

City of Portland, Maine - Building or Use Permit Application

3 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

PERMIT ISSUED	157 E 005
Permit No: 01-0381	Issue Date: MAY 15 2001
CBL: 156 F001	158 A001001

Location of Construction: 267 Ocean Ave	Owner Name: Cheverus High School	Owner Address: 267 Ocean Ave	Phone: 207-774-6238
Business Name: Cheverus High School	Contractor Name: Ledgewood Inc.	Contractor Address: PO Box 8107 Portland	Phone:
Lessee/Buyer's Name: n/a	Phone: n/a	Permit Type: Commercial	Zone: R-3

Past Use: High School	Proposed Use: High School / 2nd floor renovation at Residence Hall. New Concession Building at baseball field. New parking lot.	Permit Fee: \$3,205.00	Cost of Work: \$529,385.00	CEO District: 2
		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: E, Type: 2B PERMIT ISSUED WITH REQUIREMENTS	

Proposed Project Description:
Renovations, new concession building, new parking lot.

Signature: *[Signature]* Signature: *[Signature]*
 PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)
 Action: Approved Approved w/Conditions Denied
 Signature: _____ Date: _____

Permit Taken By: gg	Date Applied For: 04/18/2001	Zoning Approval	
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1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building permits do not include plumbing, septic or electrical work. 3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..	Special Zone or Reviews <input checked="" type="checkbox"/> Stream Protection Shoreland just outside the 75' set back <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan # 2000-004 Maj <input checked="" type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: 5/14/01	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous PLANNING Bd <input checked="" type="checkbox"/> Conditional Use - Institutional Use expansion <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: _____
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PERMIT ISSUED WITH REQUIREMENTS

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

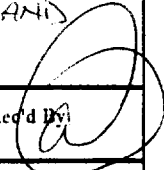
SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE PERMIT IS ISSUED

**Building or Use Permit Pre-Application
Attached Single Family Dwellings/Two-Family Dwelling
Multi-Family or Commercial Structures and Additions Thereto**

In the interest of processing your application in the quickest possible manner, please complete the Information below for a Building or Use Permit.

NOTEIf you or the property owner owes real estate or personal property taxes or user charges on ANY PROPERTY within the City, payment arrangements must be made before permits of any kind are accepted.**

Location/Address of Construction (include Portion of Building): CHEVERUS H.S. 267 OLEAN AVE. RESIDENCE BLDG.			
Total Square Footage of Proposed Structure		Square Footage of Lot	
Tax Assessor's Chart, Block & Lot Number Chart# 137 126 158 Block# A Lot# 5	Owner: CHEVERUS HIGH SCHOOL MICHAEL KOMICH	Telephone#: 774-6238	
Owner's Address: CHEVERUS H.S. 267 OLEAN AVE PORTLAND, ME	Lessee/Buyer's Name (If Applicable)	Cost Of Work: \$ 529,385.	Fee \$ 3,205
Proposed Project Description: (Please be as specific as possible) 2ND FLOOR RENOVATIONS AT RESIDENCE HALL. NEW CONCESSION BUILDING AT BASEBALL FIELD. NEW PARKING LOT AND ENTRANCE.			
Contractor's Name, Address & Telephone LEYLEWOOD INC. P.O. Box 8107 PORTLAND, ME 04104			Rec'd By: 
Current Use: SCHOOL		Proposed Use: SCHOOL	

Separate permits are required for Internal & External Plumbing, HVAC and Electrical installation.

- All construction must be conducted in compliance with the 1996 B.O.C.A. Building Code as amended by Section 6-Art II.
- All plumbing must be conducted in compliance with the State of Maine Plumbing Code.
- All Electrical Installation must comply with the 1996 National Electrical Code as amended by Section 6-Art III.
- HVAC (Heating, Ventilation and Air Conditioning) installation must comply with the 1993 BOCA Mechanical Code.

You must include the following with you application:

- 1) A Copy of Your Deed or Purchase and Sale Agreement
- 2) A Copy of your Construction Contract, if available
- 3) A Plot Plan/Site Plan

APR 18 2001

Minor or Major site plan review will be required for the above proposed projects. The attached checklist outlines the minimum standards for a site plan.

4) Building Plans

Unless exempted by State Law, construction documents must be designed by a registered design professional.

A complete set of construction drawings showing all of the following elements of construction:

- Cross Sections w/Framing details (including porches, decks w/ railings, and accessory structures)
- Floor Plans & Elevations
- Window and door schedules
- Foundation plans with required drainage and dampproofing
- Electrical and plumbing layout. Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review must be included.

Certification

I hereby certify that I am the Owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: 	Date: 4/18/01
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(Building Permit Fee: \$30.00 for the 1st \$1000 cost plus \$6.00 per \$1,000.00 construction cost thereafter.
Additional Site review and related fees are attached on a separate addendum

4/18
Camp

BUILDING PERMIT REPORT

157-E-005

DATE: 23 APRIL 2001 ADDRESS: 267 Ocean Ave. CBL: 158-A-001

REASON FOR PERMIT: Renovation, New concession bldg, at ball field/new P.L.O.T. 2nd Floor @ resident Hall

BUILDING OWNER: Chevarus High School

PERMIT APPLICANT: CONTRACTOR Hedge wood Inc.

USE GROUP: 5M/ CONSTRUCTION TYPE: 20/ CONSTRUCTION COST: 529,385.00 PERMIT FEES: 3,250.00

The City's Adopted Building Code (The BOCA National Building Code/1999 with City Amendments)
The City's Adopted Mechanical Code (The BOCA National Mechanical Code/1993)

CONDITION(S) OF APPROVAL

This permit is being issued with the understanding that the following conditions shall be met: *1 *2 *3 *4 *6 *11 *13 *15 *16 *21 *22 *23 *24 *28 *29 *30 *32 *35 *36 *38 *39 *40 *41 *42

- *1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
*2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained.
*3. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve.
*4. Foundations anchors shall be a minimum of 1/2" in diameter, 7" into the foundation wall, minimum of 12" from corners of foundation and a maximum 6' O.C. between bolts.
*6. Precaution must be taken to protect concrete and masonry.
*11. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level.
*13. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 1/2" maximum rise.
*15. The Minimum required width of a corridor shall be determined by the most restrictive of the criteria under section 1011.3 but not less than 36".
*18. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closure's.

A/10

26. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 920.3.2 (BOCA National Building Code/1999), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):

- In the immediate vicinity of bedrooms
- In all bedrooms
- In each story within a dwelling unit, including basements

- *21. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type. (Section 921.0)
- *22. The Fire Alarm System shall be installed and maintained to NFPA #72 Standard. *BOCA 918.4.1*
- *23. The Sprinkler System shall be installed and maintained to NFPA #13 Standard. *20,000 ft under BOCA*
- *24. All exit signs, lights and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023.0 & 1024.0 of the City's Building Code. (The BOCA National Building Code/1999)
25. Section 25 - 135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
26. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification the Division of Inspection Services.
27. Ventilation and access shall meet the requirements of Chapter 12 Sections 1210.0 and 1211.0 of the City's Building Code. (Crawl spaces & attics).
- *28. All electrical, plumbing and HVAC permits must be obtained by Master Licensed holders of their trade. **No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.**
- *29. All requirements must be met before a final Certificate of Occupancy is issued.
- *30. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code (The BOCA National Building Code/1996).
31. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical code (The BOCA National Mechanical Code/1993). (Chapter M-16)
32. Please read and implement the attached Land Use Zoning report requirements. *Attached site development review sheets shall be met*
33. Boring, cutting and notching shall be done in accordance with Sections 2305.3, 2305.3.1, 2305.4.4 and 2305.5.1 of the City's Building Code.
34. Bridging shall comply with Section 2305.16.
- *35. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2406.0)
- *36. All flashing shall comply with Section 1406.3.10.
37. All signage shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1999).
- *38. *Protection of Public shall comply with section 3304.0.*
- *39. *Fire blocking and draft stopping shall comply with section 721.9*
- *40. *All penetrations shall comply with section 714.0*
- *41. *This permit requires state fire marshals approval -*

42. A separate building permit required for the fire alarm system.

43. All dry type transformers shall be floor mounted per electrical inspector

P. Samuel Hoffes, Building Inspector
Cc: Lt. McDougall, PFD
Marge Schmuckal, Zoning Administrator
Michael Nugent, Inspection Service Manager

PSH 10/1/00

****This permit is herewith issued, on the basis of plans submitted and conditions placed on these plans, any deviations shall require a separate approval.**

*****THIS PERMIT HAS BEEN ISSUED WITH THE UNDERSTANDING THAT ALL THE CONDITIONS OF THE APPROVAL SHALL BE COMPLETED. THEREFORE, BEFORE THE WORK IS COMPLETED A REVISED PLAN OR STATEMENT FROM THE PERMIT HOLDER SHALL BE SUBMITTED TO THIS OFFICE SHOWING OR EXPLAINING THAT THE CONDITIONS HAVE BEEN MET. IF THIS REQUIREMENT IS NOT RECEIVED YOUR CERTIFICATE OF OCCUPANCY SHALL BE WITHHELD. (You Shall Call for Inspections)**

******ALL PLANS THAT REQUIRE A PROFESSIONAL DESIGNER'S SEAL, (AS PER SECTION 114.0 OF THE BUILDING CODE) SHALL ALSO BE PRESENTED TO THIS DIVISION ON AUTO CAD LT. 2000, DXF FORMAT OR EQUIVALENT.**

*******CERTIFICATE OF OCCUPANCY FEE \$50.00**

Applicant: chevrons

Date: 5/14/01

Address: 267 Ocean Ave

C-B-L: 156-F-002

CHECK-LIST AGAINST ZONING ORDINANCE

Date - 5/18/01

Zone Location - R-3

Interior or corner lot -

Proposed Use/Work - Addition of Accessory Concession Stand
New parking lots

Sewage Disposal - City

Lot Street Frontage - 50' ~~in~~ 1060' shown

Front Yard - 25' req - 50' shown

Rear Yard - 25' req - 50' shown

Side Yard - 16' req - (well over 13' shown)

Projections -

Width of Lot - 75' req - 1060' shown

WAFD
→

Height - 35' max - 35' shown

Lot Area -

Lot Coverage/ Impervious Surface - 25% - (parking is not included as lot cov)

Area per Family - N/A

Off-street Parking - ok per plan given outlining uses, ages for class room

Loading Bays -

Site Plan - major # 2000-0041 conditional use - institutional expansion

Shoreland Zoning/ Stream Protection - shall be 75' from N/W of stream

Flood Plains - Panel 7 - zone X
All structures are over 75' away
Fences are NOT a structure

260
260
340

CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
ADDENDUM

2000-0041

Application I. D. Number

03/24/2000

Application Date

Cheverus High School

Applicant

267 Ocean Ave, Portland, ME 04103

Applicant's Mailing Address

Michael S. Komich

Consultant/Agent

Agent Ph: 774-6238

Agent Fax: 828-0207

Applicant or Agent Daytime Telephone, Fax

Cheverus High School

Project Name/Description

267 - 267 Ocean Ave, Portland Maine 04103

Address of Proposed Site

156 F002

Assessor's Reference: Chart-Block-Lot

Approval Conditions of Planning

1. That the conditions imposed by the Planning Board on June 10, 1997 (included as attachment A-3 and A-4 of Planning Report 40-00) are hereby specifically adopted and imposed as a condition of approval of this application.
2. That the soccer net for the Ocean Avenue soccer field shall be used only between March 15 to June 15 and August 15 to October 31 of each calendar year. At all other times, the net shall be lowered to the ground or stored.
3. That the lighting plan shall be revised for the Planning Staff review and approval reflecting where possible, the lowest possible light pole height (maximum 20 feet height) within the Ocean Avenue parking lot area.
4. Prior to installing the berms along Ocean Avenue, the applicant shall contact the City Arborist to review the field locations of the berms.
5. That detailed cost estimates for each phase of construction are submitted for city staff review and approval along with an acceptable performance guarantee.
6. Prior to the initiation of the last phase of construction (construction of the gymnasium, reconstruction of the auditorium, completion of parking spaces in front of the residence building), a parking management plan shall be submitted for planning staff review and approval. With the disruption of existing parking during this phase of construction, there should be assurance that parking supply and demand will be properly managed.
7. The maroon accent stripe feature shown on the revised concession building is not acceptable. Any further revisions to the building facade elevations shall require planning staff review and approval.

Approval Conditions of Insp

- 1 This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
- 2 Please note that the maximum building height is 35 feet. Your plan submittals show exactly 35 feet in height. The code enforcement officer will want verifications of that height during your construction phase.

CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
Insp Copy

2000-0041
 Application I. D. Number
 03/24/2000
 Application Date

Cheverus High School
 Applicant
267 Ocean Ave, Portland, ME 04103
 Applicant's Mailing Address
Michael S. Komich
 Consultant/Agent
Agent Ph: 774-6238 Agent Fax: 828-0207
 Applicant or Agent Daytime Telephone, Fax

Cheverus High School
 Project Name/Description
267 - 267 Ocean Ave, Portland Maine 04103
 Address of Proposed Site
156 F002
 Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): New Building Building Addition Change Of Use Residential Office Retail
 Manufacturing Warehouse/Distribution Parking Lot Other (specify) _____

25,270 **24** **R3**
 Proposed Building square Feet or # of Units Acreage of Site Zoning

Check Review Required:

- Site Plan (major/minor) Subdivision # of lots _____ PAD Review 14-403 Streets Review
 Flood Hazard Shoreland Historic Preservation DEP Local Certification
 Zoning Conditional Use (ZBA/PB) Zoning Variance Other _____

Fees Paid: Site Plan **\$500.00** Subdivision _____ Engineer Review _____ Date: **03/24/2000**

Insp Approval Status:

Reviewer **Marge Schmuckal**

- Approved Approved w/Conditions See Attached Denied

Approval Date **05/14/2001** Approval Expiration **05/14/2002** Extension to _____ Additional Sheets Attached
 Condition Compliance **Marge Schmuckal** **05/14/2001**
 signature date

Performance Guarantee Required* Not Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

- | | | | |
|---|----------------|--|-----------------|
| <input type="checkbox"/> Performance Guarantee Accepted | _____ | _____ | _____ |
| | date | amount | expiration date |
| <input type="checkbox"/> Inspection Fee Paid | _____ | _____ | |
| | date | amount | |
| <input type="checkbox"/> Building Permit Issued | _____ | | |
| | date | | |
| <input type="checkbox"/> Performance Guarantee Reduced | _____ | _____ | _____ |
| | date | remaining balance | signature |
| <input type="checkbox"/> Temporary Certificate of Occupancy | _____ | <input type="checkbox"/> Conditions (See Attached) | _____ |
| | date | | expiration date |
| <input type="checkbox"/> Final Inspection | _____ | _____ | |
| | date | signature | |
| <input type="checkbox"/> Certificate Of Occupancy | _____ | | |
| | date | | |
| <input type="checkbox"/> Performance Guarantee Released | _____ | _____ | |
| | date | signature | |
| <input type="checkbox"/> Defect Guarantee Submitted | _____ | _____ | _____ |
| | submitted date | amount | expiration date |

CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
ADDENDUM

2000-0041

Application I. D. Number

03/24/2000

Application Date

Cheverus High School

Project Name/Description

Cheverus High School

Applicant

267 Ocean Ave, Portland, ME 04103

Applicant's Mailing Address

Michael S. Komich

Consultant/Agent

Agent Ph: 774-6238

Agent Fax: 828-0207

Applicant or Agent Daytime Telephone, Fax

267 - 267 Ocean Ave, Portland Maine 04103

Address of Proposed Site

156 F002

Assessor's Reference: Chart-Block-Lot

Approval Conditions of Insp

- 1 This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
- 2 Please note that the maximum building height is 35 feet. Your plan submittals show exactly 35 feet in height. The code enforcement officer will want verifications of that height during your construction phase.

CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
Fire Copy

2000-0041
 Application I. D. Number

3/24/00
 Application Date

Cheverus High School
 Applicant

267 Ocean Ave, Portland, ME 04103
 Applicant's Mailing Address

Michael S. Komich
 Consultant/Agent

Agent Ph: 774-6238 Agent Fax: 828-0207
 Applicant or Agent Daytime Telephone, Fax

Cheverus High School
 Project Name/Description

267 - 267 Ocean Ave, Portland Maine 04103
 Address of Proposed Site

156 F002
 Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): New Building Building Addition Change Of Use Residential Office Retail
 Manufacturing Warehouse/Distribution Parking Lot Other (specify) _____

25,270 **24** **R3**
 Proposed Building square Feet or # of Units Acreage of Site Zoning

Check Review Required:

- | | | | |
|--|---|--|--|
| <input checked="" type="checkbox"/> Site Plan
(major/minor) | <input type="checkbox"/> Subdivision
of lots _____ | <input type="checkbox"/> PAD Review | <input type="checkbox"/> 14-403 Streets Review |
| <input type="checkbox"/> Flood Hazard | <input type="checkbox"/> Shoreland | <input type="checkbox"/> Historic Preservation | <input type="checkbox"/> DEP Local Certification |
| <input type="checkbox"/> Zoning Conditional
Use (ZBA/PB) | <input type="checkbox"/> Zoning Variance | <input type="checkbox"/> Other _____ | |

Fees Paid: Site Plan **\$500.00** Subdivision _____ Engineer Review _____ Date **3/24/00**

Fire Approval Status:

Reviewer **Lt. Mc Dougall**

- Approved** **Approved w/Conditions**
See Attached **Denied**

Approval Date **3/27/00** Approval Expiration _____ Extension to _____ Additional Sheets
Attached

Condition Compliance **Lt. Mc Dougall** **3/27/00**
signature date

Performance Guarantee **Required*** **Not Required**

* No building permit may be issued until a performance guarantee has been submitted as indicated below

- | | | | |
|---|----------------|--|-----------------|
| <input type="checkbox"/> Performance Guarantee Accepted | _____ | _____ | _____ |
| | date | amount | expiration date |
| <input type="checkbox"/> Inspection Fee Paid | _____ | _____ | |
| | date | amount | |
| <input type="checkbox"/> Building Permit Issue | _____ | | |
| | date | | |
| <input type="checkbox"/> Performance Guarantee Reduced | _____ | _____ | _____ |
| | date | remaining balance | signature |
| <input type="checkbox"/> Temporary Certificate of Occupancy | _____ | <input type="checkbox"/> Conditions (See Attached) | _____ |
| | date | | expiration date |
| <input type="checkbox"/> Final Inspection | _____ | _____ | |
| | date | signature | |
| <input type="checkbox"/> Certificate Of Occupancy | _____ | | |
| | date | | |
| <input type="checkbox"/> Performance Guarantee Released | _____ | _____ | |
| | date | signature | |
| <input type="checkbox"/> Defect Guarantee Submitted | _____ | _____ | _____ |
| | submitted date | amount | expiration date |
| <input type="checkbox"/> Defect Guarantee Released | _____ | _____ | |
| | date | signature | |



City of Portland, Maine

ACCESSIBILITY CERTIFICATE

TO: Inspector of Buildings City of Portland, Maine
Department of Planning & Urban Development
Division of Housing & Community Services

FROM: HARRIMAN ASSOCIATES

RE: Certificate of Design, HANDICAP ACCESSIBILITY

DATE: 04.18.01

These plans and/or specifications covering construction work on:

CHEVETUS HIGH SCHOOL

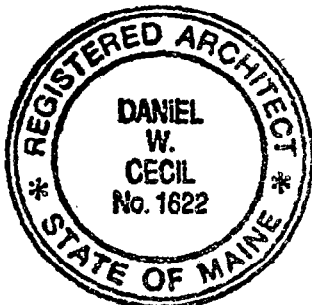
RESIDENCE HALL

267 OCEAN AVENUE

PORTLAND, ME.

Have been designed and drawn up by the undersigned, a Maine registered engineer/architect according to State Regulations as adopted by the State of Maine on Handicapped Accessibility.

(SEAL)

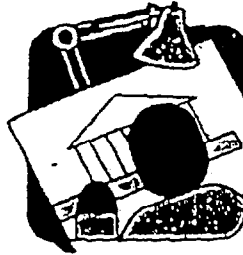


Signature Daniel W. Cecil, AIA

Title Project Architect

Firm HARRIMAN ASSOCIATES

Address AUBURN, ME.



CITY OF PORTLAND MAINE

389 Congress St., Rm 315

Portland, ME 04101

Tel. - 207-874-8704

Fax - 207-874-8716

TO: Inspector of Buildings City of Portland, Maine
Planning & Urban Development
Division of Housing & Community Services

FROM DESIGNER: DANIEL W. CECIL, AIA
PROJECT ARCHITECT, HARRIMAN ASSOCIATES

DATE: 04.18.01

Job Name: RENOVATIONS TO RESIDENCE HALL

Address of Construction: CHEVERUS HIGH - 267 OCEAN AVE

THE BOCA NATIONAL BUILDING CODE/1996 THIRTEENTH EDITION

Construction project was designed according to the building code criteria listed below:

Building Code and Year 1996 Use Group Classification(s) B/E

Type of Construction _____ Bldg. Height _____ Bldg. Sq. Footage _____

Seismic Zone _____ Group Class _____

Roof Snow Load Per Sq. Ft. _____ Dead Load Per Sq. Ft. _____

Basic Wind Speed (mph) _____ Effective Velocity Pressure Per Sq. Ft. _____

Floor Live Load Per Sq. Ft. EXISTING

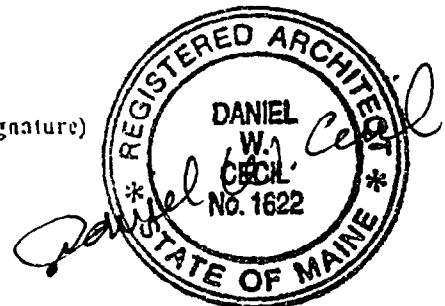
Structure has full sprinkler system? Yes _____ No X Alarm System? Yes X No _____
Sprinkler & Alarm systems must be installed according to BOCA and NFPA Standards with approval from the Portland Fire Department.

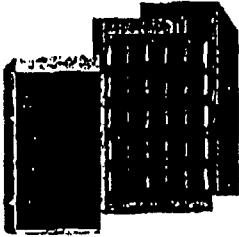
Is structure being considered unlimited area building: Yes _____ No X

If mixed use, what subsection of 313 is being considered _____

List Occupant loading for each room or space, designed into this Project.

(Designers Stamp & Signature)





**CITY OF PORTLAND
BUILDING CODE CERTIFICATE**

TO: Inspector of Buildings City of Portland, Maine
Department of Planning & Urban Development
Division of Housing & Community Service

FROM: HARRIMAN ASSOCIATES.

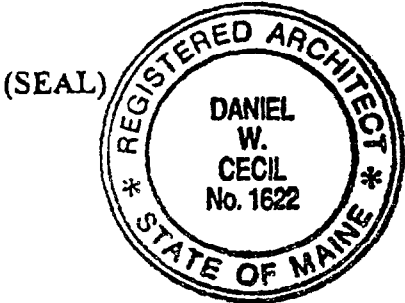
RE: Certificate of Design

DATE: 04.18.01

These plans and/or specifications covering construction work on:

CHEVERUS HIGH SCHOOL - RESIDENCE HALL
207 OCEAN AVE. PORTLAND ME.

Have been designed and drawn up by the undersigned, a Maine registered architect/engineer according to the BOCA National Building Code/1996 Thirteenth Edition, and local amendments.



Signature Daniel W. Cecil, AIA

Title Project Architect

Firm HARRIMAN ASSOCIATES

Address AUBURN, ME.

As per Maine State Law:

\$50,000.00 or more in new construction, repair expansion, addition, or modification for Building or Structures, shall be prepared by a registered design Professional.

HARRIMAN ASSOCIATES

One Auburn Business Park
Auburn, Maine 04210

207.784.5100 telephone
207.782.3017 fax

Building communities
since 1870

July 25, 2000

Mr. Richard Knowland
Senior Planner
City of Portland
Planning & Urban Development
389 Congress Street
Portland, ME 04101

Re: Cheverus High School
Additions and Renovations
Portland, Maine
Project No. 99143

Dear Rick:

Following the last Planning Board workshop meeting, we were asked to make some modifications to drawings and provide responses to review comments. Enclosed are seven (7) copies of the narrative and revised Drawings C20.1, C30.1, C40.1, C40.2, C50.1, and L10.1. Drawing A10.4, which was revised and resubmitted on 6-27-00, has not changed and therefore is not included in this package.

Response to Comments by Richard Knowland, dated 7-11-00:

1. Ocean Avenue green space strip has been increased as noted, and seems to be acceptable to the Planning Board.
2. Soccer field 30' high removable netting is proposed along Ocean Avenue.
 - a. The netting will be in place for the spring practice season, from mid March to mid June; and the fall practice season from mid August to the end of October.
 - b. As suggested by a Planning Board member, the soccer field has been moved approximately 10 ft. further away from Ocean Avenue (easterly).
 - c. Attached is a catalogue sheet of a typical 30' tall flagpole.
 - d. There will not be a scoreboard for the soccer field, nor any field lighting.
3. The building exterior elevation drawing was revised and re-submitted on 6-27-00.
4. Previously approved 1997 sports field-related improvements have not been completed, since fund-raising had not commenced. At this time, fund-raising for those improvements is underway, and they are included in this review for re-approval. As noted in Richard Knowland's comments, these facilities include the concession stand, two sets of fixed bleachers, a 6' high fence, and a press box.

Mr. Richard Knowland

July 25, 2000

Page 2

5. Site lighting shown on Drawing C40.2, submitted on 5-30-00, conforms to the City of Portland Technical and Design Standards and Guidelines, Section XV. As defined in 4.c., the finished school building will be greater than 50,000 sq. ft., and will therefore be considered a large commercial or industrial use "for purposes of this standard only." In this designated area, light poles are allowed to be 30' tall with wattage greater than 250 watts. The City Planner's comments of 5-9-00 requested lowering the poles from the 30' height shown at that time. Our current proposed plan shows the poles 25' tall with 250 watts, which meets the standard. If all the poles were to be lowered to 20', the sharp cut-off fixtures would have to be modified to throw more light horizontally in order to keep the same light level at the ground. This would make the sharp cut-off of light at the property lines more difficult to control. Our enclosed revised plan C40.2 shows the light poles on the front of the school toward Ocean Avenue at 15' high, while the poles in the parking lots remain at 25' high.

Response to Comments by Steve Bushey, dated 7-8-00:

1. At the points of discharge of the existing storm drains from the high school site, Berry Brook is a tidal flow directly connected to Back Cove 600 ft. away. It seems clear in the DEP regulations, Chapter 500 Section 4.A.1.b, that the Sliding Scale TSS removal is not required for discharge to coastal wetlands unless they are declared 'most-at-risk.' Therefore, it seems reasonable to use the approved best management practices of catch basin outlet sediment traps with hoods, sediment barriers-silt fences, and revegetation of disturbed soil. Cheverus High School would like to meet the same standard that DEP would normally require, rather than a higher standard.
2. The new storm drain connection to the existing catch basin in Ocean Avenue has been coordinated with Tony Lombardo of the Public Works Department. It was decided that the new 12" storm drain could be connected to the catch basin, and that a note would be added to Drawing C40.1 requiring the contractor to 'core-drill' the hole in the basin.
3. The revised detail C5 on enclosed sheet C50.1 shows the shallow catch basin with a flat top.
4. The enclosed revised drawing C20.1 shows several coordinate geometry points at various parking lot corners and drives. The building addition will be referenced from the existing buildings, when the building foundation plans are completed.

Mr. Richard Knowland

July 25, 2000

Page 3

5. The final building foundation and utility plans will address the relocation of the utility lines under and around the building addition.
6. On June 26, 2000, Frank Brancelly of the City Public Works Department sent a letter verifying the adequacy of the sewer capacity for the additional 3960 gallons per day. No additional fee or improvements were requested. The letter was submitted to the Planning Board in the 6-27-00 supplement.

We understand we are scheduled to be on the agenda for the August 8, 2000 public hearing. If you require any additional information, please contact us or Michael Komich at Cheverus High School.

Sincerely,
Harriman Associates



Frank L. Crabtree, P.E.

