Location of Construction:	Owner Name:			Owner Address:		Phone:		
84 MARGINAL WAY	ATLANTIC B	RAYSID	E TRUST LL	50 PORTLAND	PIER STE 400	i none.		
Business Name:	Contractor Name			Contractor Address:		Phone	Phone	
	NeoKraft Sign			686 Main St. Le			2077829654	
Lessee/Buyer's Name	Phone:			Permit Type:			Zone:	
				Signs - Permane	ent		B-7	
Past Use: Proposed Use:				Permit Fee:	Cost of Work:	CEO District:		
for Drummond				\$284.00	\$284.00	0 1		
		oodsum- New signage dWoodsum (		FIRE DEPT:	FIRE DEPT: Approved Use C		Type: Sig	
Proposed Project Description:		1 c ·		l. / / /	/ <b>'</b>		/ _	
New signage for Drummond W	voodsum – one si i i		)·1 -	Signature: / PEDESTRIAN ACT		nature:		
216" X36'3 an	northwat elevat	امر					Denied >	
				Action: Appro	oved Approve	ed w/Conditions	Demea	
Permit Taken By:	Date Applied For:	Ī			g Approval			
ldobson	07/01/2008			2011111	g Approvar			
This permit application defined to the second	oes not preclude the	Spe	cial Zone or Revie	zws Zon	ing Appeal	Historic Pre	servation	
Applicant(s) from meeting Federal Rules.		☐ Sh	oreland	☐ Varian	ce	Not in Distr	ict or Landmar	
2. Building permits do not in septic or electrical work.	nclude plumbing,	Wetland		☐ Miscel	laneous	☐ Does Not R	equire Review	
3. Building permits are void within six (6) months of t		☐ Flo	ood Zone	☐ Condit	ional Use	Requires Re	view	
False information may in permit and stop all work	validate a building	☐ Su	bdivision	_ Interpr	etation	Approved		
		☐ Sit	e Plan	Approv	ved	Approved w	/Conditions	
<b>y</b> − 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1		Мај [ О <b>К</b>	Minor MM	Denied	I	☐ Denied		
			A volacle	Date:		Date:		
		C	ERTIFICATI	ON				
hereby certify that I am the over have been authorized by the curisdiction. In addition, if a poshall have the authority to enterpose the permit.	owner to make this appliermit for work described	ication a	s his authorized application is is	d agent and I agree ssued, I certify that	to conform to al the code officia	ll applicable laws l's authorized rep	of this resentative	
F								
SIGNATURE OF APPLICANT								

DATE

PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE

Form # P 04

## DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

## **CITY OF PORTLAND**

Please Read Application And Notes, If Any,

## HAPECTION

Rion a

PERMI Permit Number: 080803 Attached This is to certify that\_ ATLANTIC BAYSIDE TR has permission to \_\_\_\_ New signage for Drummond bodsum AT \_84 MARGINAL WAY 034A B**0**01001

ine and of the

rm or

provided that the person or persons of the provisions of the Statutes of I the construction, maintenance and use of buildings and s this department.

Apply to Public Works for street line and grade if nature of work requires such information.

fication inspe n mus en permi on proci n and w t there re this lding or ed or osed-in JR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

epting this permit shall comply with all

ctures, and of the application on file in

nances of the City of Portland regulating

OTHER REQUIRED APPROVALS

Fire Dept. Health Dept. Appeal Board\_ Other \_ Department Name

Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

## **ELECTRICAL PERMIT** City of Portland, Me.

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 City of Portland Electrical Ordinance, National Electrical Code and the following specifications:

Date <u>6</u> -	30-08
Permit #_	0-00 11110
CBL#	24AB1

	11.364	arginal Way Woodsum	PHORE #	<i>201-55</i> -3-2000 TO	TAL EACH	FFE
DUTLETS	_	Receptacles	Switches	Smoke Detector	.20	<u> </u>
IXTURES		Incandescent	Fluorescent	Strips	.20	
SERVICES		Overhead	Underground	TTL AMPS <800	15.00	
SERVICES .		Overhead	Underground	>800 >800	25.00	
Temporary Service		Overhead	Underground	TTL AMPS	25.00	_
					25.00	
METERS		(number of)			1.00	
MOTORS		(number of)			2.00	
RESID/COM		Electric units			1.00	
HEATING		oil/gas units	Interior	Exterior	5.00	
APPLIANCES		Ranges	Cook Tops	Wall Ovens	2.00	
		Insta-Hot	Water heaters	Fans	2.00	
		Dryers	Disposals	Dishwasher	2.00	
		Compactors	Spa	Washing Machine	2.00	
	_	Others (denote)			2.00	
MISC. (number of)		Air Cond/win		<u> </u>	\3.00	
		Air Cond/cent		Pools	10.00	_
		HVAC	EMS	Thermostat	5\00	4 14
	1	Signs Alarms/res			10.00	\$ 10
		Alarms/res Alarms/com			15.00	
		Heavy Duty(CRKT)			2.00	<del> </del>
		Circus/Carny		<del>                                     </del>	25.00	<del></del>
- <u>-</u>		Alterations			5.00	
		Fire Repairs			15.00	<del> </del>
		E Lights	-		1.00	
		E Generators			20.00	
						1
PANELS		Service	Remote	Main	4.00	
RANSFORMER		0-25 Kva			5.00	
		25-200 Kva			8.00	
		Over 200 Kva			10.00	
				TOTAL AMOUNT DUE		\$55
		MINIMUM FEE/COMM	IERCIAL 55.00	MINIMUM FEE 45	.00	<b>J</b>
	ı	lecksaft Signson, 1 St., Lewiston, 1 82-9654	Inc.	MASTER LIC. # MCla	00/6883	2

