

New Billings at the University of California

July 15, 1954

Dear Mr. [Name]

I have received your letter of July 10, 1954, regarding the [subject]. I am sorry that I cannot provide a more definitive answer at this time, but the [subject] is still under review. I will contact you again once a final decision has been reached.

The [subject] is a complex issue that requires careful consideration. I have discussed it with the relevant departments and we are working to resolve any outstanding concerns as quickly as possible. Your patience is appreciated.

I will be sure to keep you informed of any developments. Thank you for your understanding.

1

Mr. Halsey Davis-----

July 10, 1957

is made to push it up nothing happens. This horizontal lever is the type, however, which will now be used on your second building and, I believe, on the Watkin's store in the first building.

I feel sure that you will get the best consideration the Board can give at the earliest possible date.

Very truly yours,

Warren McDonald
Inspector of Buildings

WMD/s

October 15, 1957

AP- 91 Auburn Street-Installation of gas-fired appliance

Portland Gas Light Company
5 Temple Street
Shaws Realty Company
585 Congress Street

Gentlemen:

In connection with venting of the gas-fired appliances at the above location, it is to be borne in mind that any combination of appliances connected to a single type "B" vent must not exceed flue-gas temperature of 550°, otherwise the type "A" vent is not allowable.

Also, at least an inch clearance is required by the type "B" vent and curable material. It is necessary that the type "B" vent be used at every point outside of the room in which the appliance it vents, is located.

Very truly yours,

Warren McDonald
Inspector of Buildings

WMC:DM

Enc: Portland Gas Light Company
permit card and copy of application



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, Oct. 14, 1957

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location 91 Auburn St. Use of Building Stores No. Stories 1 New Building Existing Shaw's Realty Co. 685 Congress St. Installer's name and address Portland Gas Light Company, 5 Temple St. Telephone 2-8321

General Description of Work

To install (1) LDEFF-125 Reznor Unit Heater, (2) LDEFF-75 Reznor Unit Heaters, and (1) LD125 Reznor Unit. To heat new addition.

IF HEATER, OR POWER BOILER

Location of appliance Unit heaters Any burnable material in floor surface or beneath? none suspended from ceiling If so, how protected? Kind of fuel? gas Minimum distance to burnable material, from top of appliance or casing top of furnace 14" From top of smoke pipe going thru front of appliance 4" From sides or back of appliance 8" Size of chimney flue Pool with type "B" gas vent. (metabestos) Other connections to same flue If gas fired, how vented? thru roof Rated maximum demand per hour Will sufficient fresh air be supplied to the appliance to insure proper and safe combustion? yes

IF OIL BURNER

Name and type of burner Labelled by underwriters' laboratories? Will operator be always in attendance? Does oil supply line feed from top or bottom of tank? Type of floor beneath burner Size of vent pipe Location of oil storage Number and capacity of tanks Low water shut off Make No. Will all tanks be more than five feet from any flame? How many tanks enclosed? Total capacity of any existing storage tanks for furnace burners

IF COOKING APPLIANCE

Location of appliance Any burnable material in floor surface or beneath? If so, how protected? Height of Legs, if any Skirting at bottom of appliance? Distance to combustible material from top of appliance? From front of appliance From sides and back From top of smoke pipe Size of chimney flue Other connections to same flue Is hood to be provided? If so, how vented? Forced or gravity? If gas fired, how vented? Rated maximum demand per hour

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

Heaters are equipped with device which will automatically cut off all gas supply in case pilot flame is extinguished.

Amount of fee enclosed? 3.50 (\$2.00 for one heater, etc., 50 cents additional for each additional heater, etc., in same building at same time.)

APPROVED: O.K. 288 10/14/57

Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? yes Portland Gas Light Company

C17 MAINE PRINTING CO.

INSPECTION COPY

Signature of Installer by E. J. Spaulding



IN BUSINESS WORK

APPLICATION FOR PERMIT

Class of Building or Type of Structure..... 2nd class
 Portland, Maine, Oct. 13, 1957

OCT 13 1957
 01661
 OCT 13 1957
 CITY OF PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to ~~erect alter repair demolish~~ install the following building structure equipment in accordance with the Laws of the State of Maine, the Building Code and Zoning Ordinance of the City of Portland, plans and specifications, if any, submitted herewith and the following specifications:

Location 73-113 Auburn St. Within Fire Limits? .. Dist. No.
 Owner's name and address George C Shaw Company, 585 Congress St. Telephone ..
 Lessee's name and address Telephone ..
 Contractor's name and address N.B. Bourne & Son, 56 Cross St. Telephone 2-3907
 Architect Specifications Plans yes No. of sheets 1
 Proposed use of building Stores No. families ..
 Last use No. families ..
 Material No. stories 1 Heat Style of roof Roofing ..
 Other building on same lot
 Estimated cost \$ Fee \$ 2.00

General Description of New Work

- To install mechanical ventilation system. as per plan.
- To install air-conditioning system as per plan
- Unit heaters furnished and installed by others. (Port. Gas Light Co. applied)

It is understood that this permit does not include installation of heating apparatus which is to be taken out separately by and in the name of the heating contractor. **PERMIT TO BE ISSUED TO** contractor

Details of New Work

Is any plumbing involved in this work? Is any electrical work involved in this work? ..
 Is connection to be made to public sewer? If not, what is proposed for sewage? ..
 Has septic tank notice been sent? Form notice sent? ..
 Height average grade to top of plate Height average grade to highest point of roof ..
 Size, front depth No. stories solid or filled land? earth or rock? ..
 Material of foundation Thickness, top bottom cellar ..
 Material of underpinning Height Thickness ..
 Kind of roof Rise per foot Roof covering ..
 No. of chimneys Material of chimneys. . . . of lining Kind of heat fuel
 Framing lumber—Kind Dressed or full size? ..
 Corner posts Sills Girt or ledger board? Size ..
 Girders Size Columns under girders Size Max. on centers ..
 Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.
 Joists and rafters: 1st floor....., 2nd....., 3rd....., roof ..
 On centers: 1st floor....., 2nd....., 3rd....., roof ..
 Maximum span: 1st floor....., 2nd....., 3rd....., roof ..
 If one story building with masonry walls, thickness of walls? height? ..

If a Garage

No. cars now accommodated on same lot....., to be accommodated. number commercial cars to be accommodated ...
 Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building? ..

APPROVED:

Miscellaneous

Will work require disturbing of any tree on a public street? no
 Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? yes

INSPECTION COPY

Signature of owner

by: George C Shaw Co.
N.B. Bourne & Son

F.M.



APPLICATION FOR PERMIT

Class of Building or Type of Structure..... Installation.....

Portland, Maine,.....September 5, 1957.....

01298
SEP 10 1957

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to ~~erect~~ ~~alter~~ ~~repair~~ ~~demolish~~ install the following building structure equipment in accordance with the Laws of the State of Maine, the Building Code and Zoning Ordinance of the City of Portland, plans and specifications, if any, submitted herewith and the following specifications:

Location 73-113 Auburn Street..... Within Fire Limits?..... Dist. No.

Owner's name and address George C. Shaw Co., 585 Congress St..... Telephone

Lessee's name and address Telephone

Contractor's name and address Grinell Co., 501 Fore St..... Telephone

Architect Specifications Plans yes..... No. of sheets .. 1 ..

Proposed use of building Stores..... No. families

Last use "..... No. families

Material No. stories 1..... Heat Style of roof Roofing

Other building on same lot

Estimated cost \$..... Fee \$.. 2.00 ..

General Description of New Work

To install wet sprinkler system for four stores (new addition) as per plan

It is understood that this permit does not include installation of heating apparatus which is to be taken out separately by and in the name of the heating contractor. **PERMIT TO BE ISSUED TO** Grinell Co.

Details of New Work

Is any plumbing involved in this work?..... Is any electrical work involved in this work?.....

Is connection to be made to public sewer?..... If not, what is proposed for sewage?.....

