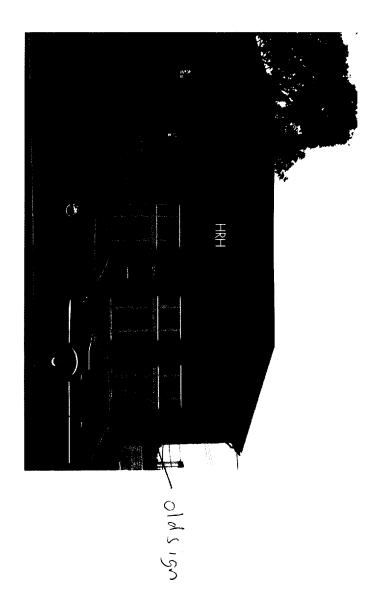


**SIGN NO.1**—DIMENSIONAL WALL GRAPHICS

SCALE: 1"=1'-0"



## NO SCALE CONGRESS STREET ELEVATION

G:\DESIGN\04594HRHCOR)Portland)RFO)Ptld Permit.cdr Friday, November 04, 2005 12:46:39 PM

1/2" THICK ACRYLIC PAINTED TO MATCH CORPORATE LOGO: WHITE, GREEN PMS 376, BLUE PMS 295, ORANGE PMS 173

STUD MOUNTED WITH 1/4" PROJECTION



Screw minor thread diameter (in.)	Letter Depth (in.)
Screw Area (psi/each)	Letter Height (in.) 24.8
Minimum No. of Screws	Face Area (sq.in.) 719.5968
Total screws cross- Total Screws sectional Shear area (sq. in.) Strength lbs 0.245 3927	Side Area (sq.in.)
Total Screws Shear Strength lbs.	144 mph wind Face Load Force (lbs.) 414
	Wind Side Load Force (lbs.) 8

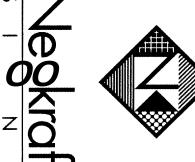
#### LETTERS

Ē	diameter	thread	minor	Screw		0.5	(in.)	Depth	Letter			
(psi/each) Screws	Area	Screw				17.5	(in.)	Height	Letter			
Screws	No. of	Minimum				183.75	(sq.in.)	Area	Face			
5	area (sq.	sectional	cross-	screws	Total	8.75	(sq.in.)	Side Area				
bs	Strength	Shear	Screws	Total		106	(lbs.)	Force	Load	wind Face	144 mph	
						6	(lbs.)	Force	Side Load	Wind		

Assumptions and Facts
The point of failure will be the aluminum screws in shear at the minor thread diameter.

144 mph wind speed is equal to 82.7 lbs./sq. ft. (0.574 lbs./sq.in.). Tensile trength at break for 3003 Aluminum is 16,000 ps. Average face area of a sign letter is  $0.6 \times \text{height}$  squared.





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

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# 4594

PERMIT DRAWING

HRH Corporation

 Gen Ref.:	Date:	Drawn by:	Drawing No.: 1 of 3		Location:	
	11.04.2005	DS	1 of 3	Portland, Maine	959 Congress Street	

# **SIGN NO.2**—DIMENSIONAL WALL GRAPHICS

SCALE: 1"=1'-0"



## NO SCALE ST. JOHN STREET ELEVATION

GO

0.25	(E)	diameter	thread	minor	Screw	0.5	(in.)	Depth	Letter		
<u>ن</u> ة		eter	ad	9	e¥	-	_	<b>÷</b>	ē		
0.049	(psi/each)	Area	Screw			24.8	(in.)	Height	Letter		
51	Screws	No of	Minimum			719.5968	(sq.in.)	Area	Face		
0.245	area (sq. in.)	sectional	cross-	Total screws		12.4	(sq.in.)	Side Area			
3927	Strength lbs.	Shear	Total Screws			414	(lbs.)	Load Force	wind Face	144 mph	
						8	(lbs.)	Load Force	Wind Side		

#### LETTERS

	<u> </u>	Œ.	;	⊋	ω			l	_	0	Γ			
0.25	(m)	diameter	thread	minor	Screw			0.5	3	Depth	Letter			
0.049	(psi/each)	Area	Screw					17.5	(m.)	Height	Letter			
4	Screws	No. of	Minimum					183.75	(sq.in.)	Area	Face			
0.196	n)	area (sq.	sectional	cross-	screws	Total		8.75	(sq.in.)	Side Area				
3142	bs	Strength	Shear	Screws	Total			106	(lbs.)	Force	Load	wind Face	144 mph	
		·					•	65	(lbs.)	Force	Side Load	Wind		

Assumptions and Facts
The point of failure will be the aluminum screws in shear at the minor thread diameter.

