

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK
CITY OF PORTLAND

Please Read
Application And
Notes, If Any,
Attached

BUILDING INSPECTION

PERMIT

Permit Number: 080602

This is to certify that ATLANTIC BAYSIDE TRADING LLC / NeoKraft Signs

has permission to Install 3 Signs (1) 11'4"x21' (2) 9'9"x (3) 6'

AT 84 MARGINAL WAY

034A B001001

provided that the person or persons firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of the State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

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

Notification of inspection must be given and when permission proceeds before this building or part thereof is opened or otherwise closed-in. 4
 YOUR NOTICE REQUIRED

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

OTHER REQUIRED APPROVALS

Fire Dept. _____

Health Dept. _____

Appeal Board _____

Other _____

Department Name

Thomas M. Kelly 6/13/08
 Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

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

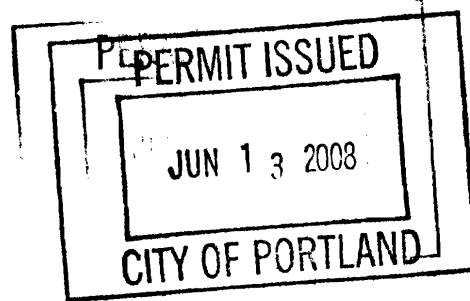
Permit No: 08-0602	Issue Date:	CBL: 034A B001001
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Location of Construction: 84 MARGINAL WAY	Owner Name: ATLANTIC BAYSIDE TRUST LL	Owner Address: 50 PORTLAND PIER STE 400	Phone: 207-553-2000
Business Name:	Contractor Name: NeoKraft Signs	Contractor Address: 686 Main St. Lewiston	Phone: 2077829654
Lessee/Buyer's Name	Phone:	Permit Type: Signs - Permanent	Zone: B-7

Past Use: Commercial - Intermed - medical (7, 8, 9, 10 floors - permit for up - 08-02-10)	Proposed Use: Commercial - Intermed Install 3 Signs. (1) 11'4"x21' (2) 9'9"x18' (3) 6'x11'	Permit Fee: \$994.00	Cost of Work: \$0.00	CEO District: 1
Proposed Project Description: Install 3 Signs. (1) 11'4"x21' (2) 9'9"x18' (3) 6'x11'		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: <i>Commercial</i> Type: <i>Sign</i>	
		Signature:	Signature:	
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)				
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied				
		Signature:	Date:	

Permit Taken By: lmd	Date Applied For: 06/02/2008	Zoning Approval		
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<ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. 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 type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> OK w/cond. hour Date: 6/12/08 ABU	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <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 ABU Date:
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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

City of Portland, Maine - Building or Use Permit

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

Permit No: 08-0602	Date Applied For: 06/02/2008	CBL: 034A B001001
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Location of Construction: 84 MARGINAL WAY	Owner Name: ATLANTIC BAYSIDE TRUST LL	Owner Address: 50 PORTLAND PIER STE 400	Phone: 207-553-2000
Business Name:	Contractor Name: NeoKraft Signs	Contractor Address: 686 Main St. Lewiston	Phone: (207) 782-9654
Lessee/Buyer's Name	Phone:	Permit Type: Signs - Permanent	

Proposed Use: Commercial - Intermed Install 3 Signs. (1) 11'4"x21' (2) 9'9"x18' (3) 6'x11'	Proposed Project Description: Install 3 Signs. (1) 11'4"x21' (2) 9'9"x18' (3) 6'x11'
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Dept: Zoning	Status: Approved with Conditions	Reviewer: Ann Machado	Approval Date: 06/12/2008
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.			
Dept: Building	Status: Approved with Conditions	Reviewer: Tom Markley	Approval Date: 06/13/2008
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) Signage Installation to comply with Chapter 31 of the IBC 2003 building code.			
2) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.			

From: Rick Knowland
To: Ann Machado
Date: 6/18/2008 3:55:04 PM
Subject: 84 marginal way

Ann, We have reviewed the 84 marginal way sign package and it is ok.