Has septic tank notice been sent?..... Form notice sent?.....

Height average grade to top of plate..... Height average grade to highest point of roof.....

Size, front..... depth..... No. stories..... solid or filled land?..... earth or rock?.....

Material of foundation..... Thickness, top..... bottom..... cellar.....

Material of underpinning..... Height..... Thickness.....

Kind of roof..... Rise per foot..... Roof covering.....

No. of chimneys..... Material of chimneys..... of lining..... Kind of heat..... fuel.....

Framing Lumber--Kind..... Dressed or full size?..... Corner posts..... Sills.....

Size Girder..... Columns under girders..... Size..... Max. on centers.....

Kind and thickness of outside sheathing of exterior walls?.....

Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.

Joists and rafters: 1st floor....., 2nd....., 3rd....., roof.....

On centers: 1st floor....., 2nd....., 3rd....., roof.....

Maximum span: 1st floor....., 2nd....., 3rd....., roof.....

If one story building with masonry walls, thickness of walls?..... height?.....

If a Garage

No. cars now accommodated on same lot....., to be accommodated..... number commercial cars to be accommodated.....

Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building?.....

APPROVED:
ON-9/16/57-ags
.....
.....
.....

Miscellaneous

Will work require disturbing of any tree on a public street?.....

Will there be in charge of the above work a person who has seen that the State and City requirements pertaining to the work are observed?..... YES.....

Grinell Co.

..... of owner



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, April 12, 1957

00456 APR 22 1957

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Law of Maine, the Building Code of the City of Portland, and the following specifications:

Location 91 Auburn St. Use of Building shopping center No. Stories 1 New Building Existing
Name and address of owner of appliance Northgate Shopping Center, 585 Congress St.
Installer's name and address Portland Gas Light Co., 5 Temple St. Telephone 2-8321

General Description of Work

To install gas-fired 5 DS-250 Reznor heaters and 1 DS-300 Reznor heater

IF HEATER, OR POWER BOILER

Location of appliance suspended Any burnable material in floor surface or beneath?
If so, how protected? Kind of fuel? GAS
Minimum distance to burnable material, from top of appliance or casing top of furnace 15"
From top of smoke pipe From front of appliance over 4" From sides or back of appliance over 3"
Size of chimney flue Other connections to same flue
If gas fired, how vented? through roof metalbestos Type B Rated maximum demand per hour
Will sufficient fresh air be supplied to the appliance to insure proper and safe combustion? YES

IF OIL BURNER

Name and type of burner Labelled by underwriters' laboratories?
Will operator be always in attendance? Does oil supply line feed from top or bottom of tank?
Type of floor beneath burner Size of vent pipe
Location of oil storage Number and capacity of tanks
Low water shut off Make No.
Will all tanks be more than five feet from any flame? How many tanks enclosed?
Total capacity of any existing storage tanks for furnace burners

IF COOKING APPLIANCE

Location of appliance Any burnable material in floor surface or beneath?
If so, how protected? Height of Legs, if any
Skirting at bottom of appliance? Distance to combustible material from top of appliance?
From front of appliance From sides and back From top of smokepipe
Size of chimney flue Other connections to same flue
Is hood to be provided? If so, how vented? Forced or gravity?
If gas fired, how vented? Rated maximum demand per hour

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

All heaters to be equipped with device which will automatically shut off all gas supply in case pilot flame is extinguished.

Handwritten note: I have signed this permit... I should have to have... 4/12/57

Amount of fee enclosed? 4.50 (\$2.00 for one heater, etc., 50 cents additional for each additional heater, etc., in same building at same time.)

APPROVED:

OK C.P.S. 4/12/57

Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? YES

Portland Gas Light Co.

Signature of Installer by: Guy H. Spindling Jr.

DITION COPY

NOTES

11/6/57 - 1 1/2" hole in roof -
1 1/2" pipe E.S.S.

4/16/59 - Mrs. McGowan says there
will be 18" from top of appliance -
9" from top of next step. E.S.S.

6/10/58 - Walslow
E.S.S.

Permit No. 57/456

Location 91 Leekway St.

Owner J. H. Hagan Shopping Center

Date of permit 4/15/58

Approved 6/10/57



APPLICATION FOR PERMIT

Class of Building or Type of Structure _____
Portland, Maine, Feb. 19, 1957

RECEIVED
FEB 20 1957
CITY OF PORTLAND

INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect ~~and to demolish~~ the following building ~~structures~~ in accordance with the Laws of the State of Maine, the Building Code and Zoning Ordinance of the City of Portland, plans and specifications, if any, submitted herewith and the following specifications:

Location 73-113 Auburn St. Within Fire Limits? no Dist. No. _____
Owner's name and address George C. Shaw Co., 585 Congress St. Telephone _____
Lessee's name and address _____ Telephone _____
Contractor's name and address C. Galli & Son, 53 Portland St. Telephone 2-8392
Architect _____ Specifications new Plans yes No. of sheets 13
Proposed use of building stores No. families _____
Last use _____ No. families _____
Material _____ No. stories _____ Heat _____ Style of roof _____ Roofing _____
Other buildings on same lot _____
Estimated cost \$ 107,000. Fee \$ 107.00

General Description of New Work

To construct 1-story masonry store 194' x 100' as per plans. (Front wall to be wood)

Permit Issued with Letter

Understood that this permit does not include installation of heating apparatus which is to be taken out separately by and in name of the heating contractor. **PERMIT TO BE ISSUED TO contractor**

Details of New Work

Is any plumbing involved in this work? yes Is any electrical work involved in this work? yes
Is connection to be made to public sewer? yes If not, what is proposed for sewage? _____
Has septic tank notice been sent? _____ Form notice sent? _____
Height average grade to top of plate _____ Height average grade to highest point of roof _____
Size, front _____ depth _____ No. stories _____ solid or filled lan _____ earth or rock? _____
Material of foundation _____ Thickness, top _____ bc _____ cellar _____
Material of underpinning _____ Height _____ Thickness _____
Kind of roof _____ Rise per foot _____ Roof covering _____
No. of chimneys _____ Material of chimneys _____ of lining _____ Kind of heat warm airfuel gas
Framing lumber—Kind _____ Dressed or full size? _____
Corner posts _____ Sills _____ Girt or ledger board? _____ Size _____
Girders _____ Size _____ Columns under girders _____ Size _____ Max. on centers _____
Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.
Joists and rafters: 1st floor _____, 2nd _____, 3rd _____, roof _____
On centers: 1st floor _____, 2nd _____, 3rd _____, roof _____
Maximum span: 1st floor _____, 2nd _____, 3rd _____, roof _____
If one story building with masonry walls, thickness of walls? 12" height? 14'

If a Garage

How many cars now accommodated on same lot _____ to be accommodated _____ number commercial cars to be accommodated _____
Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building? _____

Miscellaneous

Will work require disturbing of any tree on a public street? no
Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? yes

Signature of owner by: James H. Gall, Pres.

George C. Shaw Co.
C. Galli & Son

Signature of owner by:

James H. Gall, Pres.

June 6, 1957

BP 73-113 Auburn St.--Hardware for entrance doors in the new section of shopping center

Mr. Halsey Davis
Pres. Geo. C. Shaw Co.
585 Congress St.

Copy to Mr. Roger Grant
Engineering Services, Inc.
844 Stevens Ave.
C. Galli & Son
53 Portland St.

Dear Mr. Davis,

Our field inspector reports that on June 4 he found that the entrance doors of all five of the stores in the new development were in various stages of installation and that none of them was equipped with the type of locksets or latchsets stipulated by the Building Code.

Mr. Grant of Engineering Services and Eastern Glass Co., the latter I am told having supplied the doors (such modern doors usually come with the locksets already built into them) are aware of the situation and between them they have agreed to change out the hardware in some manner so that it will comply with the requirements.

This is indeed unfortunate. Like everyone else, we of this office make mistakes, but I have taken the time to go over the record in this case and I am unable to see what, besides the things we did, could have been done to forestall this situation.