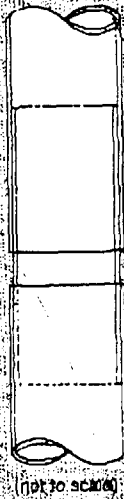
Flcra/bnmus

Enclosures

cc/encs: Michael Komich
Fr. Keegan

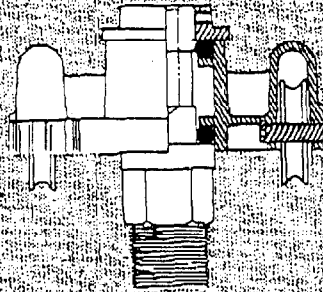
**Commercial Ground Set
External Halyard Flagpoles 25 X - 80 X**

Field Splice Detail

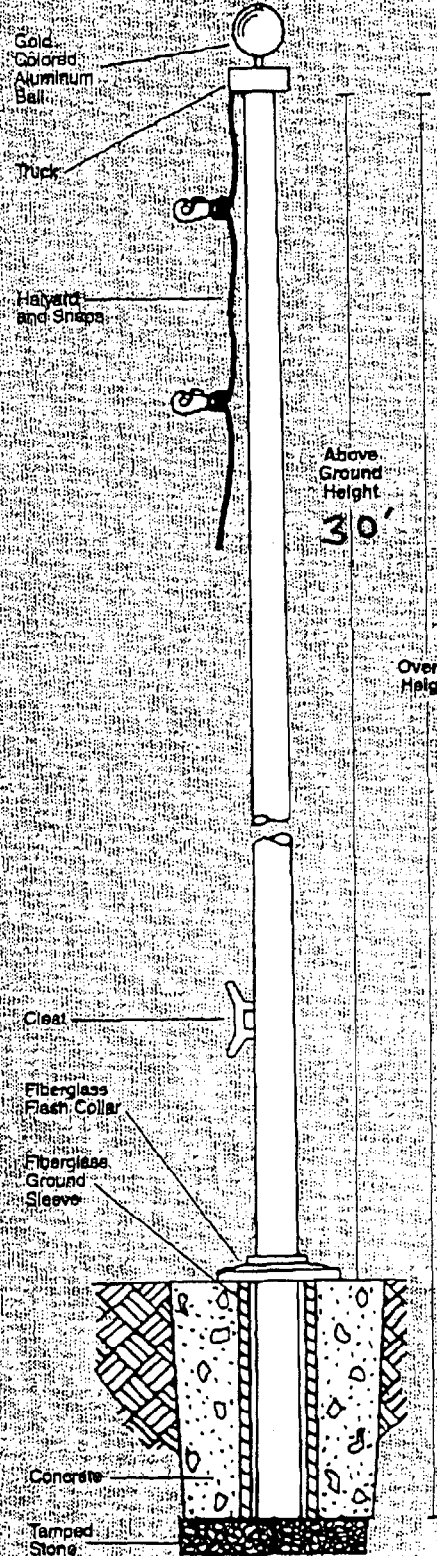
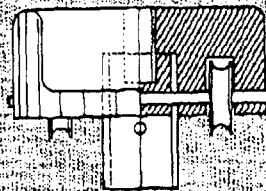


(not to scale)

Aluminum Revolving External Truck



Fiberglass Stationary External Truck



Poles 50' and up are equipped with an internal field splice which is cemented and pinned with stainless pins to the bottom section. The top section simply slides over the self-aligning splice for easy field assembly.

Model Number	PLP 26' X	PLR 30' X	PLP 35' X	PLR 40' X	PLP 50' X	PLP 60' X	PLP 70' X	PLP 80' X
Above Ground Height	25'	30'	35'	39'	50'	60'	70'	80'
Overall Height	28'	33'	39'	43'	65'	66'	77'	88'
Butt Diameter	8"	8.5"	7"	7"	10"	10.5"	16"	16.75"
Top Diameter	3"	3"	3"	5"	4.5"	4.5"	7"	7"
Pole Weight (lbs.)	54	89	98	118	284	428	700	950
Shipping Weight (lbs.)**	101	126	166	188	547	688	1000	1360
Ground Sleeve I.D.	8"	8"	8"	8"	14"	14"	20"	20"
Ground Sleeve Length	3'	3'	4'	4'	5'	6'	7'	8'
Cleat	8" Nylon	8" Nylon	8" Nylon	8" Nylon	10" Alum.	10" Alum.	10" Alum.	10" Alum.
Ball Diameter	5"	6"	6"	8"	10"	10"	14"	14"
Halyard	#10	#10	#10	#10	#12	#12	#12	#12
Flash Collar	18"	18"	18"	18"	23"	23"	30"	30"
Truck	F/G	F/G	F/G	F/G	Rev. Alum.	Rev. Alum.	Rev. Alum.	Rev. Alum.
Snaps	Brass Swivel	Brass Swivel	Brass Swivel	Brass Swivel	9/8 Swivel	5/8 Swivel	5/8 Swivel	5/8 Swivel
Standard Flag Size	4x6	5x8	5x8	5x10	8x10	10x15	12x18	12x18

This pole is equipped with a ground set extension which fits into the butt of the pole. The entire assembly then slides into the ground sleeve. Detailed instructions come with each pole.
**Shipping weight includes weight of packaging and fittings.



HARRIMAN ASSOCIATES

One Auburn Business Park
Auburn, Maine 04210

207.784.5100 telephone
207.782.3017 fax
www.harriman.com

Offices in Maine
and Connecticut

MARGE TRAY WILL BE
DISCUSSED AT WEDNESDAY'S
STAFF MEETING

RK

October 28, 1999

Mr. Richard Knowland
Senior Planner
City of Portland
Planning & Urban Development
389 Congress Street
Portland, ME 04101

Re: Cheverus High School
Additions and Renovations
Portland, Maine
Project No. 99143

Dear Rick:

Cheverus High School is planning to admit women students in the fall of 2000, and to increase their overall student enrollment from about 400 students now to a projected 750 students over the next several years. To accommodate the women students and the larger student body, we are in the process of developing a master plan to expand and renovate the existing buildings, which will be accomplished in at least two phases. Both of the existing buildings are currently used for educational purposes. It is our intent in working with Cheverus High School to submit the master plan to the City of Portland Planning Board for approval in the very near future.

Phase I of the project addresses the immediate needs of the incoming women students who will be starting school in August of 2000. Phase I involves interior renovation work only and includes the following:

- a. Renovating existing space on both the floors of the school building to create new women's toilets.
- b. Renovating existing space on the lower and second floors of the residence building to create new women's toilets.
- c. Renovating existing space on the second floor of the residence building to create a minimum of four new classrooms.
- d. Renovating existing space on the lower floor of the residence building to create a temporary women's locker room. Permanent women's locker rooms will be a part of Phase II and the temporary locker room will be converted to other uses.
- e. Temporarily relocate the existing teacher's work room to accommodate one of the new women's toilets.

IS THIS A
CHANGE IN
USE REQUIRING
P.B. REVIEW?

Mr. Richard Knowland

Page 2

October 28, 1999

In order to meet the schedule for the opening of school next August, the Phase I work will need to commence no later than February or March of 2000.

As the date for final approval from the Planning Board of the master plan is not yet known, we would like to request a clarification from your office on the feasibility of proceeding with the Phase I work, with a building permit only, prior to final Planning Board approval. This request is being made because of the schedule and the limited scope of interior renovation work involved.

We look forward to hearing from you on this issue. If you require any additional information, please do not hesitate to contact us or Michael Komich at Cheverus High School.

Sincerely,
Harriman Associates



Jeffrey P. Larimer, AIA

jcwat

cc: Marge Schmuckal, City of Portland
Michael Komich
Fr Don Keegan
David Twomey



Ledgewood Inc PO Box 8107, Portland ME 04104 (207)767.1866 Fax (207)767.1869

LETTER OF TRANSMITTAL

Date: April 18, 2001

To: City of Portland
389 Congress Street
Portland, ME 04101

Job No: 01383

Attn: Building Permit

Re: Cheverus High School
Phase 2 Renovations

CC: File


From: Clint Gendreau, Project Manager

We are sending you Attached **the following item(s):** _____
Documents

Copy	Date	No.	Description
1	4/18/01		Building Permit Application Forms
1	3/5/01		1 set of Plans & Specs
1	4/18/01		1 Disc of Plans & Specs

These are transmitted: For your use

Remarks:



HARRIMAN ASSOCIATES

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Auburn, Maine 04210

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Offices in Maine
and Connecticut

June 27, 2000

Mr. Richard Knowland
Senior Planner
City of Portland
Planning & Urban Development
389 Congress Street
Portland, ME 04101

Re: Cheverus High School
Additions and Renovations
Portland, Maine
Project No. 99143

Dear Rick:

At the last Planning Board workshop meeting, we were asked to make some modifications to drawings and provide some additional material for review. Enclosed are fifteen (15) copies of the narrative and revised Drawings C20.1, L10.1, and A10.4 (11"x 17" copies), along with additional information, for the Master Plan Additions at Cheverus High School. Also enclosed are eight (8) copies of the full-size drawings. The following explains the requested additional drawings and information:

1. Drawing C20.1, Site Layout Plan: At the Board's request, the first row of proposed 90-degree parking along the Ocean Avenue frontage has been omitted to leave a minimum of 20' of planting bed between the existing deciduous trees and the new pavement. Parallel parking spaces will fit in some areas along this frontage, as shown. To replace the omitted spaces, a full row of 90-degree spaces were added beside the new soccer field and a few were added behind the Residence Building near the baseball field. Parallel spaces were not added along the access drive behind the Pya Road neighbors, since the widened pavement would likely endanger the existing mature Pine trees.
2. Drawing L10.1, Site Planting Plan: With the additional 10' to 19' of green-space along the Ocean Avenue frontage, as described above, there is more opportunity to create a natural landscaped earth berm, without impacting the existing mature Maple trees. The earth berm will be a natural 'flowing' mound along the parking areas, varying in height from 12" to 36", and planted with dense vegetation.

Mr. Richard Knowland

June 27, 2000

Page 2

3. Drawing A10.4, Building Exterior Elevations: More detail has been added to clarify the appearance of the proposed building addition. Additional notes and dimensions are shown on the drawing. Included in this submission are catalogue sheets showing various materials. A colored elevation plan and samples of the materials will be displayed at the workshop meeting for review.

Exterior Elevations and Materials

The intent for the design of the additions to the classroom building of Cheverus High School is to follow the design character of the original building. The classroom building is a handsome example of the International Style popular in the middle part of the century. It is predominately a brick building with a fieldstone base, in some areas mixed with stained wood wall panels. The windows are a steel window wall system common to the style. It has flat roofs with broad overhangs.

The addition will use a brick to match the existing in color and type. Buildings in this style generally use a hard edged brick without much flashing. Copying the fieldstone base would be too expensive, even if we could find the original source of the stone. So we will use a cast stone product like the Shouldice Stone Masonry (see attached catalogue sheet) to come close to the color and texture of the original. There are many products of this kind on the market to choose from and we have used them on numerous schools with excellent results. The original wood wall panels were stained wood siding requiring high maintenance. We will use a prefinished hardwood product called Werzalit (see attached catalogue sheet), which has a wood grained, baked-on finish that is highly durable and very attractive. It comes in any color you specify and we would propose to maintain the earth tones that exist on the building now. We have also used this product on numerous schools with excellent results. We will use a solid aluminum or aluminum clad wood window in the new addition and copy the scale of the original windows. The roof will be flat and the overhangs will be extended to match the original rooflines.

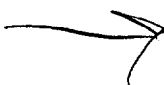
The upper wall of the gymnasium and the new locker rooms will have insulated, translucent wall panels to bring in diffused natural light. The panels can be divided up to have a similar scale to the original steel windows. The product we use is called Kalwall (see attached catalogue sheet). We have used this panel system in many high school gymnasiums. We will carry the roof line of the existing building across the

Mr. Richard Knowland

June 27, 2000

Page 3

facade of the gym as a stringcourse. The area below the stringcourse will be a brick and cast stone base and the area above will be brick piers infilled with Kalwall panels to make it read as a lighter wall system. This will help reduce the scale of the gymnasium addition.

4. Intent of the Master Plan Approval: Cheverus High School is requesting Site Plan Review, Conditional Use, and DEP Site Location of Development approval to construct all facilities shown as 'new' or 'proposed' on the drawings. This includes, but is not necessarily limited to, the recently seeded athletic field, school building addition, parking lots and accessories, walks, utilities, fencing, and landscaping. Also included are some sports field accessories, which were approved by the Planning Board in 1997, but not yet constructed; including a concession stand/toilet building, fixed bleachers, press box, public address system, and fencing.
5. Additional Information:
 - a. Parking: Since the requested modification to the parking described in #1 above has resulted in a loss of 12 of the previously proposed parking spaces, the proposed count is now 256. This is still above the 181 required by the ordinance. Cheverus High School does not anticipate this slight reduction in spaces will have any significant effect on the school operation. Since it will be several years before the school population reaches the anticipated 700 students, it is not necessary to provide all the parking at this time. Should the need arise, Cheverus High School may use any number of methods of limiting the number of students who are allowed to drive cars to the campus.
 -  b. Removable Soccer Field Netting: Attached is a specification page describing the netting to be used at each end of the soccer field. The netting will be suspended at a height of approximately 30 ft. between three poles, and will wrap around each corner. The netting will be removed after each sports season.
 - c. Sewer Capacity Letter: Attached is a letter from the Portland Public Works Department stating the adequacy of the sewer system for the proposed Cheverus High School expansion.

HARRIMAN ASSOCIATES

Mr. Richard Knowland
June 27, 2000
Page 4

We understand we are scheduled to be on the agenda for the July 11, 2000 workshop. If you require any additional information, please do not hesitate to contact us or Michael Komich at Cheverus High School.

Sincerely,
Harriman Associates

A handwritten signature in black ink, appearing to read "Frank L. Crabtree". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

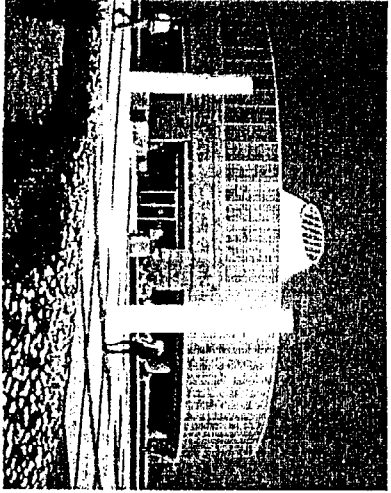
Frank L. Crabtree, P.E.

