meet state fire code

Computer Lab: No direct outdoor exit - Area does not meet state fire code - extreme congestion

Science Lab: Extreme congestion - Plumbing corrosion - Very poorly insulated

Library: Extreme congestion - No study space - Poor lighting - Poor location - Difficult access from elementary area

SECTION 3

APITAL BUDGET REQUEST

alaska City School District

escription:

1985 - Vocational Education Building, Phase I
[illegible] - [illegible]ational Educati[illegible] Building, Phase II
[illegible] - [illegible]bal Educati[illegible] Complex*
[illegible] - [illegible] and Senior High Academics and
[illegible]dministration [illegible]ex*
[illegible] - [illegible] Upgrade of Existing Facili[illegible]*
[illegible] - [illegible]tion of Elementary Classroom Wing*

*Tentative schedule

st Summary:

[illegible] - [illegible],703,0[illegible] - Vocational Education Building,
Phase I (5,700 sq. ft.)
[illegible] - [illegible],4[illegible] - Vocational Education Building,
Phase II (7,437 sq. ft.)

FY ____ CAPITAL BUDGET AND PLAN CAPITAL IMPROVEMENT

DISTRICT: Unalaska			DATE: August 19, 1983				PAGE ___ OF ___ PAGES	
PRIORITY (FUND & YEAR)	DISTRICT, LOCATION & DESCRIPTION	PRIORITY TYPE	YEAR IN WHICH FUNDING IS REQUESTED					
			FY 1985	FY 1986	FY 1987	FY 1988	FY 1989	FY 199
#1 1985	Unalaska School District Vocational Education Building Phase I	Health & Life Safety & Functional Upgrade	X					
#2 1986	Unalaska School District Vocational Education Building Phase II	Health & Life Safety & Functional Upgrade		X				
#3 1986	Unalaska School District Physical Education Complex	Health & Life Safety & Functional Upgrade		X				
#4 1987	Unalaska School District Junior and Senior High Academics and Administration Complex	Functional Upgrade			X			
#5 1988	Unalaska School District Total Upgrade of Existing Facility	Functional Upgrade				X		
#6 1989	Unalaska School District Addition of Elementary Classroom Wing	Health & Life Safety ; Unhoused students; functional Upgrade					X	