When the building permit was issued, a letter of conditions was sent to contractor, engineers, and the owner in which item No. 10 read:

"Vestibule latchsets are required on all front entrance doors and on at least the working doors at all of the rear exits. It is important, therefore, that before locks are purchased for these doors or doors are hung that approval be secured from this office for the type to be used. In view of the fact that locks for the aluminum doors are installed at the factory, it is particularly important to make sure that the required type is provided."

Our field record shows that on March 6 Field Inspector Smith went over this letter, including the hardware paragraph with the contractor. Such procedure is standard in this office in an effort to make sure that things will not go wrong as any particular job is nearing completion and extra expense be caused to anyone.

It is hoped that the hardware or the entire doors may be changed out quickly and that we be notified when the defects are all corrected so that there may not be delay in issuing the certificate of occupancy, which is required to be in your possession before any of the stores are occupied for business.

Very truly yours,

Warren McDonald
Inspector of Buildings

WHCJ/B

AB

March 7, 1957

47 73-115 Auburn Street

Engineering Services, Inc.
Attn. Mr. Roger E. Grant
801 Station A, Wm

Copy for George G. Swan Co.
Attn. Mr. H. Hulsey Davis
585 Congress Street
S. Gall & Son
53 Portland Street

Gentlemen:-

We understand that, in order to make it possible to classify the building under construction at the above location as Second Class rather than Third Class Construction, and thus gain allowance for a greater area for the building, you are contemplating changing the wooden construction above snow windows in front and side walls of building to 8-inch concrete block. The detail showing section through the front wall of building which you have submitted appears to be satisfactory as long as the masonry extends at least to the top of the roof decking. In order to avoid the necessity of fireproofing the steel beams supporting the new masonry wall, it may be necessary to raise the top of the snow windows slightly so as to keep the height of the masonry to four feet. If you decide to go ahead on this basis, it is necessary that the contractor apply for an amendment to the permit already issued and to file therewith a plan showing details of the new construction.

It also seems best to bring up at this time another matter relating to the coverage of the sprinkler system to be installed throughout the building. It is our understanding that the entire roof construction including the ceiling material, strapping etc. is to be entirely of incombustible material. On this basis no question arises as to need for installation of sprinkler heads in the space between the ceiling and roof decking, but will arise if there is to be any combustible material within or abutting this space. However, it will be necessary to install heads in the concealed spaces above the ceiling of the snow windows. It may also be necessary to provide cut-offs or fire-stops between these spaces and the large open spaces between ceiling and roof decking should the insurance rating bureau which must approve the sprinkler plans deem it necessary.

Very truly yours,

Albert J. Sears
Deputy Inspector of Buildings

as/ra

DETLEND, MAINE

7508.0

WFA 2-24-77

PLANMARK
ENGINEERING & ARCHITECTURE
P. O. BOX 1243
MINNEAPOLIS, MN 55420

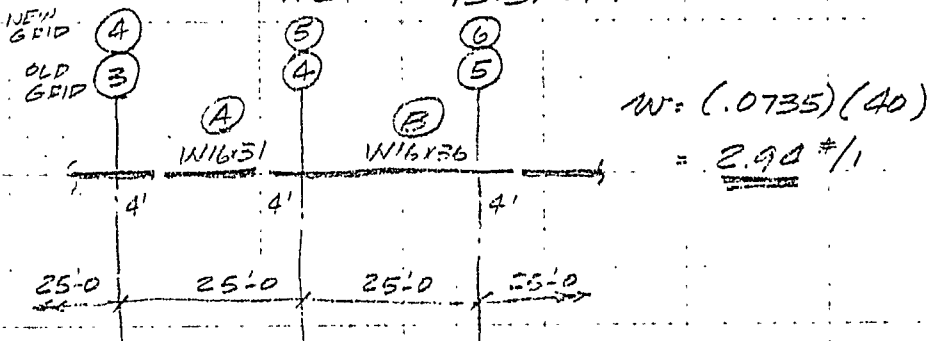
2/

TOTAL BEAM DESIGN LOAD

JOIST T.L. = 71.5 PSF

STRU. STEEL = 2 PSF

T.L. = 73.5 PSF



BEAM 'A'

$M = 1/8 (2.94) (17)^2 = 106.2'k$

$S_x = 53.1 in^3$

$R_L = R_R = \frac{(2.94)(17)}{2} = 25kips$

W16x31 CAPACITY $M_R = 94'k$
 $S_x = 47.2 in^3$

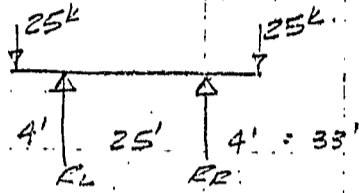
DIETZEN CORPORATION
MADE IN U.S.A.

NO. 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

PORTLAND, MAINE
7508.0
VFA 2-24-77

PLANMARK
ENGINEERING & ARCHITECTURE
P. O. BOX 1243
MINNEAPOLIS, MN 55440

BEAM 'B'



$$-M_R = -M_L = (25)(4) + \frac{(2.94)(4)^2}{2} = 123.5$$

$$+M = \frac{1}{8}(2.94)(25)^2 - \frac{(123.5 + 123.5)}{2} = 106.2$$

COLUMN LOADS.

$$R_L = \frac{[(2.94)(25) - (4)(25) + (2.94)(33)(12.5)]}{25}$$

$$R_L = 73.5 \text{ kips}$$

$$R_R = (2.94)(33) + 25 + 25 - 73.5 = 73.5 \text{ kips}$$

$$M_R = 123.5 \text{ k.}$$

$$S_x = 4.8 \text{ in}^3.$$

W16 x 36

$$M_R = 113 \text{ k.}$$

$$S_x = 56.5 \text{ in}^3.$$

DIEZEL'S INFORMATION
MADE IN U.S.A.

MFG. 1774 8410 DIEZEL'S INFORMATION
MADE IN U.S.A.

PORTLAND, MAINE
7508.0 WA 2-24-77

4)

(GIVEN BLDG INSPECTORS)
L.L. = 72#/ft

PLANMARK
ENGINEERING & ARCHITECTURE
P. O. BOX 1243
MINNEAPOLIS, MN 55440

DESIGN: (JOIST.)

GIVEN: 72#/ft LIVE LOAD
22#/ft DL. INCLUDING NEW CLG.
94#/ft TL. JOIST.
40' SPAN.
4'-2" SPACING

$$(94)(0.1667) = 392 \text{ lb/ft} \quad \text{DL: } 72 / 0.1667 = 300 \text{ lb/ft}$$

FROM SJI TABLES.

40'	20H11	410/247
	26H11	415/292
	28H10	385/299
	28H11	420/362

BEAM DESIGN

$$\text{TOTAL LOAD} = 94 \text{ lb/ft}$$
$$\text{SPACING} = \frac{2}{4}$$
$$96 \text{ lb/ft}$$

$$100 \text{ (0.096)(40)} = 3.84 \text{ ft}$$

BEAM A

$$M = \frac{1}{2} (3.84)(96) = 1387 \text{ ft-lb}$$

$$S = 32 \text{ in}^3$$

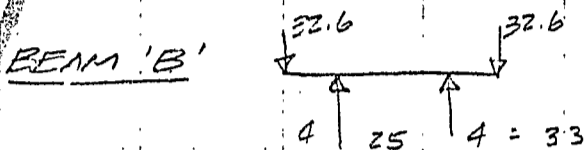
$$S \cdot E_c = \frac{1387 \text{ ft-lb}}{2} = 32675 \text{ in-lb}$$

M = 1387	M = 1387
S = 32	S = 32
S · E _c = 32675	S · E _c = 32675

STLAND, MAINE
7508.0
W-A 2-24-77

5/

PLANMARK
ENGINEERING & ARCHITECTURE
P. O. BOX 1243
MINNEAPOLIS, MN 55440



$$-M_L = -M_R = \frac{(4)(32.6) + (3.84)(4)^2}{2} = 161.1 \text{ 'k.}$$

$$+M = \frac{1}{8}(3.84)(25)^2 - \frac{(161.1 + 161.1)}{2} = 138.9 \text{ 'k.}$$

$$R_L = \left[(29)(32.6) - 4(32.6) + (3.84)(33)(12.5) \right] \div 25 = 95.96 \text{ k.}$$

$$R_R = (3.84)(33) + 32.6 + 32.6 - 95.96 = 95.96$$

$$M_R = 161.1$$
$$S_x = 84.55$$

W 21 x 44

$M_R = 163$
$S_x = 81.6$

PORTLAND, MAINE

7508.0
WFA - 2-24-77

CHECK ON MAX LOADING FOR BMS

BEAM A SIMPLE SPAN.