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: <u>84 Marginal Way</u>		
Tax Assessor's Chart, Block & Lot Chart# Block# Lot#	Owner: <u>Atlantic National Trust LLC</u> <u>500 Portland Pier, Suite 400</u> <u>Portland, ME 04101</u>	Telephone: <u>207-553-2000</u>
Lessee/Buyer's Name (If Applicable) <u>Intermed, P.A.</u>	Contractor name, address & telephone: <u>Neokraft Signs Inc.</u> <u>686 Main St.</u> <u>Lewiston, ME 04240</u> <u>207-782-9654</u>	Total s.f. of signage x \$2.00 Per s.f. plus \$30.00/\$65.00 <u>482 sq. ft.</u> For H.D. signage= Total Fee: \$ <u>994.00</u> Awning Fee= cost of work <input checked="" type="checkbox"/> Total Fee: \$ <u>994.00</u>
Who should we contact when the permit is ready: <u>Shane Moffett</u> phone: <u>207-782-9654</u>		
Tenant/allocated building space frontage (feet): Length: _____ Height: _____ Lot Frontage (feet) _____ Single Tenant or Multi Tenant Lot <u>multi-tenant</u> } <u>see attachment</u>		
Current Specific use: <u>tenant office complex</u> If vacant, what was prior use: <u>N/A</u> Proposed Use: <u>tenant office complex</u>		
Information on proposed sign(s): Freestanding (e.g., pole) sign? Yes _____ No <input checked="" type="checkbox"/> Dimensions proposed: _____ Height from grade: _____ Bldg. wall sign? (attached to bldg) Yes <input checked="" type="checkbox"/> No _____ Dimensions proposed: <u>11'-4 1/2" x 21'-0"; 92 9/16" x 18'-0"; 6'-0" x 11'-1"</u>		
Proposed awning? Yes _____ No <input checked="" type="checkbox"/> Is awning backlit? Yes _____ No _____ Height of awning: _____ Length of awning: _____ Depth: _____ Is there any communication, message, trademark or symbol on it? Yes _____ No _____ If yes, total s.f. of panels w/communications, message, trademark or symbol: _____ s.f.		
Information on existing and previously permitted sign(s): Freestanding (e.g., pole) sign? Yes _____ No <input checked="" type="checkbox"/> Dimensions: _____ Bldg. wall sign? (attached to bldg) Yes _____ No <input checked="" type="checkbox"/> Dimensions: _____ Awning? Yes _____ No <input checked="" type="checkbox"/> Sq. ft. area of awning w/communication: _____		
A site sketch and building sketch showing exactly where existing and new signage is located must be provided. Sketches and/or pictures of proposed signage and existing building are also required. <u>-see attached-</u>		

Please submit all of the information outlined in the Sign/Awning Application Checklist. Failure to do so may result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on-line at www.portlandmaine.gov, stop by the Building Inspections office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work 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: Shane Moffett Date: 6-2-08

B-7 multi-tenant
upper floor tenants
5% of work area

This is not a permit; you may not commence ANY work until the permit is issued.

1 per tenant + 1 per facade
total 3 + 4 = 7 signs

Neokraft Signs Inc.
① S.W. elevation - 5% = 1038 ft² - 238.85 ft² + 68.83 ft² = 307.71
② N.W. " - 5% = 1192.8 ft² - 175.5 ft² OK
③ N.E. " - 5% = 955.9 ft² - 66.5 ft² OK

OK



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.

- Certificate of Liability listing the City as additional insured if any portion of the sign abuts or encroaches on any public right of way, or can fall into any public right of way.
- Letter of permission from the owner indicating the permissions granted and the tenant/space building frontage.
- A sketch plan of lot indicating location of buildings, driveways and any abutting streets or rights of way, lengths of building frontages, street frontages and all existing setbacks. Please indicate on the plan all existing and proposed signs with their dimensions and specific locations. Be sure to include distance from the ground and building façade dimensions for any signage attached to the building.
- A sketch or photo of any proposed sign(s) indicating content, dimensions, materials, source of illumination, construction method as well as specifics of installation/attachment.
- Certificate of flammability required for awning or canopy.
- A UL# is required for lighted signs at the time of final inspection.
- Pre-application questionnaire completed and attached.
- Photos of existing signage
- Details for sign fastening, attachment or mounting in the ground.

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

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.



Neokraft

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>

Transmittal to	CITY OF PORTLAND INSPECTIONS 389 CONGRESS STREET PORTLAND, ME 04101	Date	06.2.2008
		Job No.	9073
		Re.	INTERMED PERMITS MAIL

Item	<input checked="" type="checkbox"/> Attached	<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Under separate cover	
	<input checked="" type="checkbox"/> Shop Drawings	<input type="checkbox"/> Prints	<input type="checkbox"/> Samples	<input checked="" type="checkbox"/> Specifications
	<input checked="" type="checkbox"/> Copy of letter	<input type="checkbox"/> Change Order	<input type="checkbox"/> Other	
	Copies	Date	No.	Description
	1 set	06.02.2008	9073	(1) SIGN PERMIT APPLICATION, (1) ELECTRICAL PERMIT APPLICATION, SITE PLAN, ELEVATION DRAWINGS, FASTENING DETAIL DRAWINGS, CERTIFICATE OF LIABILITY INSURANCE, LANDLORD AUTHORIZATION LETTER, AND (1) CHECK #9125 FOR \$1,049.00 TO OBTAIN PERMITS FOR INTERMED LOCATED ON 84 MARGINAL WAY.

Purpose	<input checked="" type="checkbox"/> For approval	<input type="checkbox"/> No exception taken	<input type="checkbox"/> Rejected
	<input type="checkbox"/> For your use	<input type="checkbox"/> Make corrections noted	<input type="checkbox"/> Review and comment
	<input type="checkbox"/> As requested	<input type="checkbox"/> Revise and resubmit	<input type="checkbox"/> Other

Remarks Please mail permits to this office upon approval.