FY CAPITAL BUDGET REQUEST SUMMARY

DISTRICT

Unalaska City School District

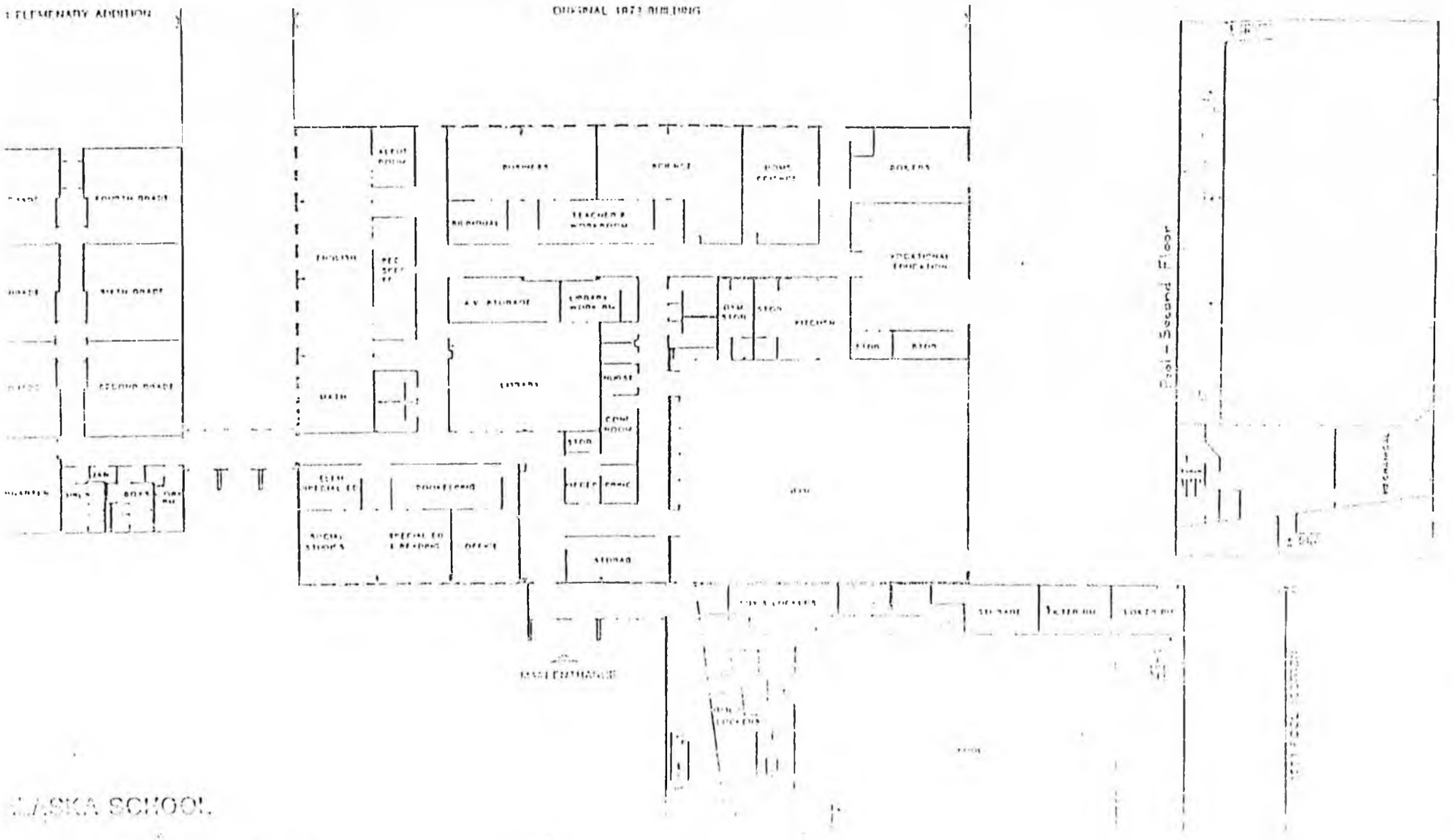
DISTRICT PRIORITY	COMMUNITY	PROJECT	DISTRICT COST ESTIMATE	STATE BUDGET
1	Unalaska	Vocational Education Building - Phase I	$1,003,000	
2	Unalaska	Vocational Education Building - Phase II	$2,324,000	
3	Unalaska	Physical Education Complex	$7,773,000	
4	Unalaska	Junior/Senior High Academics and Administration Complex	$11,121,000	
5	Unalaska	Total Upgrade of Unalaska's Existing School Facility	$6,169,000	
6	Unalaska	Addition of Elementary Classroom Wing	$3,005,000	

SUBMITTED BY

S.E.R.R.C. on behalf of
Unalaska City School District

SIGNATURE

DATE



KASKA SCHOOL

VOCATIONAL EDUCATION

FACILITY - PHASE I

FY 85 CAPITAL BUDGET REQUEST — PROJECT SHEET | Due: August 25, 1983

DISTRICT Unalaska City School District | SCHOOL Unalaska

K-3 ____ 4-6 ___ 7-12 X
DESIGN ENROLLMENT

PROJECT NAME Unalaska Vocational Education Facility - Phase I

PROJECT TYPE
- ☒ NEW CONSTRUCTION
- ☐ ADDITION
- ☐ REMODELING
- ☐ REPLACEMENT
- ☐ MAJOR MAINTENANCE
- ☐ UTILITIES
- ☐ OTHER

PROJECT JUSTIFICATION
- ☒ HEALTH OR LIFE SAFETY
- ☐ UNHOUSED STUDENTS
- ☐ PROTECTION OF STRUCTURE
- ☐ OPERATING COST SAVINGS
- ☐ CODE UPGRADE
- ☒ FUNCTIONAL UPGRADE
- ☐ OTHER