W16x31 $M_R = 94'k$.

$$94 = \frac{w(17)^2}{8}$$

$$w = \frac{(8)(94)}{(17)^2} = 2.60 \#/l$$

$$2.60 = (T.L.)(40)$$

$$T.L. = \frac{2.60}{40} = 0.065 \text{ OR } 65 \#/\phi$$

$$R_L = R_R = \frac{(2.6)(17)}{2} = 22.1$$

BEAM B

$M_R = 113'k$.

$$-M = (22.1)(4) + \frac{w(4)^2}{2} = 113$$

$$\frac{w(4)^2}{2} = 113 - (22.1)(4)$$

$$w = \frac{1}{8} \sqrt{\frac{88.4}{16}} [113 - (22.1)(4)] = 3.08$$

$$T.L. = \frac{3.08}{40} = .0768 \text{ OR } 76 \#/\phi$$

JSTS w/ 65#/\phi

	$\frac{-2}{63}$	$\times 4.1667 = 262.5$	PLF.	1
	$\frac{-22}{40}$	$\times 4.1667 = 167$	PLF.	
	$\frac{4}{41}$	$\times 4.1667 = 171$	PLF.	

24H8 298/174

$$C 76 \#/\phi \cdot 2 \cdot 74 \times 4.1667 = 308 \text{ PLF. } > 298$$

$$\frac{22}{52} \times 4.1667 = 216 \quad 7174$$

PLANMARK
ENGINEERING & ARCHITECTURE
P. O. BOX 1243
MINNEAPOLIS, MN 55440

PORTLAND, MAINE
 # 7508.0.
 WFA
 2-24-77

PLANMARK
 ENGINEERING & ARCHITECTURE
 P. O. BOX 1243
 MINNEAPOLIS, MN 55440

SUMMARY

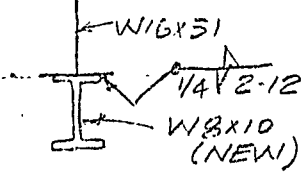
	CODE REQUIREMENTS			ACTUAL CAPACITIES		
	D.L. (PSE)	L.L. (PSE)	T.L. (PSE)	D.L. (PSE)	L.L. (PSE)	T.L. (PSE)
JOISTS	22	40	62	25.2	46.3	71.5
W16x31	24	40	64	24	41	65
W16x36	24	40	64	24	52	76

(15 7/8 x 15 1/2)

W16 x 31 IS THE WEAKEST COMPONENT.

ITS CAPACITY CAN BE INCREASED BY FIELD WELDING A ROLLED SECTION TO THE BOTTOM FLANGE, (NOT CONTINUOUS WELDING) TO THE MIDDLE 2/3 OF THE BEAM.

USE W8x10 OR ANY LIGHT SECTION.



MAX LOADS T.L. = 71.5 OR 71.5
 D.L. = 25.2 22.0
 L.L. = 46.3 49.5 $\Delta > \frac{l}{240}$

$$\Delta = \frac{l}{240} = \frac{40}{240} = .1667 = \underline{\underline{2''}}$$

DIETZEN CORPORATION MADE IN U.S.A.
 NO. 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

February 9, 1977

Langford & Low
PO Box 662
Portland, Maine

Re: 73 Auburn Street

Gentlemen:

An inspection of the premises at 73 Auburn St. revealed that a great amount of dead load was being added to the bar joists and we would like conformation from the engineer corroborating the fact that said bar joist will support the added dead load of studding, wallboard and wood, plus a fifty pound live load.

We would appreciate receiving this information as soon as possible because this will be a part of the permanent record of the work now being done.

Very truly yours,

Earle S. Smith
Plan Examiner

ESS:k

73 Auburn St.

November 12, 1976

Langford & Low
PO Box 662
Portland, Maine

C.C. Shaw's Supermarket
73 Auburn St.
C.C. Planmark Engineering
121 Washington Ave.
So. Hopkins, Minn. 55343

Gentlemen:

This office finds itself unable to issue a permit for the above alterations because there are insufficient means of egress from the main store area.

This office classifies the use as Mercantile in table 607 of the BOCA Basic Building Code and calls for 150' maximum for length of exitway exit travel.

When the plan has been modified to meet these requirements, this office will then be in a position to continue processing the permit application.

Very truly yours,

Earle S. Smith
Plan Examiner

ESS:k

73 Auburn St.

November 19, 1976

Langford & Low
P.O. Box 662
Portland, Maine

c.c. Shaw's Supermarket
73 Auburn St.
c.c. Planmark Engineering
121 Washington Ave.
So. Hopkins, Minn. 55343

Gentlemen:

Permit is issued herewith to change use of the above store from department to grocery.

The building permit is being issued pending receipt of the revised plans from Planmark Engineering showing revised exiting situation complying with table 607 of the B.O.C.A. Basic Building Code.

Very truly yours,

Earle S. Smith
Plan Examiner

ESS:k

P.S. Exit lights are required over all doors involved in means of egress.
Anti-panic bars are required on all exit or egress doors.

73 Auburn St.

November 12, 1976

Langford & Low
PO Box 662
Portland, Maine

c.c. Shaw's Supermarket
73 Auburn St.
c.c. Planmark Engineering
121 Washington Ave.
So. Hopkins, Minn. 55343

Gentlemen:

This office finds itself unable to issue a permit for the above alterations because there are insufficient means of egress from the main store area.

This office classifies the use as Mercantile in table 607 of the BOCA Basic Building Code and calls for 150' maximum for length of exitway exit travel.

When the plan has been modified to meet these requirements, this office will then be in a position to continue processing the permit application.

Very truly yours,

Earle S. Smith
Plan Examiner

ESS:k

McQUAY GROUP

McQUAY-PERFEX INC.
13600 Industrial Park Blvd.
P.O. Box 1551
Minneapolis, MN 55440

CERTIFIED PERFORMANCE DATA

ROOFPACK SINGLE ZONE HEATING & COOLING UNITS

SOLD TO:

McQUAY ORDER NO. _____ DATE 11-24-76
DR 7J

CUST. P.O. _____

REP. P.O. W.D. GRIFFIN CO.

REV. NO. 10 COPIES BY _____ DATE _____ FOR APPR'L _____ FOR RECORD _____ WAS _____

JOB: SHAW'S MARKET
NORTHGATE PLAZA
CONSULTING ENGINEER.