389 Congress Street, 0	·	g or Use Permi 874-8703. Fax: (		Permit No: 08-0803	<b>Date Applied For:</b> 07/01/2008	CBL: 034A B001001
Location of Construction:		ier Name:	<u> </u>	Owner Address:		Phone:
84 MARGINAL WAY	АТ	LANTIC BAYSID	E TRUST LL	50 PORTLAND P	IER STE 400	
Business Name:	Con	tractor Name:		Contractor Address:		Phone
	Ne	oKraft Signs		686 Main St. Lew	iston	(207) 782-9654
Lessee/Buyer's Name	Pho	1e:		Permit Type:		•
				Signs - Permanen	t	
Proposed Use:			Propose	ed Project Description:		
DrummondWoodsum (celevation)	ne building sign -	3'6" x 36'3" on no	rthwest 36'3"	on northwest eleva	tion	

Ok to Issue:

#### **Comments:**

Note:

7/16/2008-amachado: Gave permit to Rick Knowland to be reviewed by Rick & Alex Jaegerman.

1) Signage Installation to comply with Chapter 31 of the IBC 2003 building code.

7/28/2008-amachado: Planning signed off 7/24/08.

# Signage/Awning Permit Application

If 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:	34 Margina	1 Way	·		
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# 34 A \(  \)	Owner: Atlantic No	ctional Trust L Pier, suite 40 E 04101	LCO	Telephone: 207-553-2	
Lessee/Buyer's Name (If Applicable)  Drummand Woodsum	Contractor name, add  Neokraff  686 Mains  Lewiston,  207-783	lress & telephone:	Total s.f. of Per s.f. plus For H.D. si Fee: \$ Awning F	signage x \$2.00 \$30.00/\$65.00 gnage= Total /2 28 // See= cost of work \$ 28/.00	756
Who should we contact when the permit is re-	idy. Shane Moffe,	H phone: 7	82-96S	-4	
Tenant/allocated building space frontage Lot Frontage (feet)	(feet): Length: Single Tenant or Mul	Height ti Tenant Lot	Hitena	see all	ichme
Current Specific use: <u>I Enant offi</u> If vacant, what was prior use: <u>N/A</u> Proposed Use: <u>Funant office Con</u>	ce complex				
Information on proposed sign(s):  Freestanding (e.g., pole) sign? Yes  Bldg. wall sign? (attached to bldg) Yes	No Dimension_	ons proposed:	Height   36-3	W/ 3 -6" Cap.	<del>,</del> ,
Proposed awning? Yes No Is a Height of awning: Length of Is there any communication, message, trader If yes, total s.f. of panels w/communications	awning:	Depth:			
Freestanding (e.g., pole) sign? Yes Bldg. wall sign? (attached to bldg) Yes Awning? Yes No Sq. ft. are	nitted sign(s):  No Dimension  No Dimension  a of awning w/communic	ns:	ntly appro	oved wall signase nxnet, and Drumm	for onel
site sketch and building sketch showing e tetches and/or pictures of proposed signa	xactly where existing an	d new signage is loca			
lease submit all of the information of ailure to do so may result in the aut		~	ion Chec	klist.	
order to be sure the City fully understands the ditional information prior to the issuance of a nilding Inspections office, room 315 City Hall	permit. For further inforn	the Planning and Deve nation visit us on-line a	lopment De t <u>www.port</u>	epartment may request andmaine.gov, stop by	the
ereby certify that I am the Owner of record of the a horized by the owner to make this application as hi ermit for work described in this application is issue as covered by this permit at any reasonable hour to	s/her authorized agent. I ag: d, I certify that the Code Off	ree to conform to all applicial's authorized represen	icable laws of tative shall h	this invisdiction. In addit	tion if
Signature of applicant:	A Shanel	Moffeff Date:	7/1/00	8	
it-multi-ternit. This is not a permit; upper floor ternit. 5% of	you may not commence A	ANY work until the per	mit is issued	1.   per levant Friends	+ 1 p
,	dr	and beautifurnation	302.4	-	