Flcra/bnmus

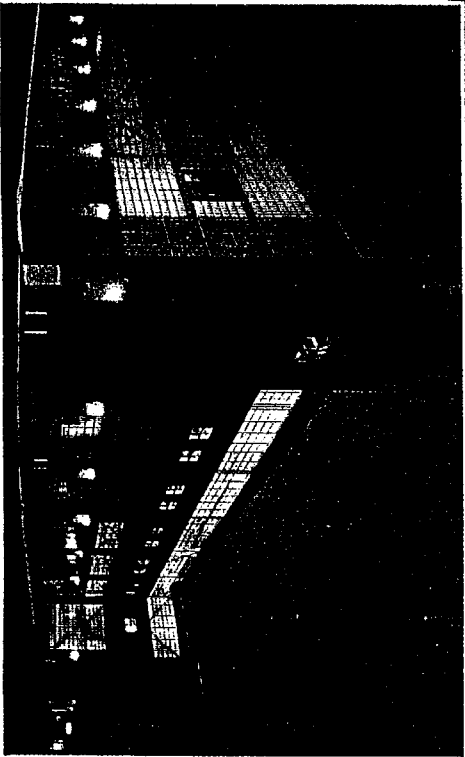
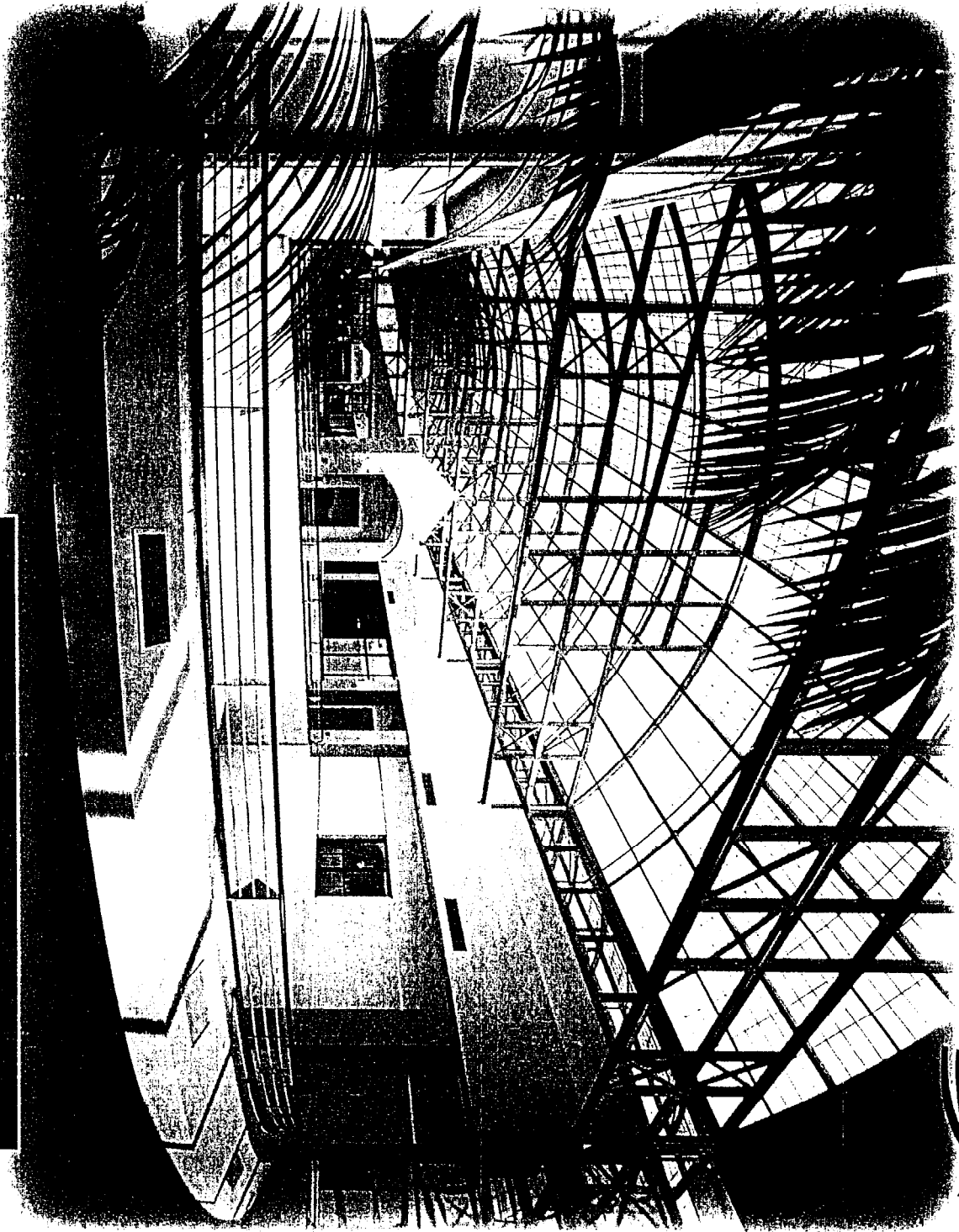
Enclosures

cc: Michael Komich
Fr. Keegan

Darling Library,
Azusa Pacific University, Azusa, CA
Winston Ko, Architect



Gen-Probe, San Diego, CA
Pacific Cornerstone Architects, Inc.; Frank Domin, Photography



Malden Mills, Lawrence, MA
Bechtel, Frank, Erickson Architects, Inc.
Nick Wheeler, Photography

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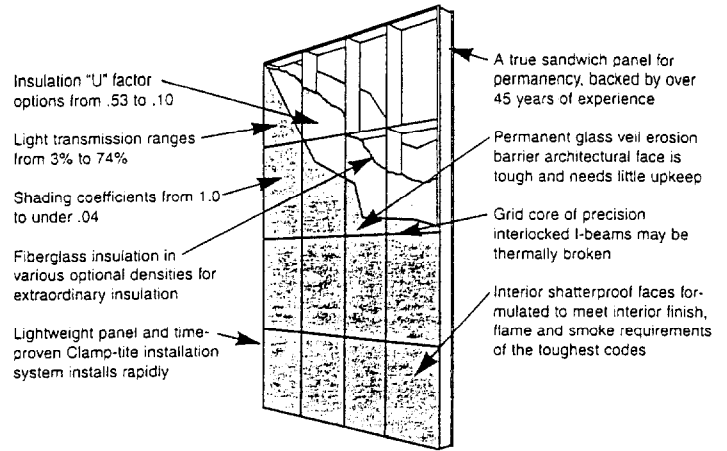
KALWALL IS A HIGHLY INSULATED STRUCTURAL UNIT

The primary element of the Kalwall System is a structural composite sandwich panel formed by permanently bonding specially formulated, fiberglass reinforced translucent faces to a grid core constructed of interlocked, extruded structural aluminum or composite I-beams. Panels can be curved or flat.

The panel's natural thermal properties are further improved by adding increased densities of translucent fiberglass "batts" and a thermally broken grid core. "U" Factor options from .53 to .10 by NFRC methods for 2³/₄" (70 mm) panels.

The total effect is a fenestration system that is beautiful, contemporary, colorful and TOUGH. One that requires almost no maintenance... and is low in cost to buy, to erect and to own!

OSHA compliant without screens and barriers as required with polycarbonates and glass!

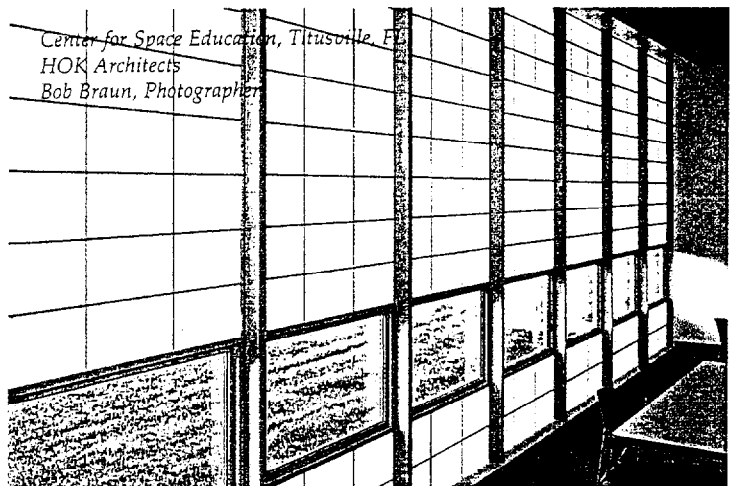
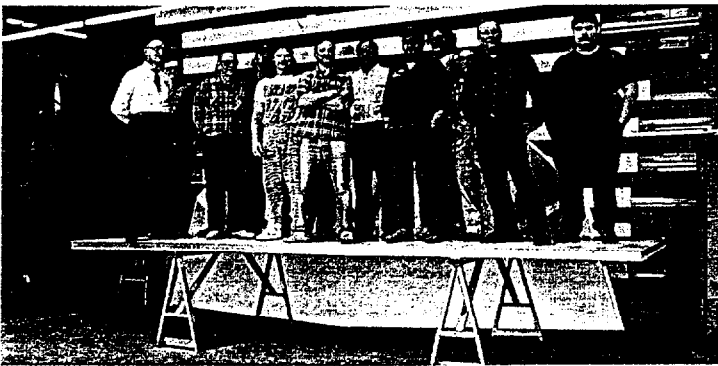


Kalwall is an engineered structural composite, fabricated and tested according to "Acceptance Criteria for Sandwich Panels" by the ICBO. Caution is urged in accepting "look-alike" materials as equivalents.

Does not melt or breakout in fire... as do polycarbonates and glass!

WHAT IS SO IMPORTANT ABOUT LOAD CAPACITY?

When the wind starts to howl, the rain and snow starts piling up or someone walks across a skylight or skyroof, enormous loads push delicate poly-plastic panels far beyond their limit. Warping, buckling and collapsing is then followed by extensive interior damage. Kalwall's revolutionary composite panels deliver miraculous performance, standing up to hurricane-force winds or the weight of workmen with ease.



*UC Davis Medical Center Central Plant, Davis, CA
Siegal/Diamond, Architects*



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A comprehensive line of standardized prefabricated and pre-engineered skylights and skyroofs fit perfectly into many designs. Custom engineering offers limitless possibilities including hurricane resistant, FM Class 1 and UL Class A Systems.

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Flat skylights for curb-type installation are available in two series, the C-Line 1⁹/₁₆" (40 mm) thick and the S-Line 2³/₄" (70 mm) thick. These highly insulating, shatterproof units are available in our "Express Lane" sizes up to 5' x 20' (1500 mm x 6000 mm). Complete details on these units are available in "The Kalwall Insulated Skylights" brochure.

STANDARD, PRE-ENGINEERED PYRAMIDS AND DOMES

These larger, fully self-supporting skylight units are standardized for "Express Lane" service delivery and significantly reduced costs! Four-sided pyramids are available from 4' to 20' square (1220 mm to 6100 mm). Geo-Roof segmented domes from 8' to 28' (2440 mm to 8540 mm) diameter are fully pre-engineered for a 40 lbs/sq. ft. load and are actually factory preassembled, then knocked down for ease of shipping. For further details refer to "The Kalwall Geo-Roof and Pyramid Skylights" brochure, (Sweets 08620/KAL).

CLEARSPAN SKYROOFS

For spans up to 100' (30 m), larger skylights, complete with supporting substructure, are available with a unique, trouble-free, single-source responsibility. Each individual job is custom engineered from standard components to meet your design and local code requirements. Kalwall's own factory technicians or local factory trained crews are available throughout North America. Request Kalwall's "Clearspan Systems" design detail package, (Sweets 08625/STR).

Insulated Translucent Walls of daylight! WALL AND WINDOW SYSTEMS

Kalwall's unique Window and Wall Systems offer an endless variety of configurations for total design flexibility. Color, pattern, scale, shape and light transmittance and reflection all can be varied. Thermal Break Systems, Explosion Venting and Kalcurve™ curved panels are all available to meet special conditions. Corrosion resistant finishes available in several colors.

WINDOW SYSTEMS

Kalwall's unique combination of high-performance translucent panels can include fixed or operating sash units and louvers to combine the best of all worlds into a cohesive single building system.

WALL SYSTEMS

Kalwall can be all or part of the wall of any structure, or even a curtain-wall system that wraps the entire structure. Kalwall Panel-unit Wall Systems can include opaque spandrels and windows. See page 9.

RETROFIT WINDOW/WALL REPLACEMENTS

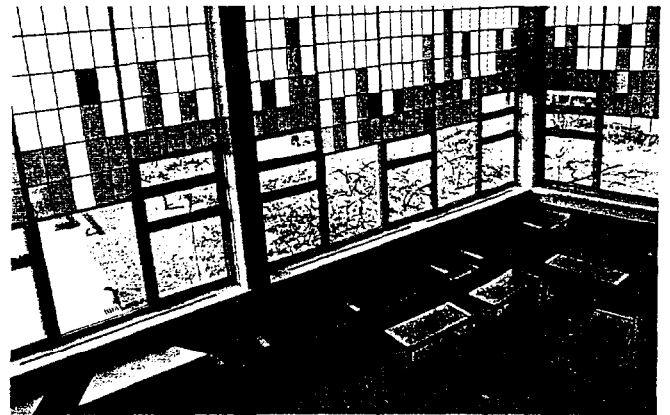
Tired, aging buildings can economically be updated to incorporate the outstanding properties of Kalwall. Using wall panels or panel unit walls, windows or even whole walls, Kalwall Replacement Systems pay for themselves in energy savings alone. Kalwall represents an entire building upgrade. Old buildings can be brought up to current codes, energy performance can be dramatically improved, yet the look and feel of old construction can be preserved, even historically significant buildings can benefit from new technology while preserving the original look.

Shepard Law School - Nova University, Ft. Lauderdale, FL
James Hartley, Architect



Kalwall's Eight Systems

For more information on other systems, see:
Sweets: 08620/KAL Skylights, 08625/STR Clearspan Systems.