SCHEDULE FOR CERTIFIED DIMENSIONS		
TYPE	UNIT SIZE	DWG. NO.
RPS	036B & 040B	321953Y
	041B - 070B	315745Y
RFS	071B - 100B	327079Y
	036B & 040B	321956Y
	041B - 070B	315743Y
RCS	071B - 100B	327077Y
	036B & 040B	321952Y
	041B - 070B	315746Y
RHS	071B - 100B	327080Y
	802B	321955Y
	804B	315744Y
RWS	806B, 808B	327078Y
	802B	321954Y
	804B	315747Y
	806B, 808B	327081Y

TAG	McQUAY ITEM#	MODEL NUMBER	QTY.	ELECTRICAL CHARACTERISTICS V-Hz-P	KW INPUT(1)	SUPPLY AIR FAN			
						CFM	ESP	RPM	HP
	010	RPS-071BA	1	460-60-3	82.1	32000	1.25	680	40
							ESP = 1.25		
							5 ROW - WBT = 1.08		
							2" TA = .10		
							640 MBH = .45		
							10 FPI - 6 ROW = 1.60		
							ESP = 4.48		

NOTES

RECEIVED
APR 21 1977
DEPT. OF BLDG. INSP.
CITY OF PORTLAND

McQUAY ITEM#	AMB. AIR	COOLING DATA						HEATING DATA						RETURN AIR FAN							
		TOT. HT. MBH	SENS. HT. MBH	EDB	EWB	RWS			TYPE	CAPACITY (2)	EDB	LDB	STEAM PSIG	WATER HEATING			CFM	RET. DUCT SP	RPM	HP	
						EWT	GPM	WPD						EWT	GPM	WPD					
010	95	584	663	71	61	5	ROW	EVAP	GAS	640		2	STG				NONE				
		600																			

NOTES: 1. KW input is for compressors only.
2. Capacity is MBH output for gas, steam and water heat. Capacity is KW input for electric heat.

REV. 9-75

FORM NO 366031A-6

73-79 Auburn St.

Carvel Company
365 Park Avenue
Portland ME

cc: Shaw's Super Market
73-79 Auburn St; Portland
Carvel Co., Attn: Consulting
Structural Engineer

Gentlemen

Until we have assurances from the design engineer confirming that the added weight of the roof-top ventilating unit and cooling system will not impair the structural integrity of the roof system, this office will be unable to issue the permit.

Very truly yours

Earle S. Smith
Plan Examiner

ESS:cm

1/4/25/77 -
Talked with
Architect Eng. &
he said Comp
was forth coming
E S



APPLICATION FOR PERMIT
 DEPARTMENT OF BUILDING INSPECTIONS SERVICES
 ELECTRICAL INSTALLATIONS

Date 5-1 , 1981
 Receipt and Permit number A67118

To the CHIEF ELECTRICAL INSPECTOR, Portland, Maine:

The undersigned hereby applies for a permit to make electrical installations in accordance with the laws of
 Maine, the Portland Electrical Ordinance, the National Electrical Code and the following specifications:

LOCATION OF WORK: 91 Auburn St.
 OWNER'S NAME: Shaw's Realty Co. ADDRESS: P.O. Box 3564

OUTLETS:	Receptacles	Switches	Plugmold	ft. TOTAL	_____	FEES
FIXTURES: (number of)	Incandescent	Flourescent	(not strip)	TOTAL	_____	
	Strip Flourescent	_____	ft.	_____	_____	
SERVICES:	Overhead	<input checked="" type="checkbox"/>	Underground	<input checked="" type="checkbox"/>	Temporary	_____
METERS: (number of)	_____	_____	_____	TOTAL amperes	<u>30</u>	<u>3.00</u>
MOTORS: (number of)	_____	_____	_____	_____	_____	<u>.50</u>
	Fractional	_____	_____	_____	_____	_____
	1 HP or over	_____	_____	_____	_____	_____
RESIDENTIAL HEATING:	Oil or Gas (number of units)	_____	_____	_____	_____	_____
	Electric (number of rooms)	_____	_____	_____	_____	_____
COMMERCIAL OR INDUSTRIAL HEATING:	Oil or Gas (by a main boiler)	_____	_____	_____	_____	_____
	Oil or Gas (by separate units)	_____	_____	_____	_____	_____
	Electric Under 20 kws	_____	Over 20 kws	_____	_____	_____
APPLIANCES: (number of)	Ranges	_____	Water Heaters	_____	_____	_____
	Cook Tops	_____	Disposals	_____	_____	_____
	Wall Ovens	_____	Dishwashers	_____	_____	_____
	Dryers	_____	Compactors	_____	_____	_____
	Fans	_____	Others (denote)	_____	_____	_____
	TOTAL	_____	_____	_____	_____	_____
MISCELLANEOUS: (number of)	Branch Panels	_____	_____	_____	_____	_____
	Transformers	_____	_____	_____	_____	_____
	Air Conditioners Central Unit	_____	_____	_____	_____	_____
	Separate Units (windows)	_____	_____	_____	_____	_____
	Signs 20 sq. ft. and under	_____	_____	_____	_____	_____
	Over 20 sq. ft.	_____	_____	_____	_____	_____
	Swimming Pools Above Ground	_____	_____	_____	_____	_____
	In Ground	_____	_____	_____	_____	_____
	Fire/Burglar Alarms Residential	_____	_____	_____	_____	_____
	Commercial	_____	_____	_____	_____	_____
	Heavy Duty Outlets, 220 Volt (such as welders) 30 amps and under	_____	_____	_____	_____	_____
	over 30 amps	_____	_____	_____	_____	_____
	Circus, Fairs, etc.	_____	_____	_____	_____	_____
	Alterations to wires	_____	_____	_____	_____	_____
	Repairs after fire	_____	_____	_____	_____	_____
	Emergency Lights, battery	_____	_____	_____	_____	_____
	Emergency Generators	_____	_____	_____	_____	_____
FOR ADDITIONAL WORK NOT ON ORIGINAL PERMIT	INSTALLATION FEE DUE:	_____	_____	_____	_____	_____
FOR REMOVAL OF A "STOP ORDER" (304-16.b)	DOUBLE FEE DUE:	_____	_____	_____	_____	_____
	TOTAL AMOUNT DUE:	_____	_____	_____	_____	<u>3.50</u>

INSPECTION:
 Will be ready on 5-1-81 , 1981 ; or Will Call _____
 CONTRACTOR'S NAME: Bailey & Pickrell
 ADDRESS: 11 Allen Ave. Ext., Portland, Me.
 TEL: 797-8633
 MASTER LICENSE NO.: 3312 SIGNATURE OF CONTRACTOR: _____
 LIMITED LICENSE NO.: _____ *William Pickrell*

INSPECTOR'S COPY — WHITE
 OFFICE COPY — CANARY
 CONTRACTOR'S COPY — GREEN

A.P.

CERTIFICATE OF APPROVAL

FOR INTERNAL PLUMBING FOR THE TOWN/CITY OF Portland

TOWN/CITY CODE: 05170 LPI NUMBER: 1123 DATE ISSUED: 16 9 79 No: **31314-1C**

Installer's Name: REUBEN F.I. M.I.: P Installer Code: 2

Owner: [Signature] Address: 73-113 Location where plumbing was done and inspected: _____

1. Owner
2. Licensed Master Plumber
3. Licensed Oil Burnerman
4. Employees of Public Utilities
5. Manufactured Housing Dealer
6. Manufactured Housing Mechanic

THE INTERNAL PLUMBING INSTALLED PURSUANT TO THE ABOVE CERTIFICATE OF APPROVAL NUMBER HAS BEEN TESTED IN MY PRESENCE, FOUND TO BE FREE FROM LEAKS, AND WAS INSTALLED IN COMPLIANCE WITH THE MUNICIPAL AND STATE PLUMBING REGULATIONS.