Copy to

From SHANE MOFFETT

If enclosures are not as noted kindly notify us at once.

OFFICE:\CLERICAL\TEMPLATES\TRANSMITTAL FORM.DOT

JUN - 2 2008

ACORD CERTIFICATE OF LIABILITY INSURANCE		OP ID M5 INTER10	DATE (MM/DD/YYYY) 05/23/08
PRODUCER TD Banknorth Ins Agcy Inc (SP) P.O. Box 406 Portland ME 04112-0406 Phone: 207-239-3500 Fax: 207-775-0339		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW	
INSURED InterMed, P.A. 100 Foden Road South Portland ME 04106		INSURERS AFFORDING COVERAGE INSURER A: Maryland Casualty Company INSURER B: INSURER C: INSURER D: INSURER E:	NAIC # 19356

COVERAGES

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.

INSR	ADD'L	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
LTR	INSRD					
A	X	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	PAS42968181	01/01/08	01/01/09	EACH OCCURRENCE \$ 1,000,000. DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000. MED EXP (Any one person) \$ 10,000. PERSONAL & ADV INJURY \$ 1,000,000. GENERAL AGGREGATE \$ 2,000,000. PRODUCTS - COMP/OP AGG \$ 2,000,000.
		AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
		EXCESS/UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
		OTHER				
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS City of Portland is listed as Additional Insured with respects to General Liability.						

CERTIFICATE HOLDER CITYP01 City of Portland 389 Congress St Portland ME 04101	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL <u>10</u> 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.
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Neokraft :

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>

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 WinXNet, Inc. Drummond Woodsum + Intermed, P

Atlantic Bayside 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

30th day of May 2008.

[Signature] (SIGNED)

CFO (TITLE)



Neokraft
S I G N S

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>

Landlord Acknowledgement of Signage

As landlord of 84 Marginal Way Portland, ME, I acknowledge that the following square footage for our primary tenant Intermed is as follows:

A – Southwest Elevation

Square footage of building	20775 sq. ft.
Square footage allowable by zone	1035 sq. ft.
Square footage of Primary Tenant	238.7 sq. ft.
Square footage of Winex	66.8 sq. ft.
Square footage remaining	730.3 sq. ft.

B – Northwest Elevation

Square footage of building	23826 sq. ft.
Square footage allowable by zone	1192 sq. ft.
Square footage of Primary Tenant	175.5 sq. ft.
Square footage remaining	1016.5 sq. ft.

A – Northeast Elevation

Square footage of building	19118 sq. ft.
Square footage allowable by zone	955 sq. ft.
Square footage of Primary Tenant	66.5 sq. ft.
Square footage remaining	888.5 sq. ft.

Neokraft Signs Inc.
686 Main Street
Lewiston, Maine 04240

South East Elevation (Marginal Way)

Square footage of building	24731 sq. ft.
Square footage allowable by zone	1236 sq. ft.
Square footage of Drummond Woodsum	91.7 sq. ft.
Square footage remaining	1144.3 sq. ft.