From:

Rick Knowland

To:

Ann Machado

Date:

7/24/2008 12:40:03 PM

Subject:

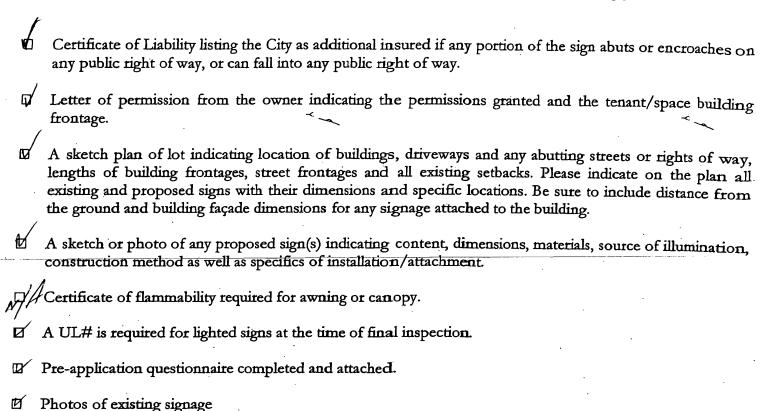
84 marginal way

Ann, I have discussed the Drummond Woodsum sign request for 84 Marginal Way along I-295 with Alex and he has ok'd it.



# Signage/Awning Permit Application Checklist

All of the following information is required and must be submitted. Checking off each item as you prepare your application package will ensure your package is complete and will help to expedite the permitting process.



Permit fee for signage or awning-with-signage: \$30.00 plus \$2.00 per square foot of sign.

Details for sign fastening, attachment or mounting in the ground.

Permit fee for awning-without-signage is based on cost of work: \$30.00 for the first \$1,000.00, \$9.00 per additional \$1,000.00 of cost.

Base application fee for any Historic District signage is \$65.00.

# **Drummond**Woodsum

Ronald N. Ward

rnward@dwmlaw.com

245 Commercial Street Post Office Box 9781 Portland, ME 04104-5081 (207) 772-1941 (207) 772-3627 Fax (800) 727-1941

www.dwmlaw.com

ADMITTED IN ME ONLY

Daniel Amory\* Harry R. Pringle\* Richard A Spencer Gerald M. Zelint Ronald N. Wards David J. Backer\* John S. Kaminski William L. Plouffe<sup>4</sup> Jerrol A. Crouter Michael E. High\* Richard A. Shinay\* Bruce W. Smith\* Gary D. Vogel\* E. William Stockmeyer Benjamin E. Marcus\* Melissa A. Hewey\*1 Eric R. Herlan\*1 Jeanne M. Kincaid\*1 Gregory W. Sample\* Daniel J. Bose\*t Kaighn Smith, Jr.\* Daina J. Nathanson Edward J. Kelleher\* S. Campbell Badger Melissa L. Cillev◊ Amy K. Tchao\*† David S. Sherman, Jr.\* Bohert P. Nadeau\* Stephen C. Jordan\*† Catherine D. Alexander Brian D. Willing\* John Lisnik, Jr.\*1 Aaron M. Pratt\*1 James C. Schwellenbach\*1 Elizabeth D. McEvov\* Jeffrey T. Piampiano Peter C. Felmly Jessica M. Emmons\* Jonathan M. Goodman Mika K. Reynolds<sup>4</sup> Abigail Greene Goldman Sara S. Hellstedt

Consultants

Roger P. Kelley Labor Relations & Conflict Management

Ann S. Chapman Policy & Labor Relations

Christopher P. O'Neil Governmental Affairs

Michael J. Opuda Ph.D Special Education

#### Of Counsel

Harold E. Woodsum, Jr.\* Hugh G. E. MacMahon\* Joseph L. Delafield III\* Robert L. Gips\* Donald A. Kopp\*

\* Admitted In Maine
† Admitted In New Hampshire
OAdmitted in Missouri

July 1, 2008

Richard Knowland, Senior Planner Planning Department City of Portland, Maine 389 Congress Street, Room 308 Portland, ME 04101

RE: Sign Application – 84 Marginal Way

Dear Rick:

As discussed, enclosed is our application for our additional office sign on the Route 295 side of the building. Also enclosed is a check in the amount of \$339.00 to cover the application fee.

We appreciate whatever the City can do to expedite this application in order that we commit to the sign fabrication costs with confidence that we have crossed all the administrative hurdles. Please let me know when Planning has approved and forwarded on to Inspections, together with designation of our contact person within Inspections.