STATE OFFICE USE ONLY

Control Number: _____

Signature of LPI: _____ Date Inspected: **JUL 12 1979**

ORIGINAL—To be sent to: Department of Human Services, Division of Health Engineering, Augusta, Maine 04333

INTERNAL PLUMBING PERMIT FOR THE TOWN/CITY OF Portland

Town/City Code: 05170 LPI Number: 1123 Date Issued: 16 9 79 License Number: _____ No: **31314-1P**

Address of Where Plumbing Is Done: 73-113 St./Lot Number: _____ Street, Road Name/Subdivision: LAUDBORN STREET St., Rd., Av., Lot: _____

Name of Owner: SHAMUS Last Name: _____ F.I. M.I.: _____ Mailing Address: _____ Zip Code: _____

Type of Construction	1. New 2. Remodelling	3. Addition 4. Remodelling & Addition	5. Replacement of Hot Water Heater 6. Hook-up of Mobile Home	7. Hook-up of Modular Home 8. Other (Specify)	<input checked="" type="checkbox"/> 7	
Plumbing To Serve	1. Single (Res) 2. Multi-Fam (Res)	3. Mobile Home 4. Modular Home	5. Commercial 6. School	7. Other (Specify)	<input checked="" type="checkbox"/> 5	
Number of Fixtures or Hook-Ups	Sinks <input type="checkbox"/>	Toilets <input checked="" type="checkbox"/>	Bathtubs <input type="checkbox"/>	Lavatories <input checked="" type="checkbox"/>	Showers <input type="checkbox"/>	Urinals <input type="checkbox"/>
	Clothes Washers <input type="checkbox"/>	Dish Washers <input type="checkbox"/>	Hot Water Heater <input checked="" type="checkbox"/>	Floor Drains <input type="checkbox"/>	Hook-Ups <input type="checkbox"/>	<input type="checkbox"/>

This "Internal Plumbing Permit" is invalid if work is not commenced within six(6) months from date of issuance. Upon completion of work a "Certificate of Approval" must be obtained from the LPI.

STATE OFFICE USE ONLY

Control Number: _____

Administrative Code: _____

SCHEDULE OF "FEES" (See section 1.12 of the Part I Code)

1-10 Fixtures \$2.00 each
11-20 Fixtures \$3.00 each
21 Fixtures on up \$4.50 each
Hook-Ups \$2.00 each

NOTE: Hot water Heater (Tank or Tankless) is a Fixture!

Fixtue Fee: 6.00
Administrative Fee: 3.00
Total Fee: 9.00

Signature of LPI: _____ Date: **JUN 27 1979**

Fee Check Box

HHE-211 Rev. 7/78

CERTIFICATE OF APPROVAL

FOR INTERNAL PLUMBING FOR THE TOWN/CITY OF Buxton

OWNER Shaw's

ADDRESS 73-113

Location where plumbing was done and inspected, MAINE

Plumbing installed by Shaw's

App. Number
No 13260 IC

Date C.O.A. Issued
AUG 20 1978
Month Day Year

Date Inspected
AUG 17 1978
Month Day Year

Date Permit Issued
8-16-78

THE INTERNAL PLUMBING INSTALLED PURSUANT TO THE ABOVE CERTIFICATE OF APPROVAL NUMBER HAS BEEN TESTED IN MY PRESENCE, FOUND TO BE FREE FROM LEAKS, AND WAS INSTALLED IN COMPLIANCE WITH THE MUNICIPAL AND STATE PLUMBING REGULATIONS.

Signature of LPI

State Office Use Only
Date Received

AUG 18 1978

ORIGINAL—To be sent to: Department of Human Services
Division of Health Engineering 221 State Street Augusta, Maine 04333

INTERNAL PLUMBING PERMIT

FOR THE TOWN/CITY OF Buxton

Town/City Code 051170

LPI Number 1123

License Number 1022

Date Issued

PERMIT NUMBER
No 13260 IP

Address of Where Plumbing is done

73-113

SI/Lot Number

AVVUKA STREET

Name of Owner

SHAW'S

Last Name

St. Rd. Av/Lot

Mailing Address

- 1. Owner
- 2. Licensed Master Plumber
- 3. Licensed Oil Burnerman
- 4. Employees of Public Utilities

Code Issued To

Type of Construction

- 1. New
- 2. Remodeling
- 3. Addition
- 4. Remodeling & Addition
- 5. Replacement of Hot Water Heater
- 6. Hook-up of Mobile Home
- 7. Minor Change
- 8. Other (Specify)

Plumbing to Serve

- 1. Single (Res)
- 2. Multi-Fam (Res)
- 3. Mobile Home
- 4. Mobile Home without Seal
- 5. Commercial
- 6. School
- 7. Other (Specify)

SCHEDULE OF "FEES"
(See Sect. 1.12 of the Part I Code)

- 1-10 Fixtures \$2.00 each
- 11-20 Fixtures \$1.00 each
- 21 Fixtures on up \$.50 each
- Hook-ups \$2.00 each

Note: Hotwater Heater (tank or tankless) is considered a fixture!

Fixture	#	Fixture	#	Fixture	#
Sinks		Showers		Hot Water Heaters	1
Toilets	2	Urinals		Floor Drains	
Bathlubs		Clothes Washers		Other	
Lavatories	2	Dish-Washers		Hook-ups	

Quantity Fee
Fixtures 5 10.00
Hook-ups

Administrative fee 3.00

Total or Double Fee 13.00

If Double Fee Check (✓) Box

STATE OFFICE USE ONLY

Date Received

Receipt Number

Money Received

Administrative Code

Signature of LPI

This "Internal Plumbing Permit" is invalid if work is not commenced within six(6) months from date of issuance. Upon completion of work a "Certificate of Approval" must be obtained.
Original—To be sent to: Department of Human Services, Division of Health Engineering 221 State Street, Augusta, Maine 04333

HHE-211 Rev. 677

ORIGINAL—To be sent to: Department of Human Services, Division of Health Engineering, Augusta, Maine 04333
DATE ISSUED
JUL 12 1979
Signature of LPI



APPLICATION FOR PERMIT

PERMIT ISSUED

B.O.C.A. USE GROUP

B.O.C.A. TYPE OF CONSTRUCTION 310

APR 23 1981

ZONING LOCATION B-1 PORTLAND, MAINE, April 22, 1981

CITY OF PORTLAND

To the DIRECTOR OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE
The undersigned hereby applies for a permit to erect, alter, repair, demolish, move or install the following building, structure, equipment or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning Ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

LOCATION 91 Auburn Street - Shaws Supermarkets
1. Owner's name and address ... Shaws Realty - Me. Mall Plaza ... Telephone 773-0211
2. Lessee's name and address ... Telephone ...
3. Contractor's name and address Bailey Signs - Thompsons Point Telephone 774-2843
4. Architect ... Specifications ... Plans 04104 No. of sheets ...
Proposed use of building supermarket No. families ...
Last use ... No. families ...
Material ... No. stories ... Heat ... Style of roof ... Roofing ...
Other buildings on same lot ...
Estimated contractual cost \$... Fee \$ 11.50

FIELD INSPECTOR-Mr. ... GENERAL DESCRIPTION

This application is for: @ 775-5451
Dwelling ... Ext. 234
Garage ...
Masonry Bldg. ...
Metal Bldg. ...
Alterations ...
Demolitions ...
Change of Use ...
Other ...

To erect pole sign, 3' x 5' as per plans. 1 sheet of plans, replacing existing sign same size. Stamp of Special Conditions

NOTE TO APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical and mechanicals.

PERMIT IS TO BE ISSUED TO 1 2 3x 4
Other:

DETAILS OF NEW WORK

Is any plumbing involved in this work? Is any electrical work involved in this work?
Is connection to be made to public sewer? If not, what is proposed for sewage?
Has septic tank notice been sent? Form notice sent?
Height average grade to top of plate Height average grade to highest point of roof
Size, front depth No. stories solid or filled land? earth or rock?
Material of foundation Thickness, top bottom cellar
Kind of roof Rise per foot Roof covering
No. of chimneys Material of chimneys of lining Kind of heat fuel
Framing Lumber-Kind Dressed or full size? Corner posts Sills
Size Girder Columns under girders Size Max. on centers
Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.
Joists and rafters: 1st floor 2nd 3rd roof
On centers: 1st floor 2nd 3rd roof
Maximum span: 1st floor 2nd 3rd roof
If one story building with masonry walls, thickness of walls? height?

IF A GARAGE

No. cars now accommodated on same lot ... to be accommodated ... number commercial cars to be accommodated ...
Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building?