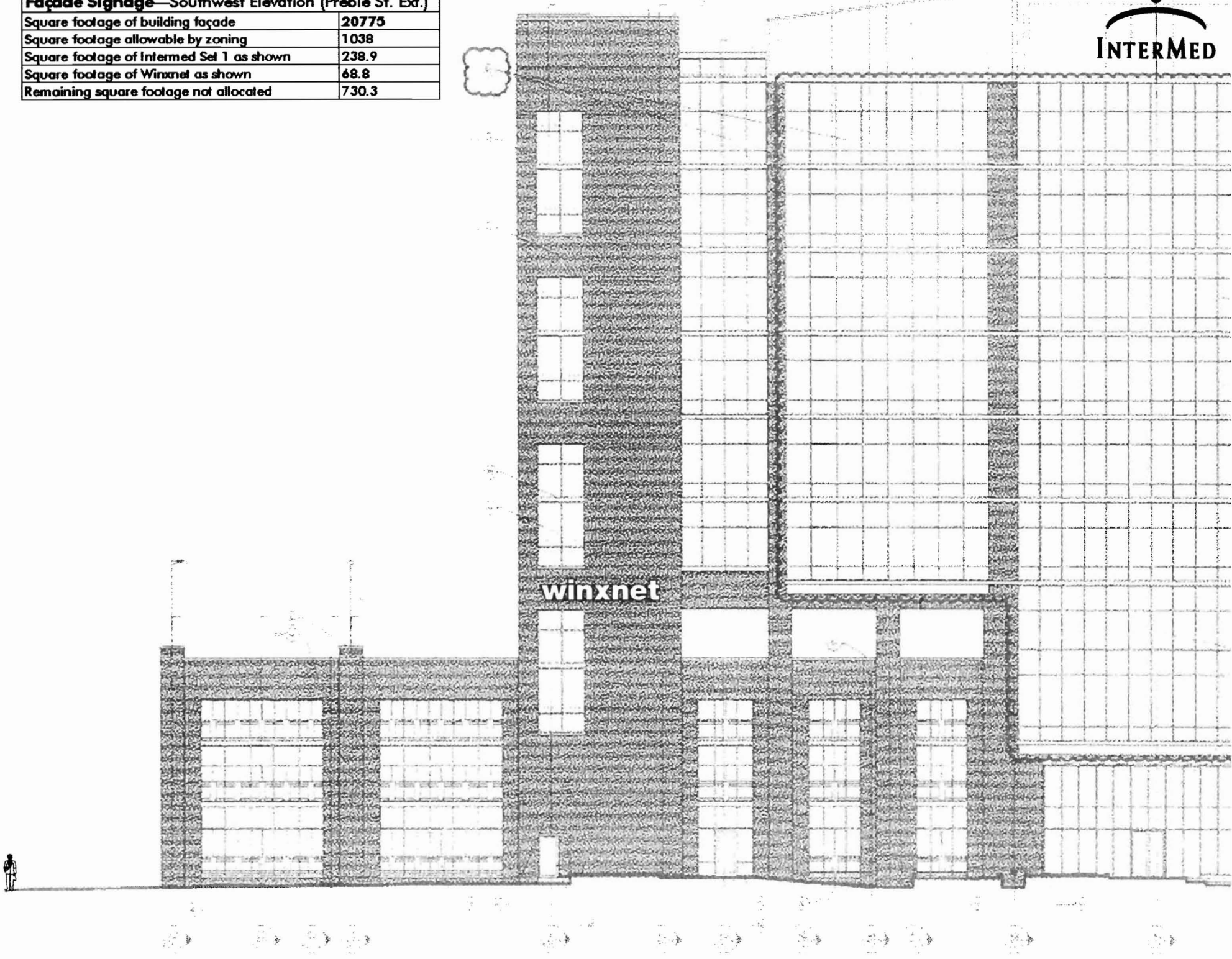
Signed by the owner of said premises, or his authorized agent, on this

2 day of June 2008.

James M. Hawley (Signed)
CFO (Title)



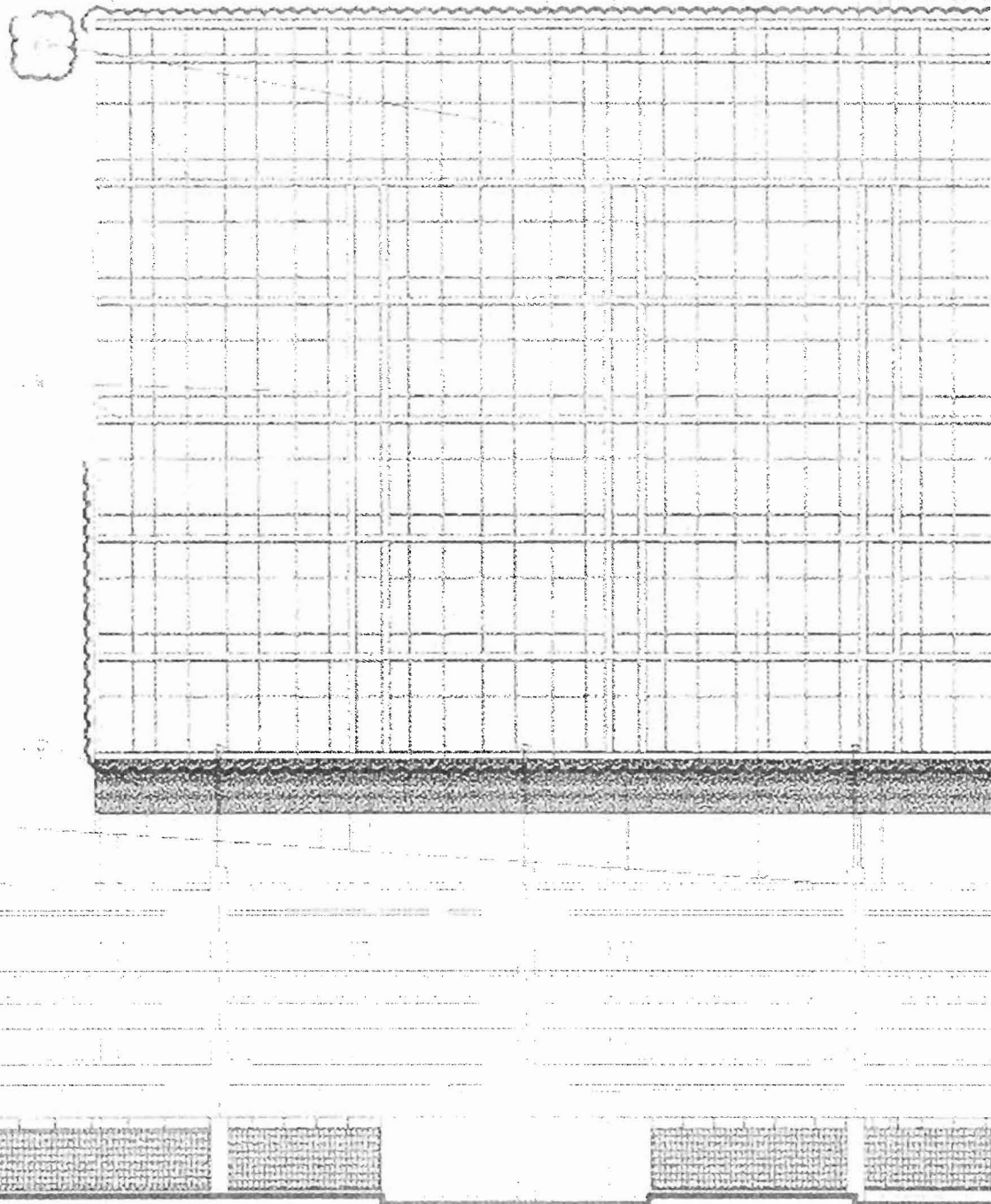
Facade Signage—Southwest Elevation (Preble St. Ext.)	
Square footage of building façade	20775
Square footage allowable by zoning	1038
Square footage of Intermed Set 1 as shown	238.9
Square footage of Winxnet as shown	68.8
Remaining square footage not allocated	730.3