Also as discussed, this location of the sign represents a compromise between what we had assumed and what the City apparently desires. We had originally planned for a curtain wall location higher up on the north face of this building to give us clear visibility from Route 295. Planning apparently balked at that location and, after much review and analysis, my office came to the conclusion that the current brick façade application would be appropriate. However, as we discussed, the height of the brick façade and its relationship to the parking structure renders it much less visible than the curtain wall application. We are going forward with the current proposal in hopes that it proves to be reasonably visible but, if not, we reserve our right to come back to you to seek another location, perhaps on the curtain wall or on the brick façade at the northwesterly corner of the building.

In the interim, we are planning a "banner sign" as a temporary announcement of our new location. That will be our first indication of whether the brick façade location will reasonably serve our needs.

Thanks for the assistance.

Sincerely,

Ronald N. Ward

**Enclosures** 

# **DrummondWoodsum**

Ruth H. Wentzel

rwentzel@dwmlaw.com

(207) 772-1941 (207) 772-3627 Fax (800) 727-1941

245 Commercial Street Post Office Box 9781 Portland, ME 04104-5081 www.dwmlaw.com

aniel Amory arry R. Pringle\* chard A. Spencer erald M. Zefint anald N. Ward ivid J. Backer hn S. Kaminski\* illiam L. Plouffe\* mol A. Crouter chael E. High\* :hard A. Shinay\* uce W. Smith\* ry D. Vogel\* William Stockmeyer\* njamin E. Marcus\* :lissa A. Hewey\*t c R. Herlan\*† anne M. Kincaid\*1 agory W. Sample\* niel J. Rose\*† ighn Smith, Jr.\* ina J. Nathanson\* ward J. Kelleher\* Campbell Badger lissa L. Cilley♦ y K. Tchao\*1 nd S. Sherman, Jr.\* ert P. Nadeau phen C. Jordan\*t herine D. Alexander an D. Willing\* ın Lisnik, Jr.\*† on M. Pratt\*1 nes C. Schwellenbach\*† abeth D. McEvoy\* rey T. Piampiano er C. Felmiy\* sica M. Emmons\* athan M. Goodman\* a K. Raynolds\* jail Greene Goldman\* / J. Visentin\* S. Helfstedt\*

sultants

er P. Kelley or Relations & flict Management

S. Chapman y & Labor Relations

stopher P. O'Neil annmental Affairs

isel J. Opuda Ph.D. iel Education

ounsel

Id E. Woodsum, Jr.\*
16. E. MacMahon\*
ph L. Delafield III\*
id L. Gips\*
Id A. Kopp\*

mitted In Maine mitted In New Hampshire mitted in Missouri May 30, 2008

Neokraft Signs, Inc. 686 Main Street Lewiston, Maine 04240

RE: Sign permit at 84 Marginal Way, Portland

To whom it may concern:

Drummond Woodsum hereby grants permission to Neokraft Signs, Inc. to apply to the City of Portland for a sign permit, on behalf of Drummond Woodsum, for a sign along the Marginal Way side of the building located at 84 Marginal Way.

Cordially,

Ruth H. Wentzel

Marketing Manager on Behalf of Drummond Woodsum



Neokraft Signs Inc. 686 Main Street Lewiston, Maine 04240 Telephone: 207.782.9654 Facsimile: 207.782.0009 1.800.339.2258 http://www.neokraft.com

Intermed, F

## LANDLORD CONSENT AGREEMENT

Written consent and agreement relating to a certain sign proposed to be erected on the
premises at: 84 Marginal Way in Portland, ME, on behalf Winx Net, Inc. Drummond Woodsom +
Atlantic Baysida Trust, LLC being the owner of the premises at
84 Marginal Way in Portland, ME
hereby gives consent to the erection of (a) certain sign(s):
as set forth in exhibit A.
owned by: Intermed (the tenant) as described in the attached application for a permit
submitted to the inspection division of the building department of The City of
Portland, Portland, ME to cover the erection of said signs.
Signed by the owner of said premises, or his authorized agent, on this
30 th day of
(SIGNED)
CFO (TITLE)

C..... C.... C. 1 + 10

CERTIFICATE OF LIAE	BILITY INSURANCE	OPID M5 DRUMM-2	DATE (MM/DD/YYYY) 06/02/08
TD Banknorth Ins Agey Inc (SP) P.O. Box 406	THIS CERTIFICATE IS ISSI ONLY AND CONFERS NO HOLDER. THIS CERTIFICA ALTER THE COVERAGE A	RIGHTS UPON TH	R OF INFORMATION E CERTIFICATE
Portland ME 04112-0406 Phone: 207-239-3500 Fax: 207-775-0339	INSURERS AFFORDING CO	VERAGE	NAIC#
NSURED	INSURER A: Travelers Indemnit	y Co of CT	25682
	INSURER B:		
Drummond Woodsum & MacMahon PA & Classic Title Company	INSURER C:		
PA & Classic Title Company 245 Commercial Street Portland ME 04101	INSURER D:		
POLITAING ME 04101	MCHOED E.		