Ecole Gerard-filion Boul Cure-Poirier, Longueuil, Quebec
Mario Petrone, Architecte; Pierre Perrault, Photography

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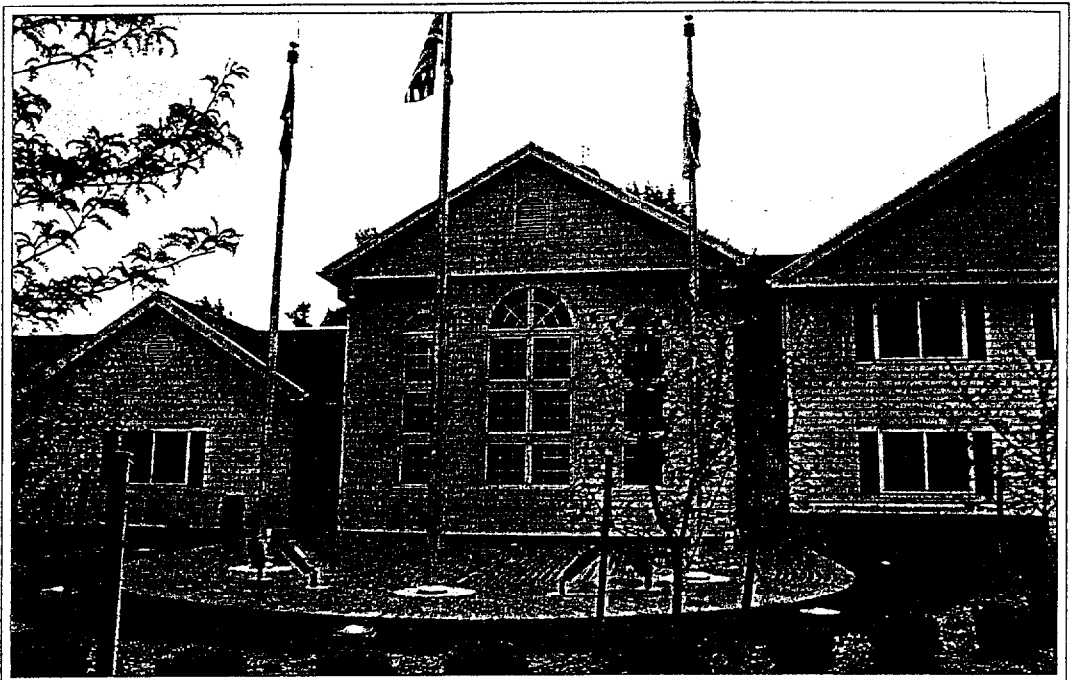
Single-source responsibility from
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Take the guesswork out of natural daylight level, distribution and quality.
Your needs → our solution.

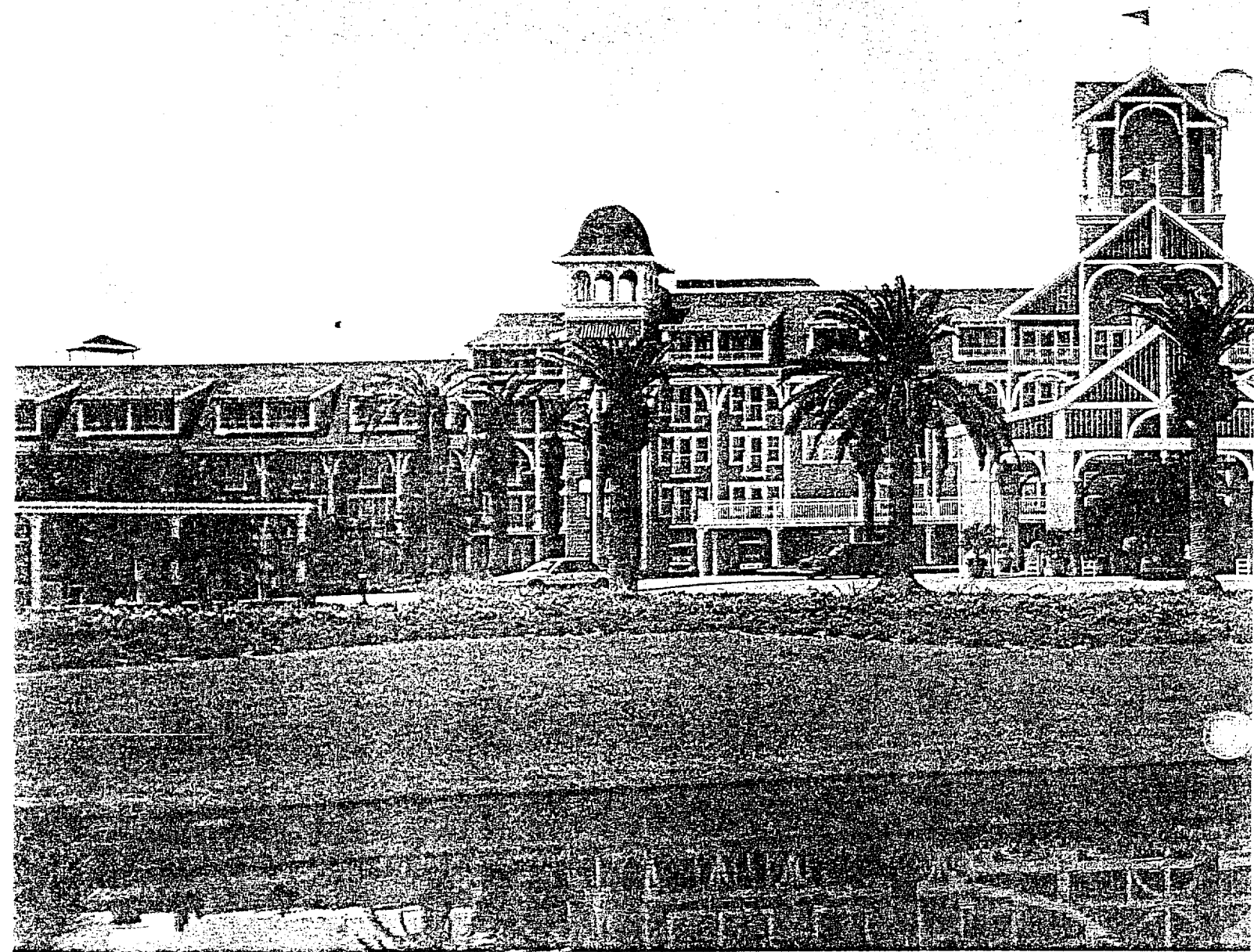
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Dicarlo & Dole Architects
Francini Construction,
General Contractor

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Helping You Create Beautiful Exteriors That Last For Years.

Specify Werzalit Cladding and your project will look better from Day One – and those good looks will last for years without repainting.

This is a distinctive cladding, one that embodies the appearance and appeal of wood, restrained textures, clean lines, designer colors. In sum, that classic look, that beauty, that mark of quality. Quality that endures. Weather, harsh environments, moisture, impact will not affect the appearance or structure of Werzalit Cladding. And it's designed for easy installation, compatible with standard construction materials and practices. The performance of Werzalit Cladding has been

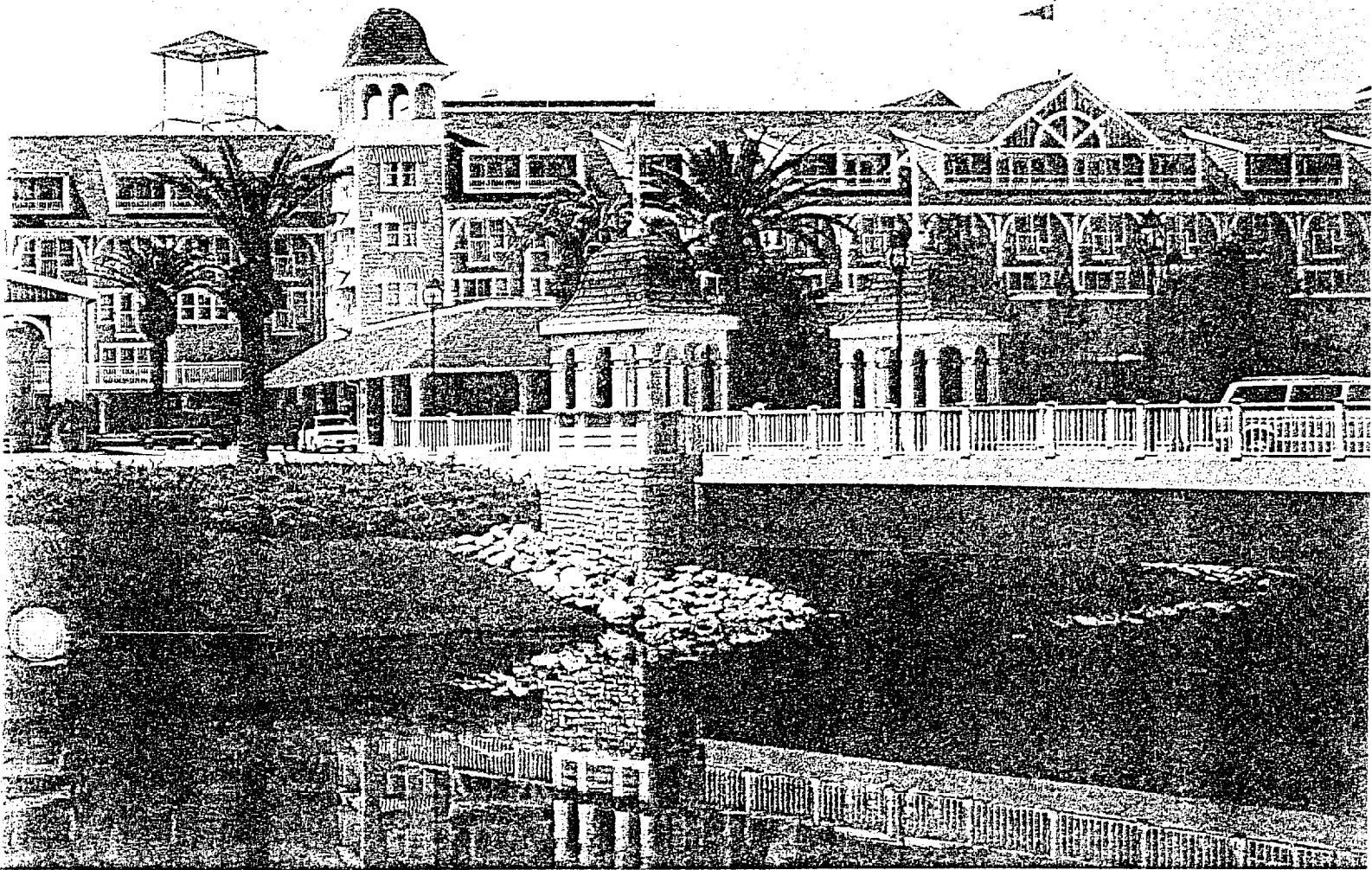
proven in Europe for several decades, and for more than ten years in this country.

How It's Made Makes The Difference.

This proprietary cladding, manufactured by Werzalit of America, was developed by Werzalit AG & Co. a group that has an established 65-year reputation for creating resin bonded building products.

And how this architectural product is manufactured is the key to its durability and aesthetic qualities.

Seasoned hardwoods are shredded, sieved, dried then combined with resins and preservatives. The mix is



molded into preshaped blanks then sandwiched with phenolic surface/reinforcing sheets and compressed under extreme heat and pressure. Panels are color coated with a thermoset acrylic finish and baked to a final cure.

The result is an easily-installed rigid architectural product whose structural integrity assures quality, durability and beauty for both new and retrofit construction.

Permanence And With Near-Zero Maintenance.

When delivered to the site - on time - Werzalit Cladding does not require pre- or post-

installation application of primers, paint, surface sealants or special finishes. It comes ready to be installed and after installation, assures these advantages.

Weather Resistance. The durability of Werzalit Cladding has proven itself regardless of climate or adverse environments. It is unaffected by ultra-violet rays - will not blister, flake or peel. It maintains its original texture, color, structural integrity even after years of being subjected to heat, snow, rain, salt water and environmental pollutants.

Moisture Resistance. The core of Werzalit Cladding is more

resistant to changes in moisture content than natural wood, hard-board or particle board. It will not warp, check or buckle with changes in humidity, temperature or freeze/thaw cycling.

Damage Resistance. Werzalit Cladding withstands splitting, cracking, splintering, installation abuse and vandalism. Hail, ice, everyday wear and tear will not dent, chip or nick its rigid, hard surfaces.

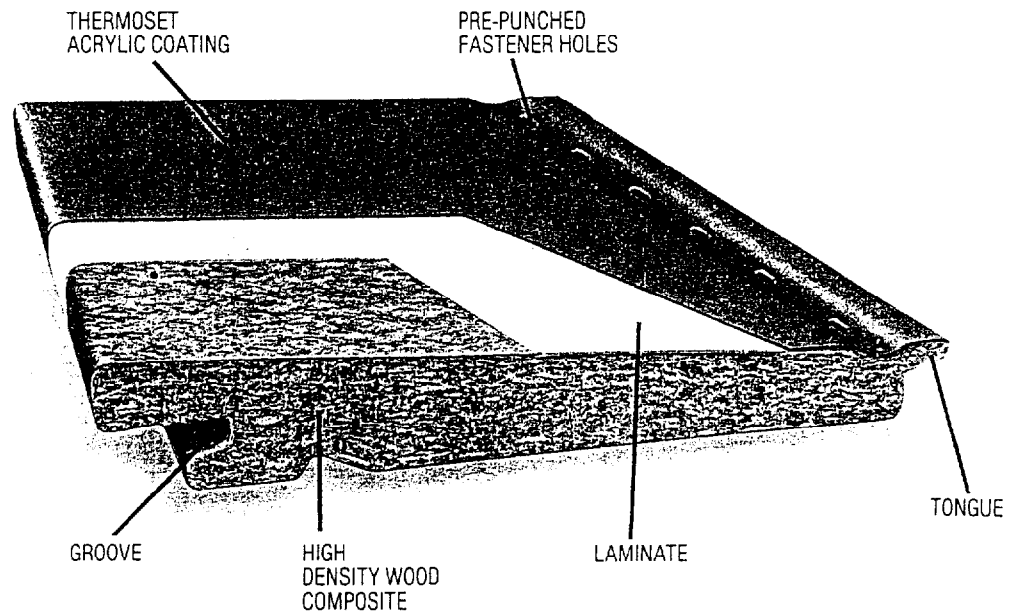
Stain/Scuff Resistance. The abrasion-resistant acrylic surfaces are easily cleaned and are impervious to acids, alkalines and cleaning solutions. Stains, scuffs, even graffiti are readily and quickly removed.