SOUTHWEST ELEVATION (PREBLE ST. EXT.) SHOWING LOCATION OF INTERMED SET NO.1, WINXNET SET NO. 1

SCALE: 1"=20'

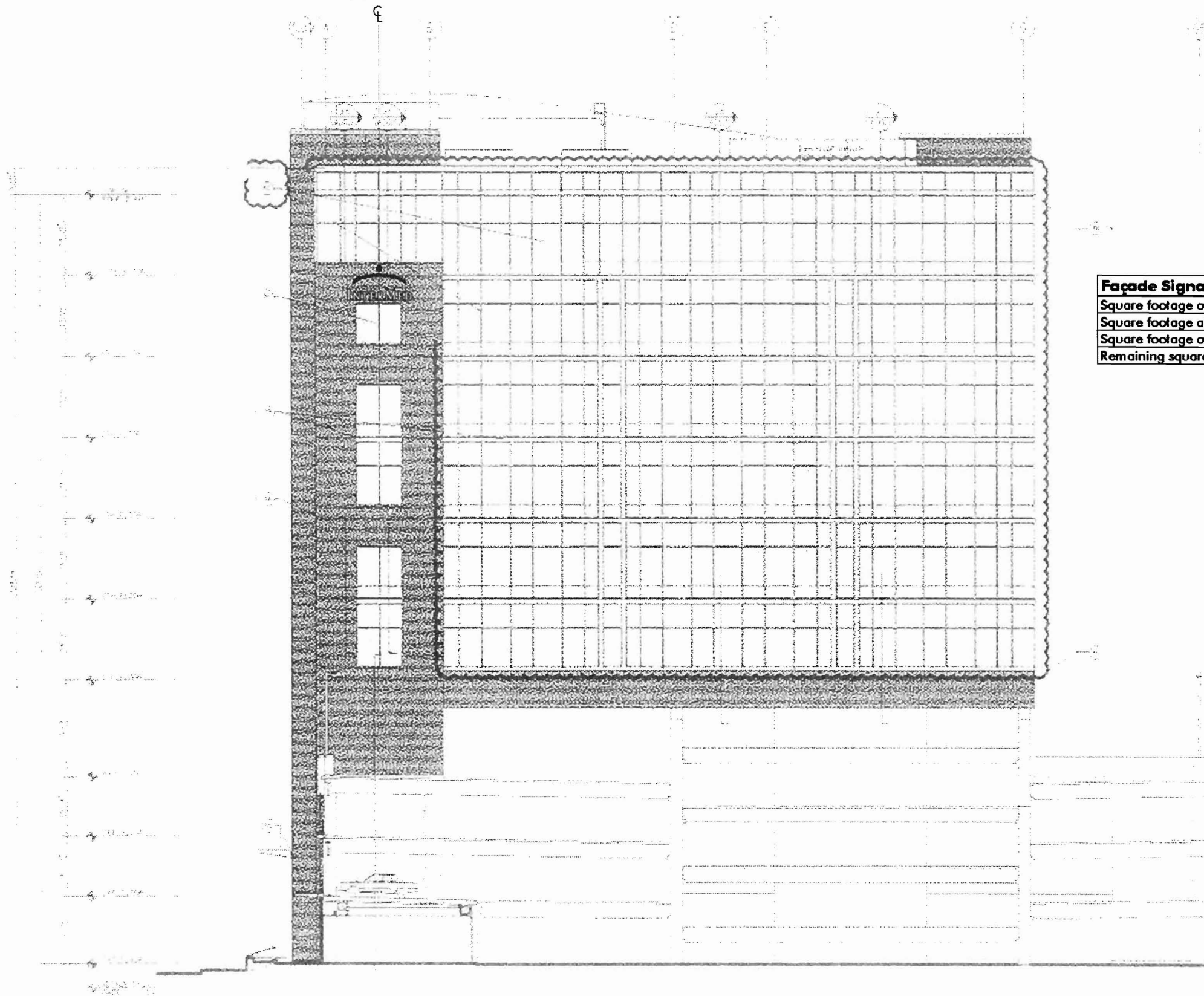
Facade Signage—Northwest Elevation (I-295)	
Square footage of building facade	23856
Square footage allowable by zoning	1192
Square footage of Intermed Set 2 as shown	175.5
Remaining square footage not allocated	1016.5