INSURER E:

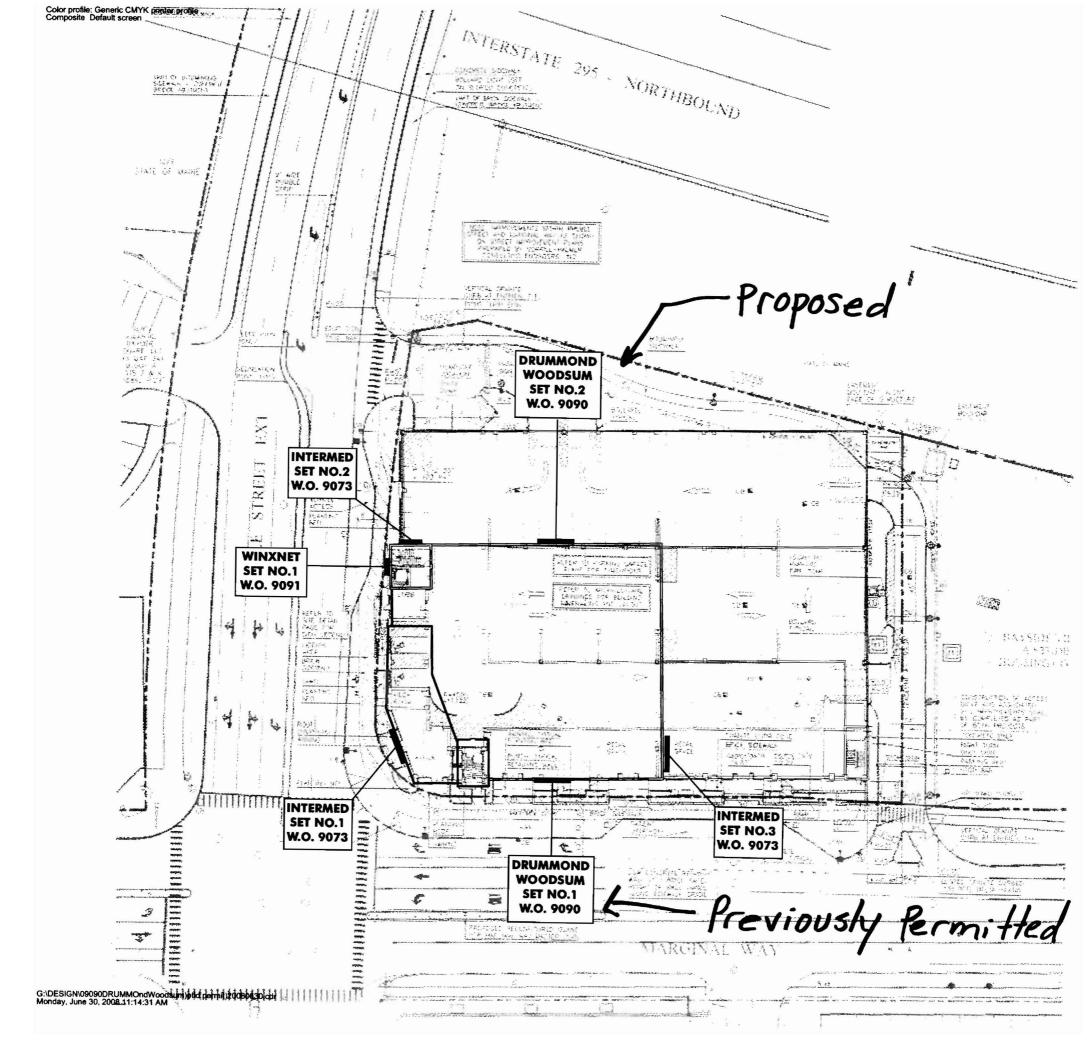
#### OVERAGES

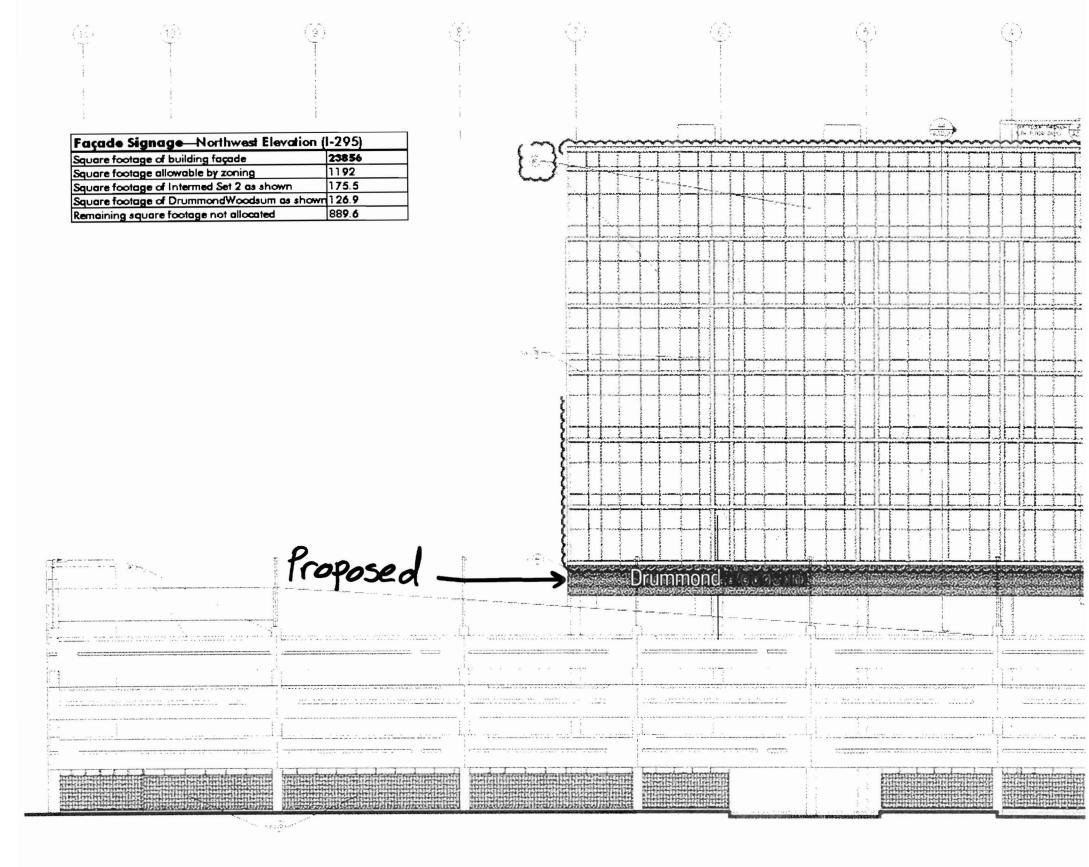
THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

ADD'L INSRD		POLICY NUMBER	DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMIT	S
	GENERAL LIABILITY				EACH OCCURRENCE	\$ 100000
x	X COMMERCIAL GENERAL LIABILITY	I680945D305A	04/01/08	04/01/09	DAMAGE TO RENTED PREMISES (Ea occurence)	\$ 100000
	CLAIMS MADE X OCCUR				MED EXP (Any one person)	\$ 5000
					PERSONAL & ADV INJURY	\$ 1000000
					GENERAL AGGREGATE	\$ 2000000
	GEN'L AGGREGATE LIMIT APPLIES PER:				PRODUCTS - COMP/OP AGG	\$ 2000000
	POLICY PRO- JECT LOC					
	AUTOMOBILE LIABILITY ANY AUTO				COMBINED SINGLE LIMIT (Ea accident)	\$
	ALL OWNED AUTOS SCHEDULED AUTOS				BODILY INJURY (Per person)	s
	HIRED AUTOS NON-OWNED AUTOS				BODILY INJURY (Per accident)	\$
					PROPERTY DAMAGE (Per accident)	\$
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	\$
-	ANY AUTO				OTHER THAN AUTO ONLY:  EA ACC AGG	\$
	EXCESS/UMBRELLA LIABILITY				EACH OCCURRENCE	\$
ŀ	OCCUR CLAIMS MADE				AGGREGATE	\$
ŀ						\$
ŀ	DEDUCTIBLE					\$
ļ	RETENTION \$					\$
WOR	KERS COMPENSATION AND				WC STATU- OTH- TORY LIMITS ER	
	OYERS' LIABILITY PROPRIETOR/PARTNER/EXECUTIVE				E.L. EACH ACCIDENT	\$
OFFIC	CER/MEMBER EXCLUDED?				E.L. DISEASE - EA EMPLOYEE	\$
If yes, SPEC	describe under IAL PROVISIONS below				E.L. DISEASE - POLICY LIMIT	\$
OTHE	R			_		

ESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS
Lity of Portland is listed as Additional Insured/General Liability