In sum, this distinctively beautiful, durable exterior cladding assures long-term benefits that reduce operating and maintenance costs to a degree unmatched by any other cladding/siding products.

From Substrate To Coating, Structured To Last.

As a result of proprietary process and production technologies, Werzalit takes the beauty of natural hardwoods and by combining them with cross-linked resins, preservatives and reinforcing sheets provides a complete monolithic architectural product.

This structure, finished with Aqualure thermoset acrylics, assures you of an exterior cladding unmatched in strength, rigidity and durability.



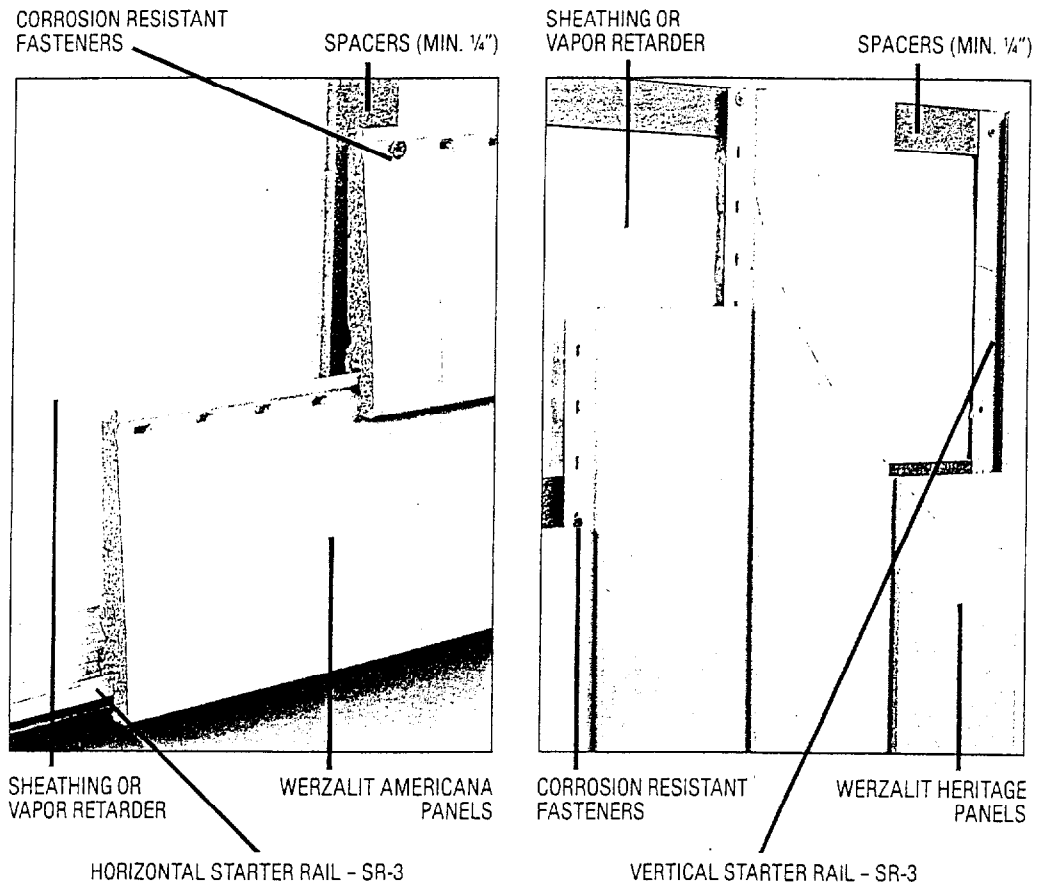
Easy To Handle Panels Installed By One Person.

Werzalit Cladding tongue-and-groove panels come with pre-drilled, hidden fastener holes elongated to allow for expansion and contraction. The length and rigidity of the panels allow simple assembly and one-man installation. No special tools, primers, paint, sealants or special finishes are required.

To install this time and labor saving building material over a standard supporting framework:

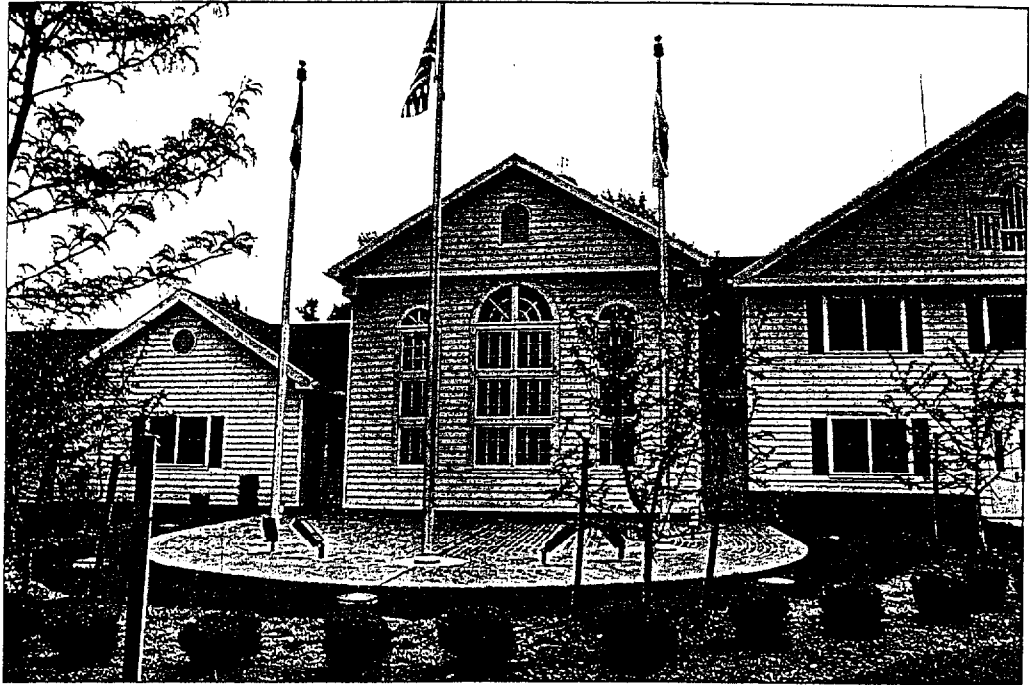
1. Fasten ventilation spacers and starter rail on the wall support.
2. Position initial panel on the starter rail.
3. Insert fastener in center of pre-drilled holes and secure panel to wall.
4. Slip subsequent tongue-and-groove panels into adjoining panels and fasten to wall.
5. Install Werzalit-supplied accessories as required.

Typical Stud Wall Construction



New Accessories Match The Cladding.

Inside/outside corners, starter rails and trim edge accessories finish off a building in style. All exposed accessories are cure coated to match the color panel you specify or can be finished in complementary or contrasting colors.



Walcott Town Hall
10 Kenea Ave.
Walcott, CT 06716

Architect: Dicarolo & Dole Architects
General Contractor: Francini
Construction

Talk With The People At Werzalit.

Werzalit Cladding offers the design options and flexibility to complement the architecture and environments of office complexes, health care facilities, recreation/resort facilities, hotels, motels, multi-dwelling

structures, homes and strip malls. A variety of panel profiles makes Werzalit Cladding ideal for the rehabilitation of urban housing and other restoration projects.

For further information,

cladding samples, architectural details and installation guidelines, contact your Werzalit representative or Werzalit of America, Inc., Architectural Products Division, 40 Holley Ave., Bradford, PA 16701.

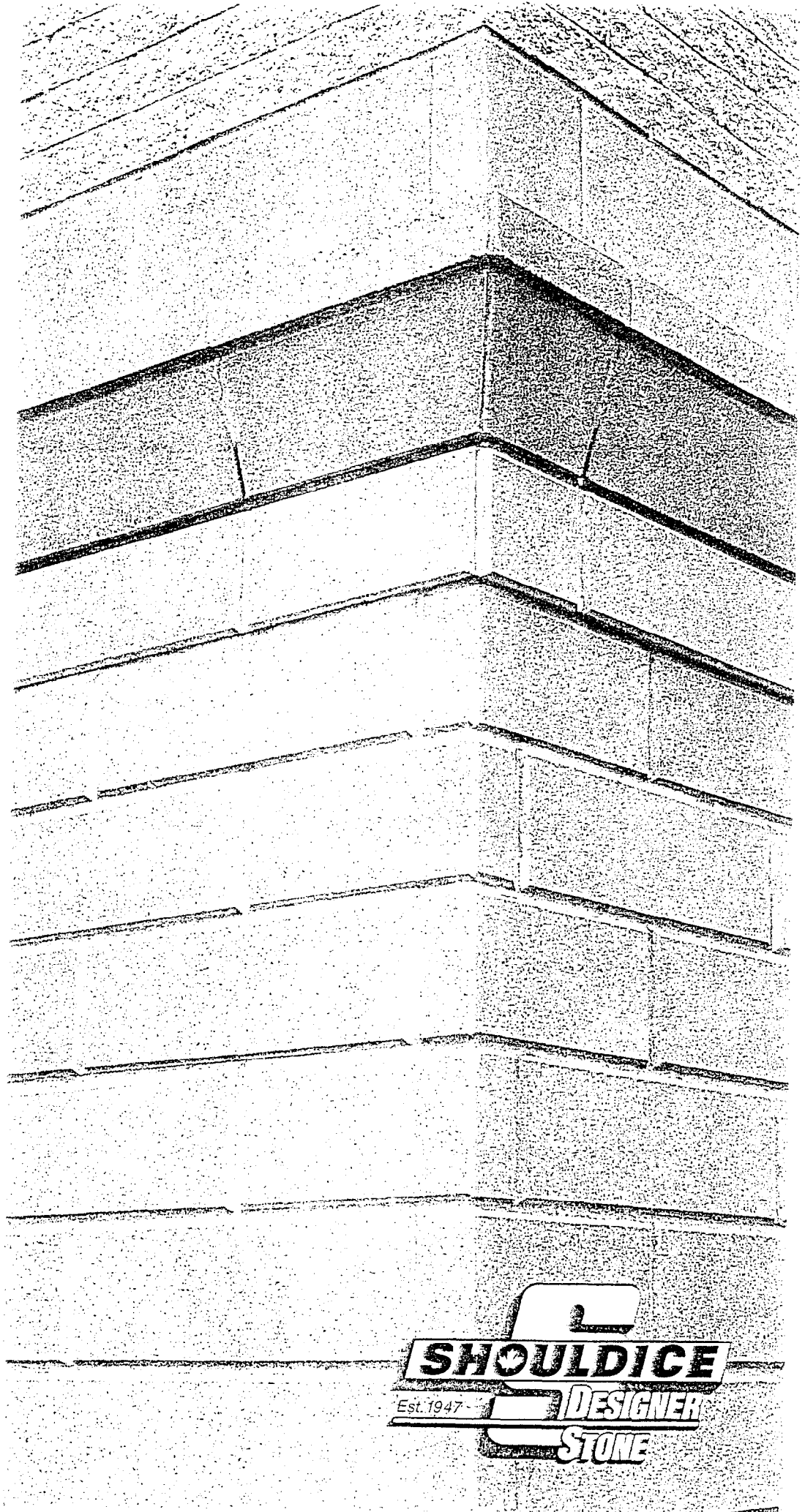
Phone 1-800-999-3730.

Or Fax your specification and within 24 hours we will Fax you a response on how Werzalit Cladding can and will fit your requirements. Our FAX number is 1-814-362-4237.

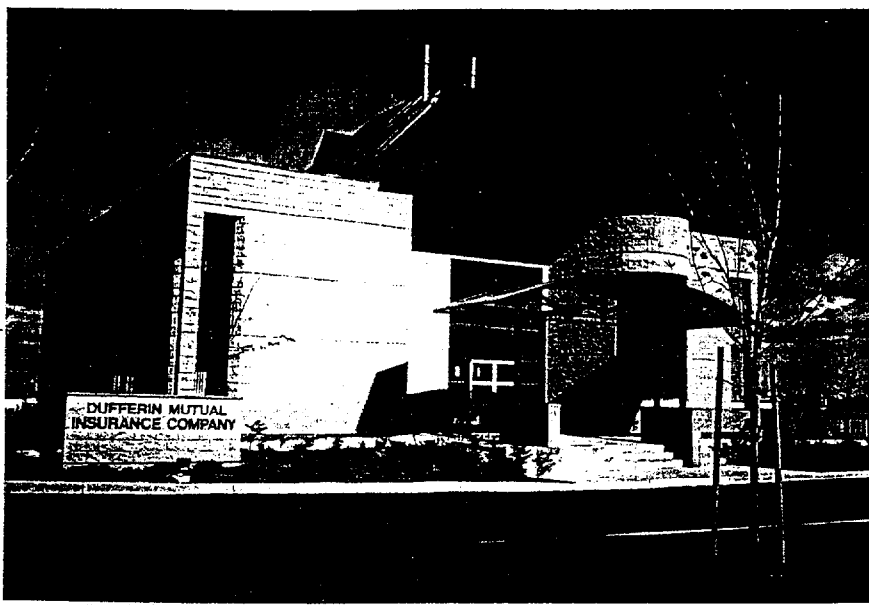


ARCHITECTURAL COLLECTION STONE MASONRY

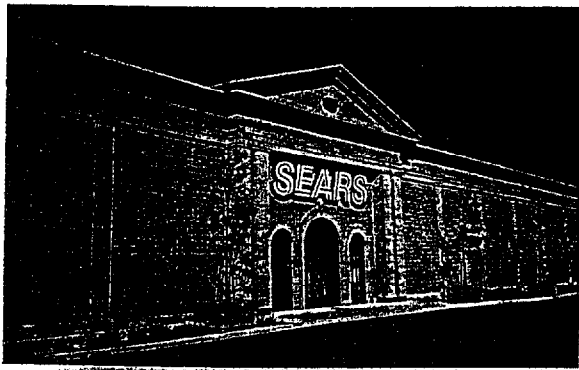
LOAD BEARING AND NON LOAD BEARING APPLICATIONS



SHOULDICE
Est. 1947
DESIGNER
STONE



ARCHITECTURAL COLLECTION STONE MASONRY



HI PRESSURE AND WATER REPELLENT

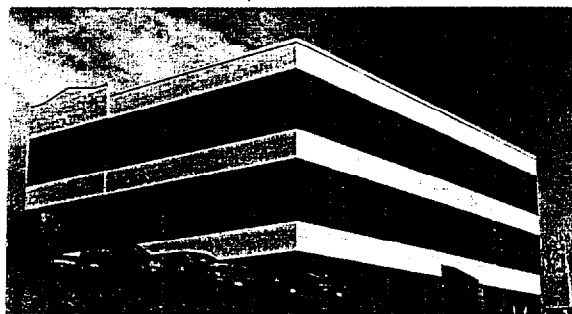
The Shouldice Designer Stone Architectural Collection is Hi Pressure and Water Repellent building units that may be used on building envelopes or incorporated into design, to accent and compliment completed wall systems.