NORTHWEST ELEVATION (I-295) SHOWING LOCATION OF INTERMED SET NO.2

SCALE: 1"=20'

LOGO & WINDOW



Façade Sign
Square footage of
Square footage of
Square footage of
Remaining square

NORTHEAST ELEVATION SHOWING LOCATION OF INTERMED SET NO.3

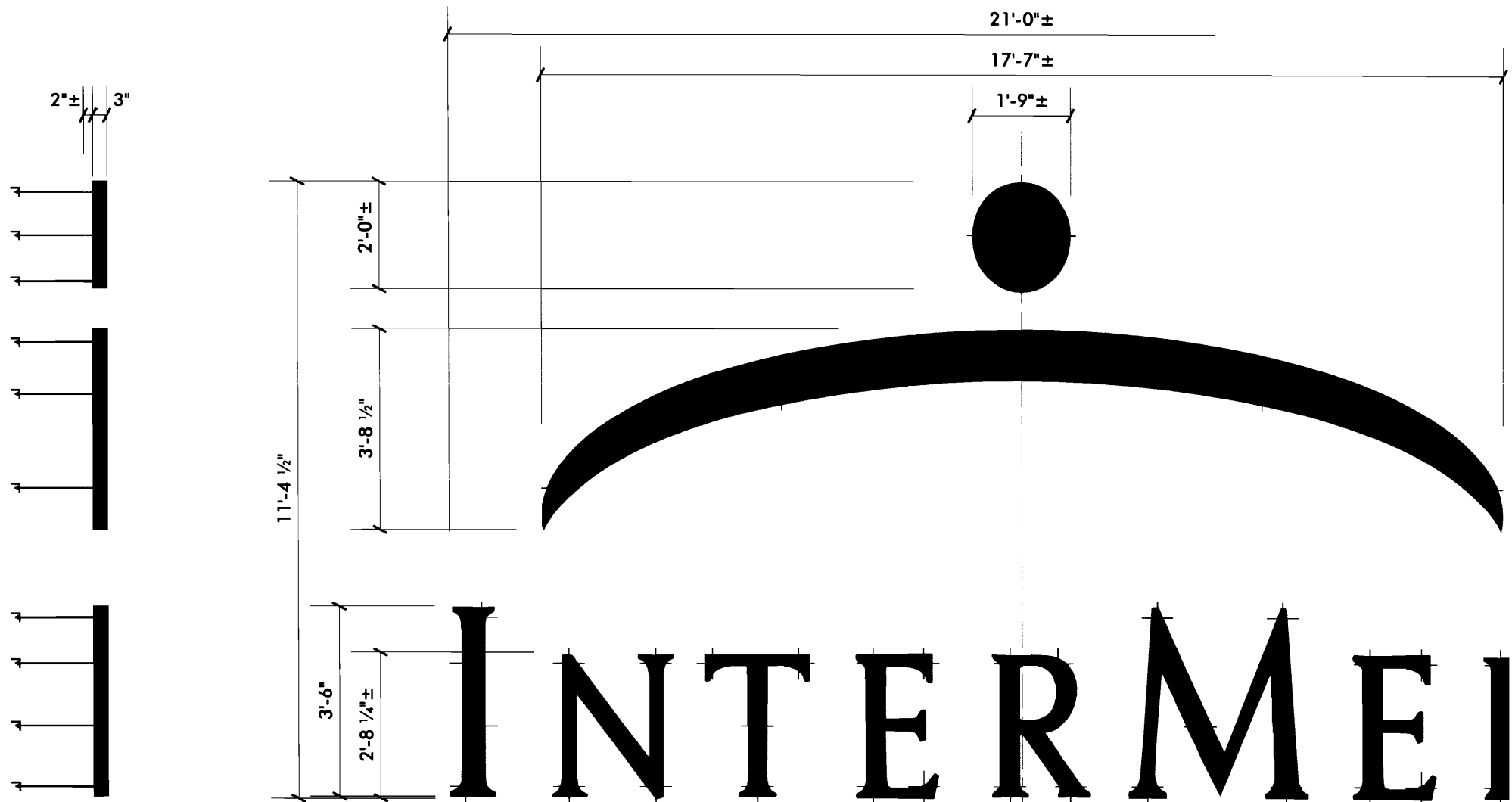
SCALE: 1"=20'