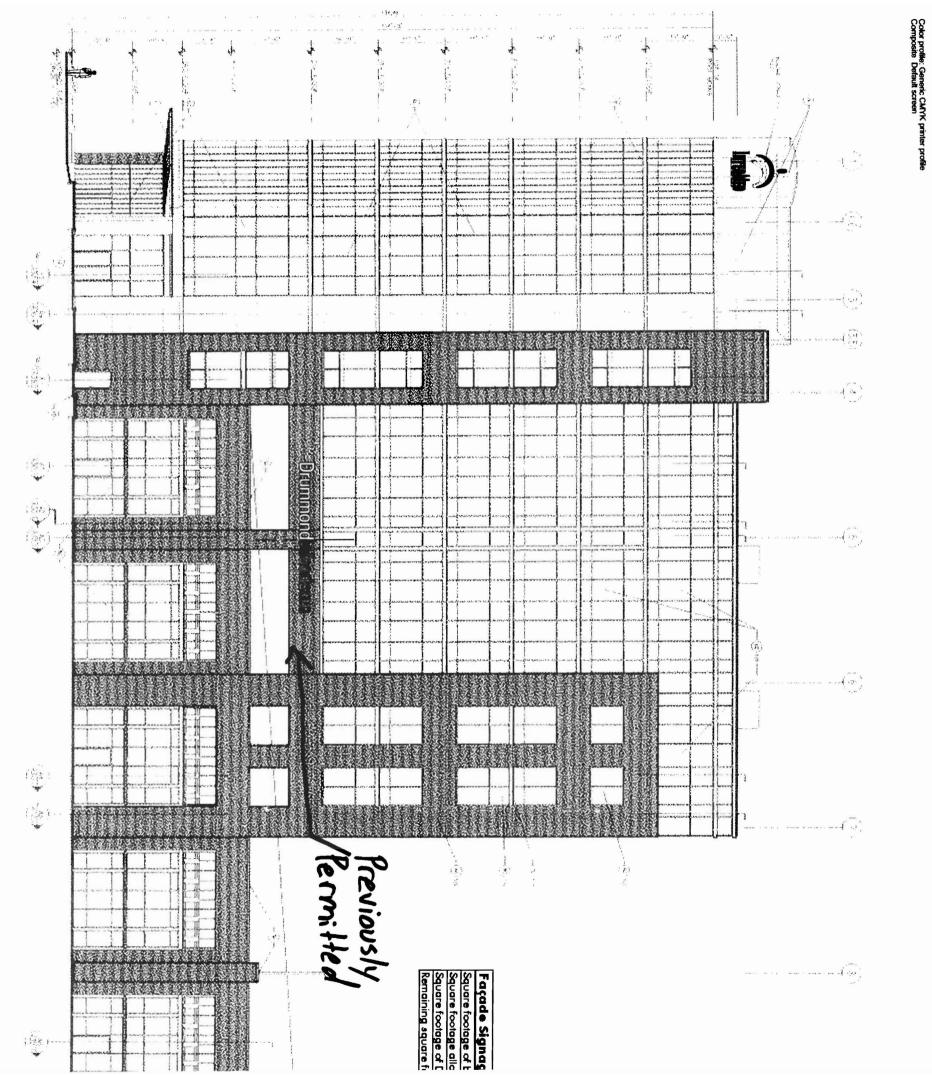
ERTIFICATE HOLDER	CANCELLATION		
City of Portland 389 Congress St Portland ME 04101	CITYP01	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL $10$ DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.  AUTHORIZED REPRESENTATIVE  TD Banknorth Ins. Agency, Inc.	





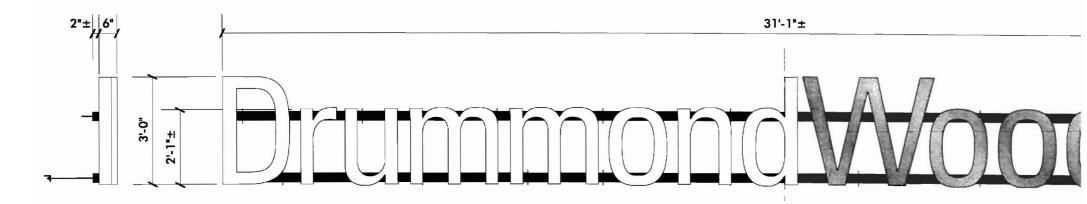
NORTHWEST ELEVATION (I-295) SHOWING LOCATIONS OF INTERMED SET NO.2 AND DRUMMONDWOODSUM SET 2

SCALE: 1"=20'



SOUTHEAST ELEVATION (MARGINAL WAY) SHOWING LOCATION OF DRUMMONDWOODSUM SET 1 SCALE: 1"=20'

G:\DESIGN09090DRUMMOndWoodsum)ptid permit)20080630.cdr Monday, June 30, 2008 11:14:31 AM



LED FACE-LIT FABRICATED ALUMINUM/ACRYLIC LETTERS, 3" x 2" RECT. ALUMINUM RAILS PAINTED TO MATCH WALL, MAP OAKLEAF BROWN [10C-4D]