USE AT GRADE LEVEL

The Architectural Collection may be used at grade level applications and incorporates integral water repellents throughout each unit for a lifetime

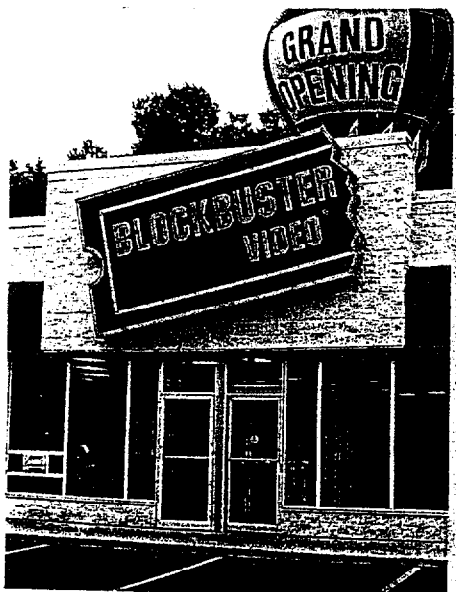
of performance.

Tapestry, Tex-Stone and Rock-Stone are available in a full compliment of sizes for load-bearing and non load-bearing applications. Tapestry features a Smooth

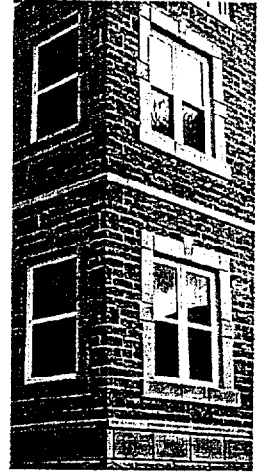
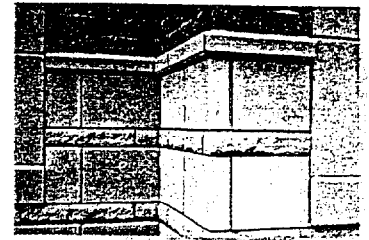
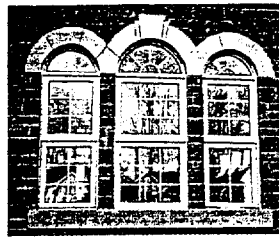
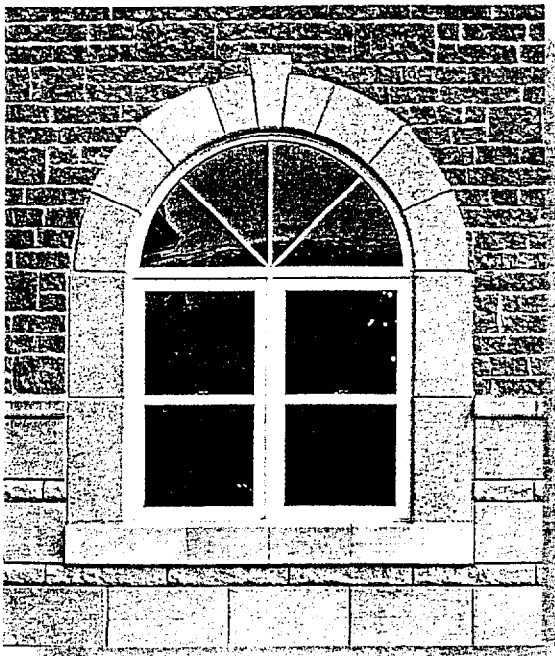


Polished Face texture with Standard Edge Bevels on all Finished Faces.

Tex-Stone features a Hammered Stipple Face texture with standard edge bevels on all finished faces. Rock-Stone features a Hand Chiselled Convex Face texture. Refer to specification sheets for shapes, sizes and custom applications. See colour samples on back.



DETAILS

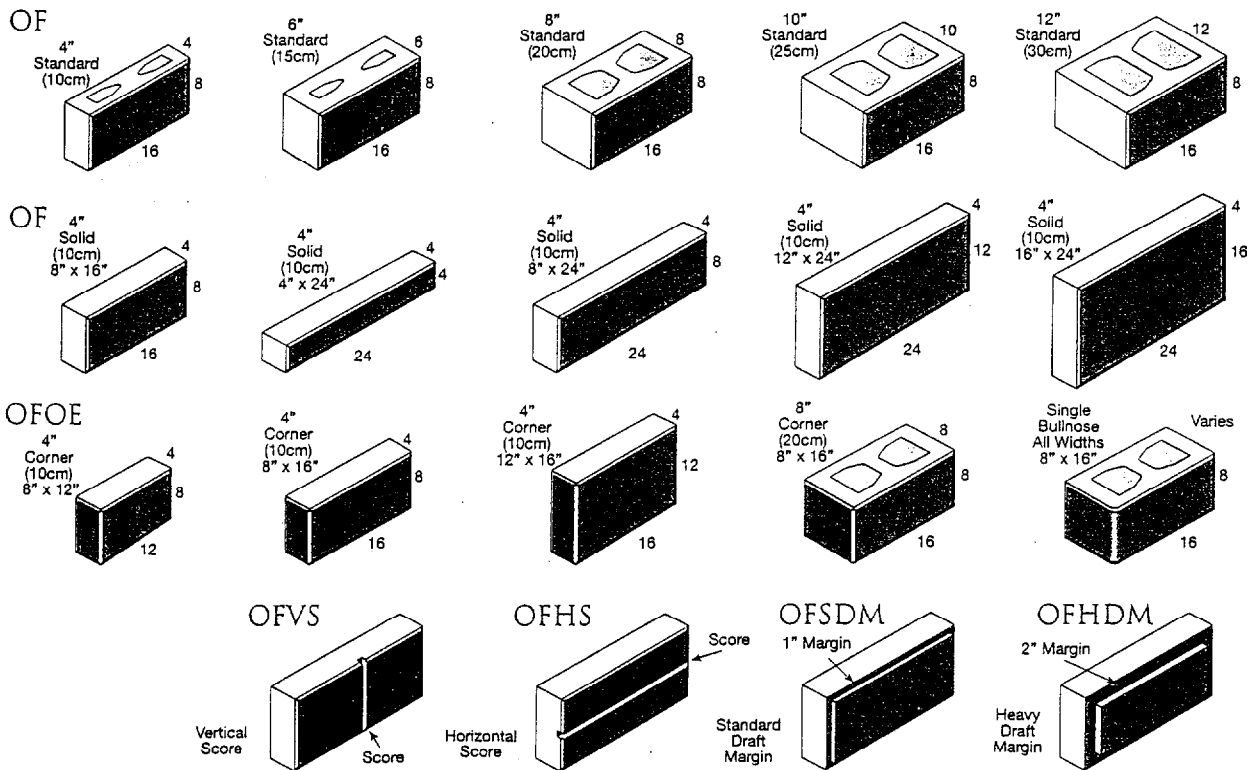


FLEXIBLE BY DESIGN

The Shoudice Designer Stone Collection is available in lengths up to 24 inches with heights up to 16 inches in 4 inch widths. Load-bearing units are available in lengths up to 16 inches with heights up to 8 inches in 4 inch through 12 inch widths. This selection allows the most design flexibility available today for all modes of construction.

PROFILES

ALL DIMENSIONS ARE IN INCHES



Refer to specification sheets for application details. All units are available in Metric and Imperial sizes.

STONE MASONRY UNIT TEST REPORT**

CSA STANDARD A165 Series-94 (ASTM C-90 Equivalent)			SHOULDICE DESIGNER STONE COLLECTION				
TYPE	1-25 (I)		90x90x290mm (4"x4"x12")	90x90x390mm (4"x4"x16")	90x190x390mm (4"x8"x16")	90x190x590mm (4"x8"x24")	90x290x590mm (4"x12"x24")
	AVG.	IND.					
Minimum Compressive Strength MPA (PSI)	25 (1900)	21.25 (1700)	36.4 (5278)	38.7 (5612)	28.2 (4089)	30.1 (4365)	29.8 (4321)
Maximum Saturation Coefficient*	0.78	0.80	0.69	0.71	0.64	0.67	0.69
Oven Dry Mass Density, Kg/m ³ (lbs/cu ft)	2000 (125)		2137 (132)	2199 (136)	2076 (128)	2242 (138)	2109 (130)
Maximum Water Absorption, percent by Mass	8		6.4	6.7	7.1	6.8	6.9

* Saturation coefficient means the ratio of the absorption after 24 h of submersion in cold water to the absorption after 5 h of submersion in boiling water as determined in accordance with CSA Standard CAN3-A82.2.

** Results of testing by Peto MacCallum Consulting Engineers, January 1998.



CHATEAU BRITANNIC CONDOMINIUMS
VICTORIA BRITISH COLUMBIA

CUSTOM COLOURS AVAILABLE

A broad spectrum of Designer colours are available in Mono-Tone, Twin-Tone and Tri-Tone colour blends. Custom colours are available on request.

EXCEEDS CODE

The Shouldice Designer Stone Architectural Collection is manufactured to exceed code standards of the CSA Standard A165 Series-94 and the ASTM C-90 and ASTM C-90 Grade N Type 1 Specifications.

The Shouldice Designer Stone Architectural Collection is available throughout Canada and the United States.



Phone: 1-800-265-3174 Fax: 1-800-211-6060
 email: designer@shouldice-stone.com
 Website: www.shouldice-stone.com
 en Français 1-800-361-9887

Printed in Canada

Rock Stone

Tapestry

Tex Stone

Rock Stone

Tapestry

Rock Stone

Tapestry

Tex Stone

Rock Stone

Tapestry

Tex Stone

Antique Bronze

Desert Buff

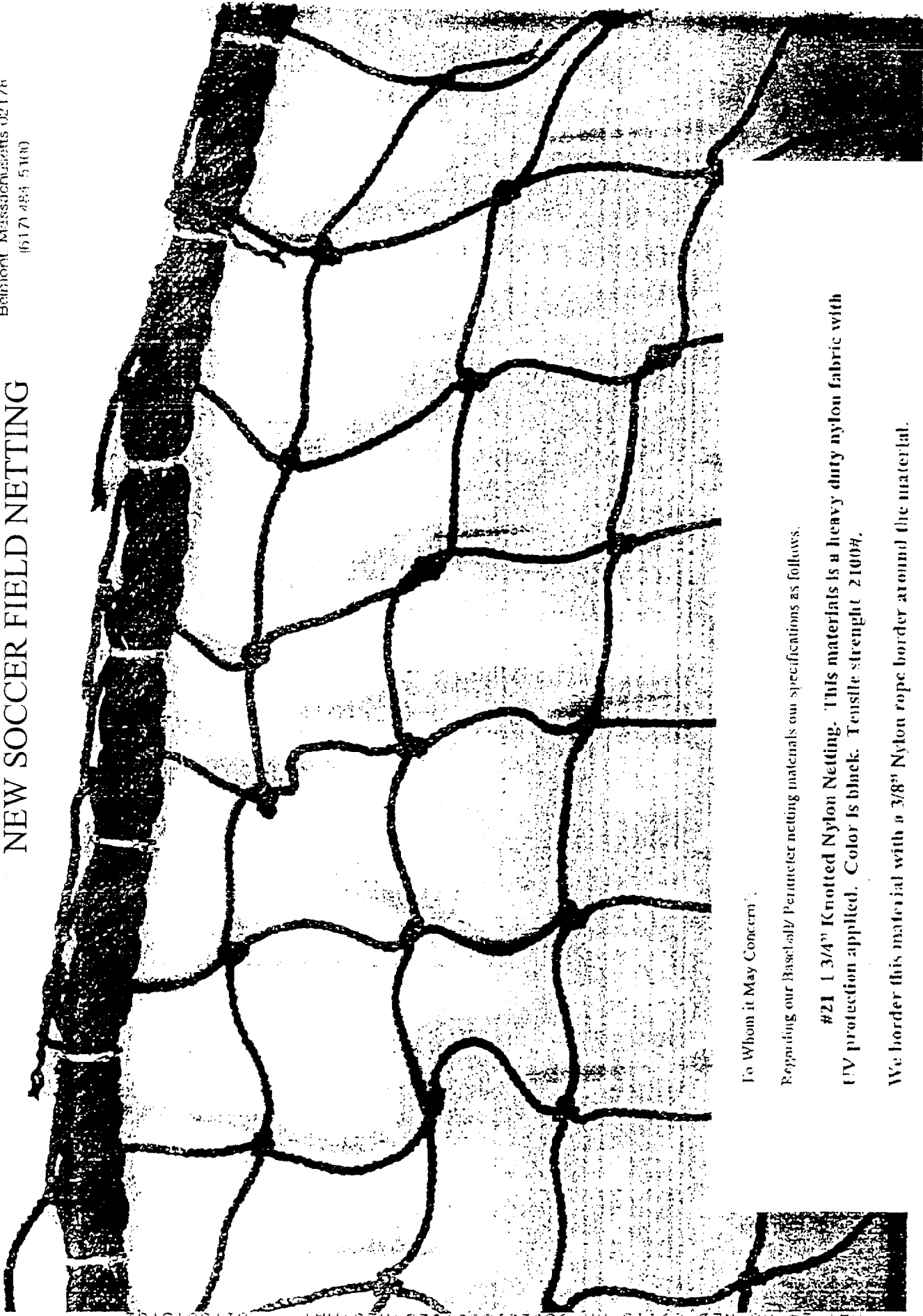
Executive Grey

Pearl White

CHEVERUS HIGH SCHOOL

NEW SOCCER FIELD NETTING

MURRAY SANDLER SUPPLY
60 Concord Avenue
Belmont, Massachusetts 02178
(617) 451-5100



To Whom it May Concern:

Regarding our Baseline/Perimeter netting materials our specifications as follows.