Façade Signa
Square footage of
Square footage of
Square footage of
Remaining square

SOUTHEAST ELEVATION (MARGINAL WAY) SHOWING LOCATION OF DRUMMONDWOODSUM SET 1

SCALE: 1"=20'



END VIEW
NTS

INTERMED SET NO. 1—BACK-LIT FABRICATED WALL LETTERS

SCALE: 3/8"=1'-0" SIGN AREA=238.9 SQ. FT

3 1/2 x 21'

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.)
3	42	1058.4	126	608	73

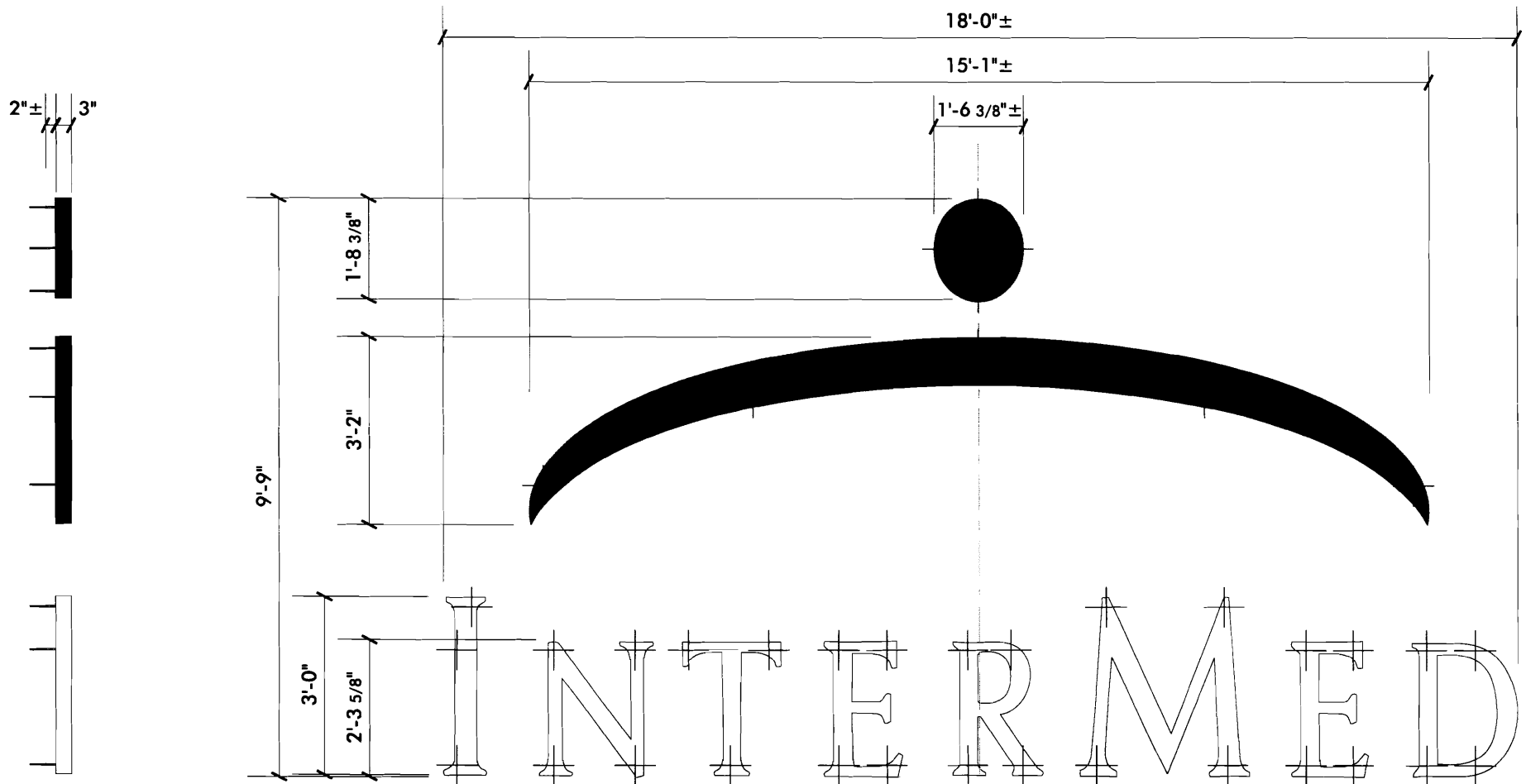
Screw minor thread diameter (in.)	Screw Area (psi/each)	Minimum No. of Screws	Total screws cross-sectional area (sq. in.)	Total Screws Shear Strength lbs.
0.25	0.049	4	0.196	3142

Assumptions and Facts

The point of failure will be the screws in shear at the minor thread diameter. Tensile strength 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.