APPROVALS BY: DATE
BUILDING INSPECTION-PLAN EXAMINER
ZONING: A.K. M.G.W. 4/22/81
BUILDING CODE:
Fire Dept.:
Health Dept.:
Others:

MISCELLANEOUS
Will work require disturbing of any tree on a public street? ..
Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed?

Signature of Applicant Ralph Hutchinson Phone # ... sand ...
Type Name of above Bailey Signs

Ralph Hutchinson 1 2 3x 4
Other ...
and Address

FIELD INSPECTOR'S COPY

IA

CERTIFICATE OF APPROVAL

FOR INTERNAL PLUMBING FOR THE TOWN/CITY OF Portland

OWNER Shaw's
 ADDRESS 73-113 Custom St, MAINE
 Location where plumbing was done and inspected
 Plumbing Installed by J. Quinn

Cert. of App. Number
Nº 13260 IC

Date C.O.A. Issued
AUG 20 1978
 Month Day Year

Date Inspected
AUG 17 1978
 Month Day Year

8-16-78
 Date Permit Issued

THE INTERNAL PLUMBING INSTALLED PURSUANT TO THE ABOVE CERTIFICATE OF APPROVAL NUMBER HAS BEEN TESTED IN MY PRESENCE, FOUND TO BE FREE FROM LEAKS, AND WAS INSTALLED IN COMPLIANCE WITH THE MUNICIPAL AND STATE PLUMBING REGULATIONS.

Signature of LPI _____

AUG 18 1978

State Office Use Only
 Date Received

ORIGINAL—To be sent to: Department of Human Services
 Division of Health Engineering 221 State Street Augusta, Maine 04333

INTERNAL PLUMBING PERMIT FOR THE TOWN/CITY OF Portland

Town/City Code 051170 LPI Number 1123 License Number 11022 Date Issued _____ PERMIT NUMBER **Nº 13260 IP**
 Address of where plumbing is done 73-113
 St/Lot Number _____ Street, Road Name/Subdivision AVENUE STREETS St. Rd. Av/Lot _____
 Name of Owner SHAW'S Last Name _____ F.I. _____ M.I. _____ Mailing Address _____ Zip Code _____
 1. Owner
 2. Licensed Master Plumber
 3. Licensed Oil Burnerman
 4. Employees of Public Utilities
 Issued To 2

Type of Construction
 1. New
 2. Remodeling
 3. Addition
 4. Remodeling & Addition
 5. Replacement of Hot Water Heater
 6. Hook-up of Mobile Home
 7. Minor Change
 8. Other (Specify) _____ **AUG 18 1978**
 Plumbing to Serve
 1. Single (Res)
 2. Multi-Fam (Res)
 3. Mobile Home
 4. Mobile Home without Saa
 5. Commercial
 6. School
 7. Other (Specify) _____ **6**

SCHEDULE OF "FEES" (See Sect. 1.12 of the Part I Code)				Quantity	Fee
1-10 Fixtures	\$2.00 each	Sinks		5	10.00
11-20 Fixtures	\$1.00 each	Showers			
21 Fixtures on up	\$.50 each	Toilets	2		
Hook-ups	\$2.00 each	Urinals			
Note: Hotwater Heater (tank or tankless) is considered a fixture!		Bathtubs			
		Clothes Washers			
		Dish-Washers	2		
		Other			
		Hook-ups			
STATE OFFICE USE ONLY	Date Received	Receipt Number	Money Received	Administrative fee 300	
				Total or Double Fee 113.00	
				If Double Fee Check (✓) Box <input type="checkbox"/>	
				Signature of LPI _____	

This "Internal Plumbing Permit" is invalid if work is not commenced within six(6) months from date of issuance. Upon completion of work a "Certificate of Approval" must be obtained.
 Original—To be sent to: Department of Human Services, Division of Health Engineering 221 State Street, Augusta, Maine 04333
 HHE-211 Rev. 677



APPLICATION FOR PERMIT

PERMIT ISSUED

B.O.C.A. USE GROUP B.O.C.A. TYPE OF CONSTRUCTION 0161

MAR 16 1978

ZONING LOCATION PORTLAND, MAINE, March 14, 1978

CITY of PORTLAND

To the DIRECTOR OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect, alter, repair, demolish, move or install the following building, structure, equipment or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning Ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

LOCATION 91 Auburn St. Fire District #1 [] #2 []
1. Owner's name and address Shaws Supermarket - Mall Plaza So. Portland Telephone 773-0211
2. Lessee's name and address Telephone
3. Contractor's name and address R. W. Sewall - Box 806 Oak Hill Plaza Telephone 883-3472
4. Architect Specifications Plans No. of sheets
Proposed use of building small retail stores No. families
Last use grocery supermarket No. families
Material No. stories Heat Style of roof Roofing
Other buildings on same lot
Estimated contractual cost \$ Fee \$ 20.00

FIELD INSPECTOR-Mr. GENERAL DESCRIPTION

This application is for: @ 775-5451
To install 55 ton, air and conditioning - heat pump as per plans. 1 sheet of plans. to serve 1 story only Stamp of Special Conditions
Dwelling Fxt. 234
Garage
Masonry Bldg.
Metal Bldg.
Alterations
Demolitions
Change of Use
Other air conditioner

NOTE TO APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical and mechanicals.

PERMIT IS TO BE ISSUED TO 1 [] 2 [] 3 [x] 4 []
Other:

DETAILS OF NEW WORK

Is any plumbing involved in this work? Is any electrical work involved in this work?
Is connection to be made to public sewer? If not, what is proposed for sewage?
Has septic tank notice been sent? Form notice sent?
Height average grade to top of plate Height average grade to highest point of roof
Size, front depth No. stories solid or filled land? earth or rock?
Material of foundation Thickness, top bottom cellar
Kind of roof Rise per foot Roof covering
No. of chimneys Material of chimneys of lining Kind of heat fuel
Framing Lumber-Kind Dressed or full size? Corner posts Sills
Size Girder Columns under girders Size Max. over centers
Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.
Joists and rafters: 1st floor, 2nd, 3rd, roof
On centers: 1st floor, 2nd, 3rd, roof
Maximum span: 1st floor, 2nd, 3rd, roof
If one story building with masonry walls, thickness of walls? height?

IF A GARAGE

No. cars now accommodated on same lot, to be accommodated number commercial cars to be accommodated
Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building?

APPROVALS BY: DATE MISCELLANEOUS
BUILDING INSPECTION-PLAN EXAMINER Will work require disturbing of any tree on a public street?
ZONING:
BUILDING CODE: 0161 M.C.C. 3/16/78 Will there be in charge of the above work a person competent
Fire Dept.: to see that the State and City requirements pertaining thereto
Health Dept.: are observed?
Others:

Signature of Applicant Robert J. Sewall Phone # same
Type Name of above A. W. Sewall 1 [] 2 [] 3 [x] 4 []

FIELD INSPECTOR'S COPY

Other and Address

NOTES

Permit No. 98/0161
 Location 91 Columbia St.
 Owner J. H. ...
 Date of permit 3-11-78
 Approved 3-16-78



Mar 26/78 Started.

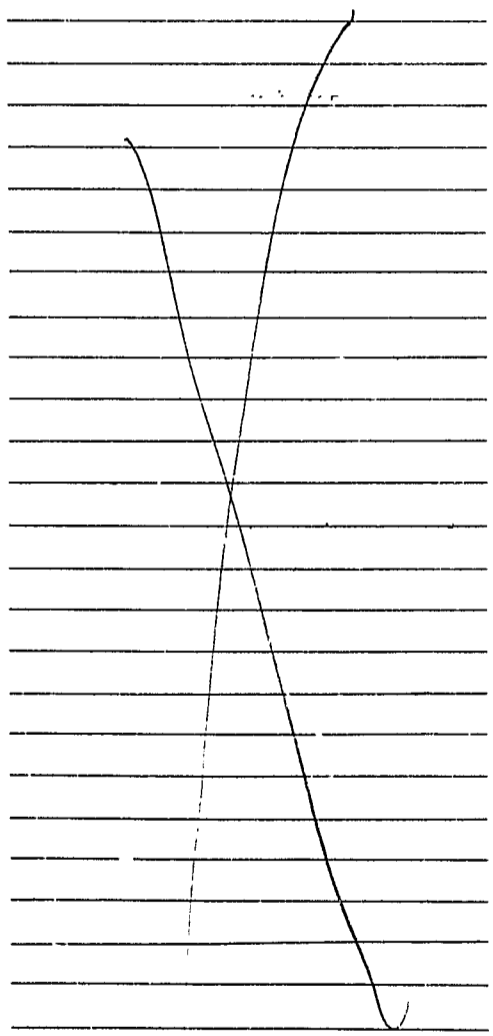
Mar 28/78 Air conditioning unit placed - working on the duct work.