#21 1 3/4" Knotted Nylon Netting. This material is a heavy duty nylon fabric with UV protection applied. Color is black. Tensile strength 2100#.

We border this material with a 3/8" Nylon rope border around the material.

Department of Public Works

William J. Bray
Director

CITY OF PORTLAND

26 June 2000

Mr. Frank L. Crabtree, P.E.,
Harriman Associates,
One Auburn Business Park,
Auburn, Maine 04210

**RE: The Capacity to Transport & Treat Wastewater Flows from
Cheverus High School.**

Dear Mr. Crabtree:

The Clifton Street Diversion Structure, located at 342 Clifton Street, has adequate capacity to transport the anticipated wastewater flows of 3,960 GPD, from your proposed additions. The Portland Water District sewage treatment facilities, located off Marginal Way, have adequate capacity to treat those anticipated wastewater flows of 3,960 GPD, from your proposed additions.

Anticipated Wastewater Flows from the Proposed High School Additions

Proposed 305 Students @ 12 GPD/ Student	= 3,660 GPD
Proposed 18 Teachers @ 15 GPD/ Teacher	= 270 GPD
Proposed 2 Staff @ 15 GPD/ Staff	= <u>30</u> GPD
Total Proposed Increase in Wastewater Flows for this Project	= 3,960 GPD

~~If~~ can be of further assistance, please call me at 874-8832.

Sincerely,
CITY OF PORTLAND

Frank Brancely
Frank J. Brancely, BA, MA
Senior Engineering Technician

FJB

CC: Joseph E. Gray, Director, Department of Planning, & Urban Development, City of Portland
Richard Knowland, Senior Planner, Dept. of Planning, & Urban Development, City of Portland
Katherine A. Staples, PE, City Engineer, City of Portland
Bradley A. Roland, PE, Environmental Projects Engineer, City of Portland
Anthony W. Lombardo, PE, Project Engineer, City of Portland
Stephen K. Harris, Assistant Engineer, City of Portland
Desk File

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Worksheets for Evaluating Stormwater BMPs

Worksheet 1. Identifying Subwatersheds

Step 1. Identify and characterize significant subwatersheds within the development site. Since no receiving water should receive stormwater that has not received the prescribed net level of treatment (% TSS Removal), areas which drain to different rivers, streams or brooks; lakes or ponds; or coastal waters should be delineated and evaluated discreetly. This means that if the entire developed site drained directly to a single stream it could all be treated as one watershed, but if half of it drained to stream "x" and the other half to stream "y", two separate watersheds must be delineated and two separate analyses performed. Delineate each subwatershed in the development site and complete the following table. Indicate whether the development is a residential subdivision or nonsubdevesion.

Sub-wtshd ID	Receiving Waterbody	Type of Development subd, nonsub	Total Area (Acres)	Wetland Area (Acres)	Develop-able Area total-wetl
1	BERRY BROOK	NON-SUB	24.09	0.5	23.59

For subwatersheds which drain directly or indirectly to *sensitive lakes or ponds* see Phosphorus Control in Lake Watersheds: a Technical Guide for Evaluating New Development (DEP,1992).

For subwatersheds which *do not* drain directly or indirectly to *sensitive lakes or ponds* go to Worksheet 2

Worksheets for Evaluating Stormwater BMPs

Worksheet 2. Determining the Required Level of Treatment

Note: This worksheet is meant to be used on subwatersheds which *do not* drain directly or indirectly to sensitive lakes or ponds.

Step 2. Determine the required level of stormwater treatment for each sub watershed.

a. Residential subdivisions:

- (1). For subdivisions with an existing impervious surface road or with new or upgraded roads with less than 4,000 sq. ft. of additional impervious surface the required level of stormwater treatment is **15% TSS removal**.
- (2). For subdivisions with new or upgraded roads greater than 4,000 sq. ft. new impervious surface the required level of stormwater treatment is **40% TSS removal**.

b. Non subdivision development: Complete the following table by:

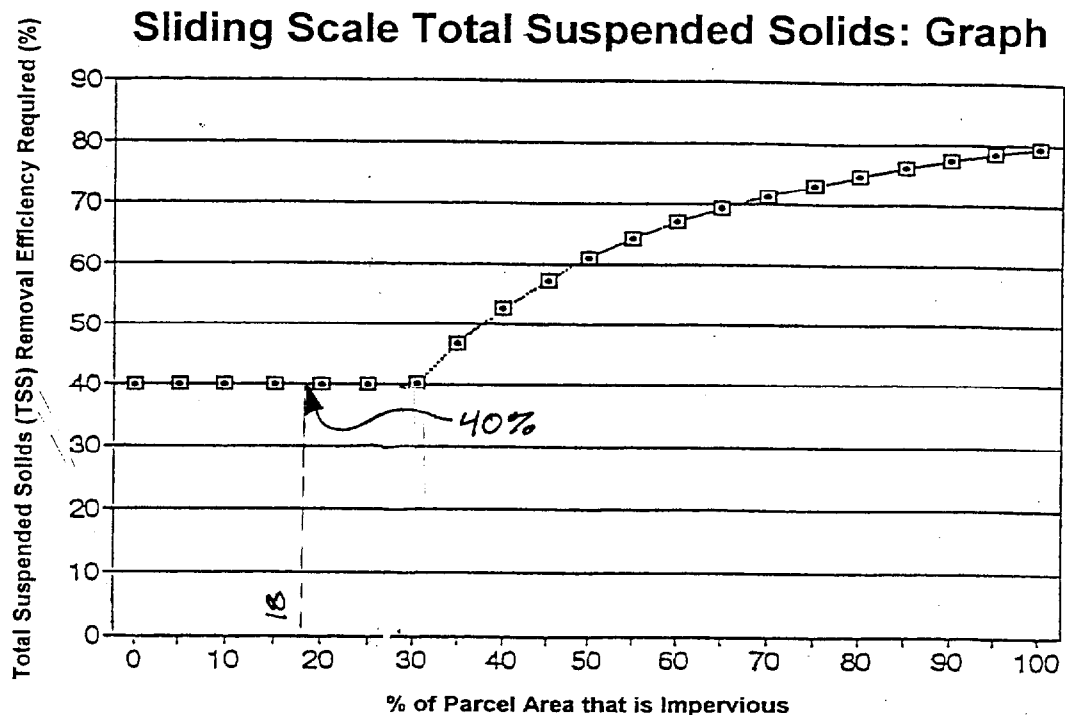
- (1). Calculating the % imperviousness for each subwatershed by dividing the area within the subwatershed which will be **impervious** (definition in Sect 5.2.2) after development by the total developable area within the subwatershed and multiplying by 100.

$$\% \text{ Impervious} = (\text{Impervious Area} / \text{Developable Area}) \times (100)$$

- (2). Using the curve in figure ? to determine the required % TSS removal.

Sub-wtshd ID	Type of Development subd, nonsub	Imperv. Area (Acres)	Develop. Area (Acres)	% Imper- vious	% TSS Removal (fig. ?)
1	NON-SUB	4.24	23.59	18%	40%

Next Step: Complete Worksheet 3a + 3b (residential subdivision) or 3c (non-subdivision) for each subwatershed.



- (c) Phosphorus standard. The project must incorporate appropriate stormwater best management practices so that the project will not exceed the allowable per-acre phosphorus allocation for the lake.

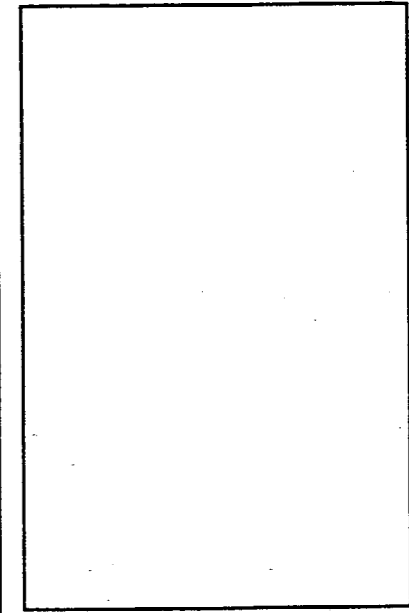
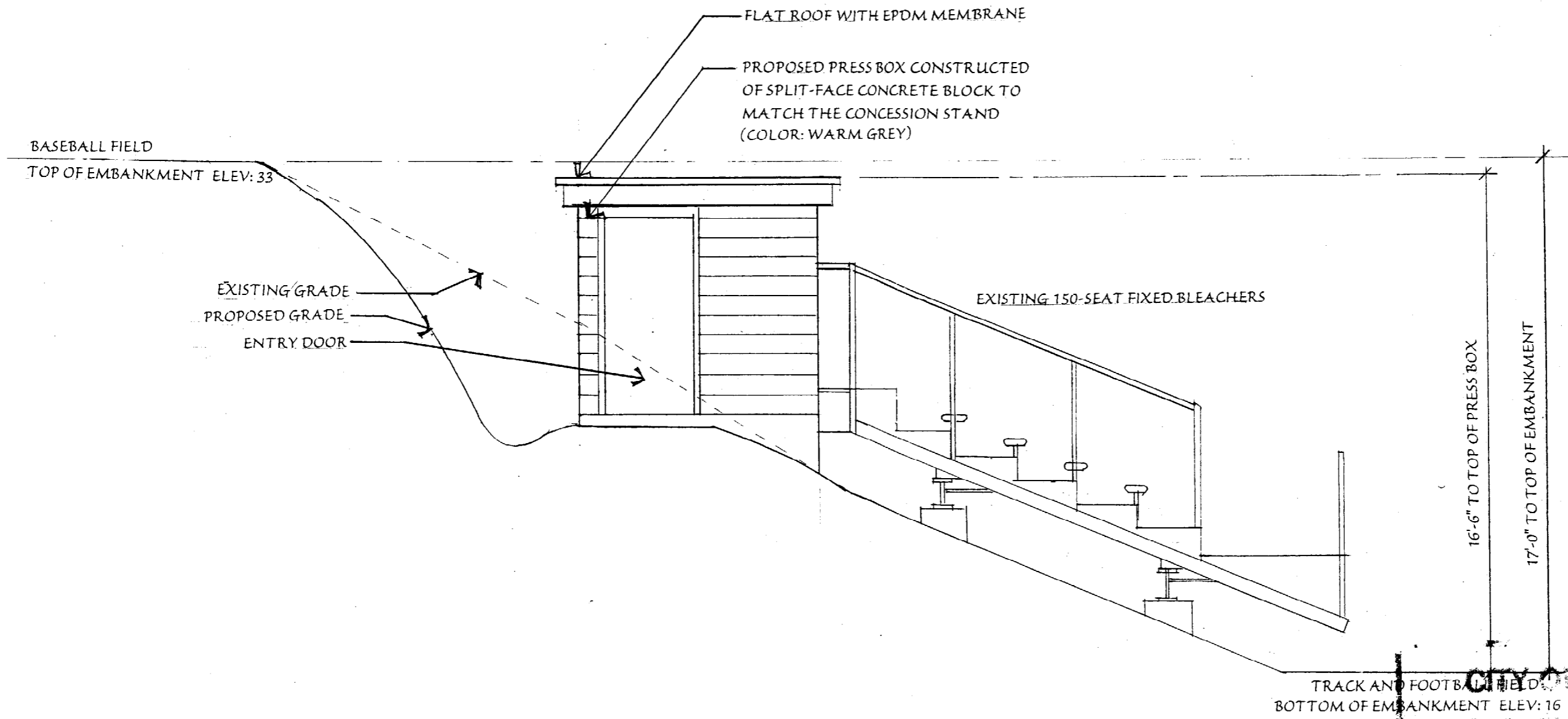
An allowable per-acre phosphorus allocation for each lake most at risk will be determined by the department, based upon (i) current water quality, (ii) potential for internal recycling of phosphorus, (iii) potential as a cold-water fishery, (iv) volume and flushing rate, and (v) projected growth in the watershed, and will be used to determine project phosphorus allocations unless the applicant proposes an alternative per-acre phosphorus allocation that is approved by the department. If the project is a new road in a subdivision, only 50% of the parcel's allocation may be applied to the new road unless phosphorus export from both the new road and the new lots is being addressed, in which case the entire allocation for the parcel may be applied.

NOTE: For guidance in calculating per-acre phosphorus allocations and in determining if stormwater phosphorus export from a project meets or exceeds the parcel's allocation, see "Phosphorus Control in Lake Watersheds: A Technical Guide for Evaluating New Development", Maine Department of Environmental Protection (1992).

- (d) Basic stabilization standard--Each of the following requirements must be met.

Project Title
**CHEVERUS
 HIGH SCHOOL**
 PORTLAND, ME

HA Project No. **00170**



Date	04-20-01
Scale	1/4"=1'-0"

CITY OF PORTLAND
 DEPARTMENT OF PLANNING AND DEVELOPMENT
 DATE OF APPROVAL

Drawing Title
**PRESS BOX
 ELEVATION**
 Drawing Number
5-14-01

BASEBALL FIELD
TOP OF EMBANKMENT ELEV: 33

FLAT ROOF WITH EPDM MEMBRANE

PROPOSED PRESS BOX CONSTRUCTED
OF SPLIT-FACE CONCRETE BLOCK TO
MATCH THE CONCESSION STAND
(COLOR: WARM GREY)

PRESS BOX WINDOWS

EXISTING 150-SEAT FIXED BLEACHERS

TRACK AND FOOTBALL FIELD
BOTTOM OF EMBANKMENT ELEV: 16

Architects + Engineers

HARRIMAN ASSOCIATES

One Auburn Business Park
Auburn, Maine 04210

207.784.5100 tel
207.782.3017 fax
www.harriman.com

Building communities
since 1870

© 2000

Project Title

CHEVERUS
HIGH SCHOOL

PORTLAND, ME

HA Project No.

00170

Date 04-20-01

Scale 1/4" = 1'-0"

Drawing Title

PRESS BOX
ELEVATION

Drawing Number