21' x 11' 1/2"
252" x 136.5" = 34,300
= 238.88



END VIEW

NTS

INTERMED SET NO. 2—BACK-LIT FABRICATED WALL LETTERS

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

SIGN AREA=175.5 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.)
3	36	777.6	108	447	62

Screw minor thread diameter (in.)	Screw Area (psi/each)	Minimum No. of Screws	Total screws cross-sectional area (sq. in.)	Total Screws Shear Strength lbs.
0.25	0.049	3	0.147	2356

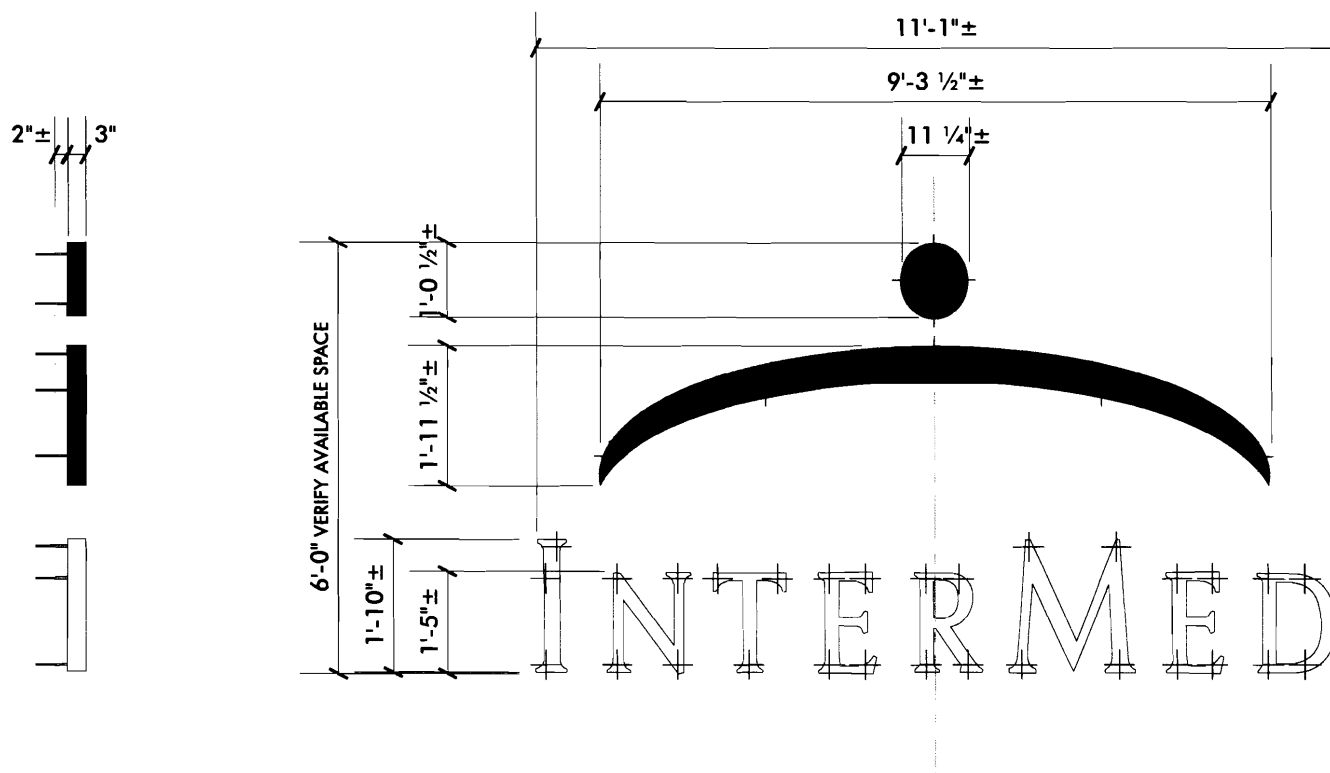
Assumptions and Facts

The point of failure will be the screws in shear at the minor thread diameter. Tensile strength 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.

18' x 9'9"

18' x 9.75' = 175.5 sq ft





LED BACK-LIT FABRICATED
REVERSE CHANNEL ALUMINUM
LOGO (PANTONE 287) AND
LETTERS (WHITE)

277 VOLT PRIMARY ELECTRICAL

1/4" THREADED STAINLESS STEEL
ROD MOUNTING, EPOXY-SET IN
BRICK, (3) MINIMUM PER LETTER

END VIEW

NTS

INTERMED SET NO. 3—BACK-LIT FABRICATED WALL LETTERS

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

SIGN AREA=66.5 SQ. FT

$6' \times 71'1'' =$

$72'' \times 133'' =$

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.)
3	22	290.4	66	167	38

Screw minor thread diameter (in.)	Screw Area (psi/each)	Minimum No. of Screws	Total screws cross-sectional area (sq. in.)	Total Screws Shear Strength lbs.
0.25	0.049	3	0.147	2356

Assumptions and Facts

The point of failure will be the screws in shear at the minor thread diameter. Tensile strength 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.