CONSTRUCTION START June , 1984 | COMPLETION DATE January, 1985

PROJECT ESTIMATED TO ☒ INCREASE ☐ DECREASE | DISTRICT OPERATING BUDGET $ 5,000

SCHOOL SITE: ☒ EXISTING, OR ☐ NEW SITE, IF NEW, ACQUISITION COST $ _____

PRIMARY UTILITIES: WILL THIS PROJECT INCLUDE THE FOLLOWING UTILITIES ON SITE?
Already there
- ☐ OIL STORAGE _____ GALLONS
- ☐ FULL ELECTRICAL POWER GENERATION ____ KW
- ☐ WATER SUPPLY
- ☐ SEWAGE DISPOSAL

ALTERNATIVES, IF TWO OR MORE ALTERNATIVES EXIST, CONSTRUCTION AND WHY REJECTED

1. Renovate the existing facilities. Present facilities are inadequate. The woodshop is forty years old and it should be abandoned. Metals shop is tiny and should be converted to a receiving and shipping facility or a maintenance shop.

2. Construct an addition to the current facility. Location is prohibitive. Sound barrier design requires it be located elsewhere.

3. Leave it as it is. Not an option. Facility is too hazardous for occupancy.

COMPLETE FOR NEW CONSTRUCTION, ADDITIONS, REPLACEMENT OR REMODELING PROJECTS ONLY

PROGRAM AREA	GROSS SQUARE FEET OF FLOOR SPACE				
	GUIDELINES	EXISTING	REQUESTED	PROPOSED TOTAL	DOE USE ONLY
ELEMENTARY CLASSROOMS					
SECONDARY CLASSROOMS					
LIBRARY MEDIA					
OFFICE					
INDUSTRIAL ED		2,100	5,700	5,700	
HOMEMAKING ED		300			
PHYSICAL SCIENCE		900			
MULTI-PURPOSE					
OTHER ELEMENTARY ____					
TOTAL		4,080	5,700	5,700	

PRESENT CONDITION OF EXISTING FACILITIES: Wood and metal shops are 40 years old and in poor condition.

INFORMATION SUBMITTED: ATTACH AVAILABLE DOCUMENTATION E.G. INSPECTION REPORTS FROM STATE FIRE MARSHALL AND HEALTH & SOCIAL SERVICES, ETC.

FY 1985 see accompanying narrative for Phase I justifying request for 1985. New justification is based upon health and life safety.

This phase includes: general shop, mechanics shop (auto and diesel), metals shop, art classroom, office, storage, corridor.

POPULATION FORMULA ENROLLMENT PROJECTIONS	PRESENT	AFTER CONSTRUCTION
ELEMENTARY (GRADES K-6)	101	125
SECONDARY (GRADES 7-12)	108	108 + 125
SPECIAL ED		
VOCATIONAL ED (GRADES 9-12)		

Unalaska City Schools
SIGNATURE

August 15, 1983
DATE

(3) FORMAT 1983-1988

APPENDIX

PHASE I: VOCATIONAL EDUCATION FACILITY RENOVATION

Unalaska School District developed a comprehensive Facilities Master Plan in 1980. The study, identifying both short and long range needs, was the result of an intensive investigation of existing facilities, evaluation, current program operation, predicted enrollment, and future programmatic expansion (see Unalaska School District: Facility Survey and Analysis, State Wide Regional Resource Center, Anchorage Municipal Dist., January, 1982).

The need for a site plan was identified as critical. Of particular concern were the constraints of the current site.

> To date there has been no planning for growth and the deleterious effects are obvious. The existing facility's relationship to its surroundings, its internal arrangement, and its capacity for expansion are all compromised. A future construction phase without proper planning would likely render the site useless for additional future phases. This would necessitate the building of a second school as the community's need for educational space increased.

Because the current site is inadequate for feasible, staged expansion, the School Board adopted the long-range-(20 year) plan based on both new construction, renovation and re-arrangement of current spaces. The facility plan addresses most critical needs first and these have been submitted to the Department of Education for approval and prioritization.

Currently the District is at Step II of implementing the components of the master plan. The Alaska Legislature appropriated $300,000 for emergency gymnasium repairs in 1982. The greatest need now is to replace the vocational shop building. Replacement of the classroom [illegible] at $5,529,870 in the 1981 comprehensive plan. However, failure to gain funding [illegible]