WHITE ACRYLIC FACES, WHITE TRIM, WHITE RETURNS; GSP SILVER MET [230-121] VINYL OVERLAYS AT "WOODSUM"

120 VOLT PRIMARY ELECTRICAL

UPPER RAIL: 1/4" THREADED STAINLESS STEEL ROD MOUNTING, EPOXY-SET IN BRICK, MINIMUM (9) MOUNTING LOCATIONS

LOWER RAIL:  $\frac{1}{4}$ " THREADED STAINLESS STEEL ROD THROUGH-BOLT WALL MOUNTING, MINIMUM (9) MOUNTING LOCATIONS

Previously Permitted

**END VIEW** 

NTS

**DRUMMOND WOODSUM SET NO. 1—**FACE-LIT FABRICATED WALL LETTERS

SCALE: 3/8"=1'-0"

SIGN AREA=93.3 SQ. FT

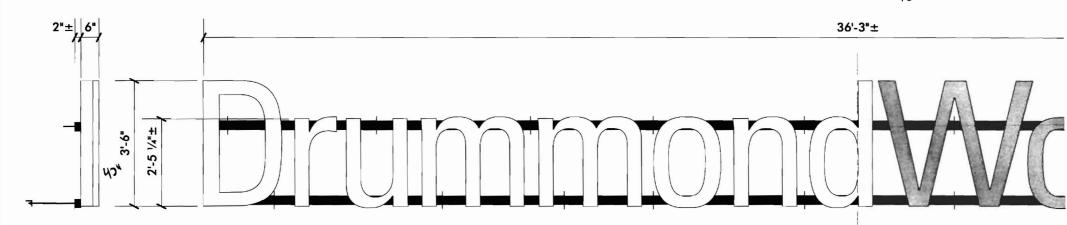
Letter Depth (in.)	Letter Height (in.)	Face Area (sq.in.)	Side Area (sq.in.)	144 mph wind Face Load Force (lbs.)	Wind Side Load Force (lbs.)
6	36	777.6	216	447	124

(in.) 0.25	(psi/each) 0.049	per letter	area (sq. in.) 0.059	Strength lbs.
Screw minor thread diameter	Screw Area	No. of Screws	sectional	Total Screws Shear

#### Assumptions and Facts

The point of failure will be the screws in shear at the minor thread diameter. Tensile trength at break for Stainless Steel exceeds 16,000 psi. 144 mph wind speed is equal to 82.7 lbs./sq. ft. (0.574 lbs./sq.in.). Average face area of a sign letter is 0.6 x height squared.





LED FACE-LIT FABRICATED ALUMINUM/ACRYLIC LETTERS, 3" x 2" RECT. ALUMINUM RAILS PAINTED TO MATCH WALL, MAP OAKLEAF BROWN [10C-4D]

WHITE ACRYLIC FACES, WHITE TRIM, WHITE RETURNS; GSP SILVER MET [230-121] VINYL OVERLAYS AT "WOODSUM"

120 VOLT PRIMARY ELECTRICAL

UPPER RAIL: 1/4" THREADED STAINLESS STEEL ROD MOUNTING, EPOXY-SET IN BRICK, MINIMUM (9) MOUNTING LOCATIONS

LOWER RAIL:  $\frac{1}{4}$ " THREADED STAINLESS STEEL ROD THROUGH-BOLT WALL MOUNTING, MINIMUM (9) MOUNTING LOCATIONS

Proposed

END VIEW

NTS

#### **DRUMMOND WOODSUM SET NO. 2—**FACE-LIT FABRICATED WALL LETTERS

SCALE: 3/8"=1'-0"

SIGN AREA=126.9 SQ. FT

				144 mph	
Letter	Letter	Face		wind Face	
Depth	Height	Area	Side Area	Load Force	Wind Side Load
(in.)	(in.)	(sq.in.)	(sq.in.)	(lbs.)	Force (lbs.)
3	42	1058.4	126	608	73

0.25	0.049	4	0.196	3142
(in.)	(psi/each)	Screws	area (sq. in.)	Strength lbs.
diameter	Area	No. of	sectional	Shear
thread	Screw	Minimum	сгозэ-	Total Screws
minor	l		Total screws	
Screw				

#### **Assumptions and Facts**

The point of failure will be the screws in shear at the minor thread diameter. Tensile trength at break for Stainless Steel exceeds 16,000 psi. 144 mph wind speed is equal to 82.7 lbs./sq. ft. (0.574 lbs./sq.in.). Average face area of a sign letter is 0.6 x height squared.



435 x 42 =

G:\DESIGN\09090DRUMMOndWoodsum)ptld permit)20080630.cdr Monday, June 30, 2008 12:00:31 PM