April 12/78 Work continuing as per plan.

May 1/78 Unit on location of placed, not operating.

May 10/78 All duct work of unit in operation.

June 14/78 Ok.





APPLICATION FOR PERMIT
 DEPARTMENT OF BUILDING INSPECTIONS SERVICES
 ELECTRICAL INSTALLATIONS

Date 3-23, 19 78
 Receipt and Permit number A10510

To the CHIEF ELECTRICAL INSPECTOR, Portland, Maine:
 The undersigned hereby applies for a permit to make electrical installations in accordance with the laws of Maine, the Portland Electrical Ordinance, the National Electrical Code and the following specifications:

LOCATION OF WORK: 73-113 Auburn Street (Old Shaw's bldg.)

OWNER'S NAME: Shaw's Realty ADDRESS: So. Portland, Me.

OUTLETS (number of) 1-30

Lights	_____	
Receptacles	_____	
Switches	_____	FEES
Plugmold	_____ (number of feet)	
TOTAL	_____	<u>3.00</u>

FIXTURES (number of)

Incandescent	_____	
Fluorescent	<u>6</u> (Do not include strip fluorescent)	
TOTAL	_____	<u>3.00</u>
Fluorescent, in feet	_____	

BRANCHES

Permanent, total amperes	<u>200 - 2-100 amp.</u>	<u>3.00</u>
Temporary	_____	

DEVICES (number of) 2 1.00

MOTORS (number of)

Fractional	_____	
1/2 HP or over	_____	

RESIDENTIAL HEATING:

Oil or Gas (number of units)	_____	
Electric (number of rooms)	_____	

COMMERCIAL OR INDUSTRIAL HEATING:

Oil or Gas (by a main boiler)	_____	
Oil or Gas (by separate units)	_____	
Electric (total number of kws)	<u>20</u>	<u>5.00</u>

APPLIANCES: (number of)

Ranges	_____	Water Heaters	_____
Cook Tops	_____	Disposals	_____
Wall Ovens	_____	Dishwashers	_____
Dryers	_____	Compactors	_____
Fans	_____	Others (denote)	_____
TOTAL	_____		

MISCELLANEOUS: (number of)

Branch Panels	_____	
Transformers	_____	
Air Conditioners	_____	
Signs	_____	
Fire/Burglar Alarms	_____	
Circus, Fairs, etc.	_____	
Alterations to wires	_____	
Repairs after fire	_____	
Heavy Duty, 220v outlets	_____	
Emergency Lights, battery	_____	
Emergency Generators	_____	

INSTALLATION FEE DUE: _____
 FOR ADDITIONAL WORK NOT ON ORIGINAL PERMIT DOUBLE FEE DUE: _____
 FOR REMOVAL OF A "STOP ORDER" (304-16.b) _____
 FOR PERFORMING WORK WITHOUT A PERMIT (304-9) _____
 TOTAL AMOUNT DUE: 15.00

INSPECTION:
 Will be ready on _____, 19____; or Will Call x
 CONTRACTOR'S NAME: Bailey & Pickwell Inc.
 ADDRESS: 11 Allen Ext., Falmouth, Me.
 TEL.: 797-8633
 MASTER LICENSE NO.: 3312 SIGNATURE OF CONTRACTOR: [Signature]
 LIMITED LICENSE NO.: _____

INSPECTOR'S COPY

May 16, 1977

73 Auburn Street

Shaws Supermarket
73 Auburn Street
Portland, Maine

You may consider this letter to be a temporary Certificate of Occupancy until such time as all remaining details are completed to the satisfaction of Electrical, Plumbing, Building Inspection, at which time the official final copy will be issued.

The above departments should be notified when the work relating to each is completed.

Yours truly,

Hubert Irving, Insp.

R. L. Brown, Dir. of
Bldg. Inspections

HI/ht

LANMARK
ENGINEERING • ARCHITECTURE

CL
File
73 Auburn St

March 3, 1977

Mr. Bob Brown
Permits & Inspection
City Hall
Portland, Maine 04104

RE: Shaw's-Northgate
PORTLAND, MAINE
Project #7508
73 Auburn St

Mr. Brown:

Attached are our calculations for the existing roof framing system at this location. Our information on the existing framing members was taken from shop drawings prepared by the steel supplier. This information was field verified.

In remodeling the building, we have added substantial quantities of gypsum board ceilings and bulkheads suspended from the existing structure. Our review of structural elements was limited to those elements upon which the additional loads were imposed. The structural elements evaluated were two beams (a W16x36, double cantilever design, and a W16x31, simple span) and the steel bar joists (24H8) near the center of the store. Our calculations indicate that the existing system will exceed the code requirements even with the addition of the suspended gypsum board ceilings.

The system has been "field tested" this winter with a live load of more than 70 pounds of snow and ice after the gypsum board ceiling areas were installed. At its worst condition, the roof deflected 2½". Most of that deflection has been eliminated by melting the snow and we anticipate the system will show total rebound. We will field verify this. I would also point out that there are six rooftop heating/cooling units presently on the roof in the vicinity of the gypsum board ceilings. These will be removed from their location as the building nears completion. And while it is not possible to calculate the effect of this on our system, it will certainly increase the capacities of the system.

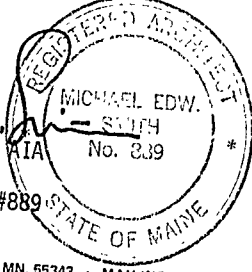
Should you have further questions, Bob, please contact me.

Very truly yours,

LANMARK

Michael Edw. Smith, AIA
Architect
Maine Registration #889

MES:dg



Enc.
cc: Alex Fava
Bill Langford

DETLEND, MAINE

7508.0

WFA 2-24-77

JOIST DESIGN CHECK

GIVEN: 24H8 JOISTS @ 4'-2" o/c.
SPAN 40'-0"

JOIST CAPACITY FROM DESIGN TABLES.

T.L. = 298#/ft

L.L. = 193#/ft

L.L. REQUIREMENTS
VARY W/ MFGR S.I. LL-176#/ft

(T.L.) (4.1667) = 298

T.L. = $\frac{298}{4.1667} = 71.5 \text{ #/ft}$

(L.L.) (4.1667) = 193

L.L. = $\frac{193}{4.1667} = 46.3 \text{ #/ft}$

D.L. = 25.2 #/ft

DEAD LOADS:

ROOFING	6 PSF
ROOF INSULATION	2 PSF
ROOF DECK.	2 PSF
TOTAL DECK DEAD LOAD =	10 PSF

BAE JOISTS	3 PSF
M&E EQUIP.	4 PSF
SHEETROCK & FINISH	5 PSF
TOTAL JOIST DEAD LOAD =	12 PSF

TOTAL JOIST DEAD LOAD = 10+12 = 22 PSF

$\Delta = \frac{L}{240} = \frac{40}{240} = 0.1667 = \frac{2}{3}$

$298(40) = 11,920 + 2 = 5960 \text{ END REACTION} < (6000)$

DETLEND CORPORATION
MADE IN U.S.A.

NO. 472, W. DETLEND'S CIVIL ENGINEERING
P.O. BOX 100, DETLEND, MAINE 04840