144 mph wind speed is equal to 82.7 lbs./sq. ft. (0.574 lbs./sq.in.).
Tensile trength at break for 3003 Aluminum is 16,000 psi.
Average face area of a sign letter is 0.6 x height squared.





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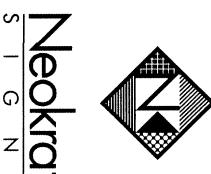
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### 4594 **HRH** Corporation

Gen Ref.:	Date:	Drawn by:	Drawing		Location:	7 F R
The control of the co	11.04.2005	? DS	Drawing No.: 2 of 3	Portland, Maine	959 Congress Street	PERMIT DRAWING

SITE PLAN

SCALE: 1"=20'-0" (VERIFY)



N/F CONSUELO S. LOGAN 4000/215 PLAN REFERENCE 2

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Lewiston, Maine 04240
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N/F DOMINIC REAL 12523/331

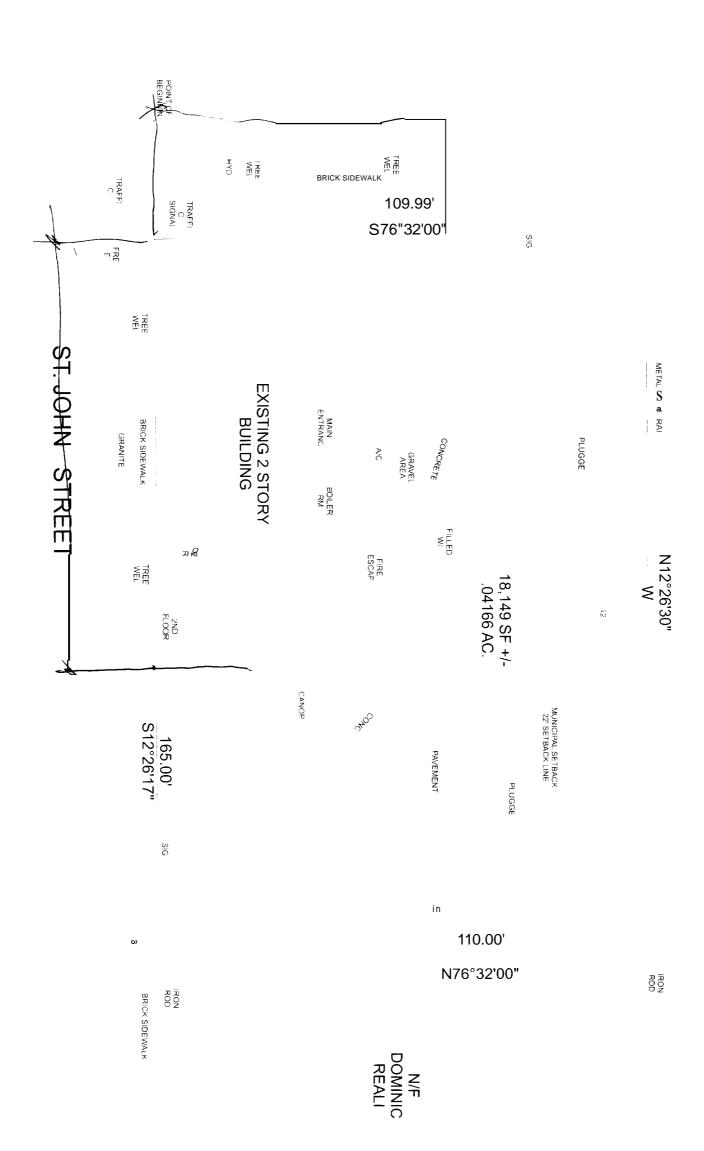
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# **HRH Corporation** 4594

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959 Congress Street	٥
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Location:	959 Congress Street
	Portland, Maine
Drawing No.: 1 of 3	: 1 of 3
Drawn by:	DS
Date:	11.04.2005
Gen Ref.:	

Color profile: Generic CMYK printer profile Composite Default screen

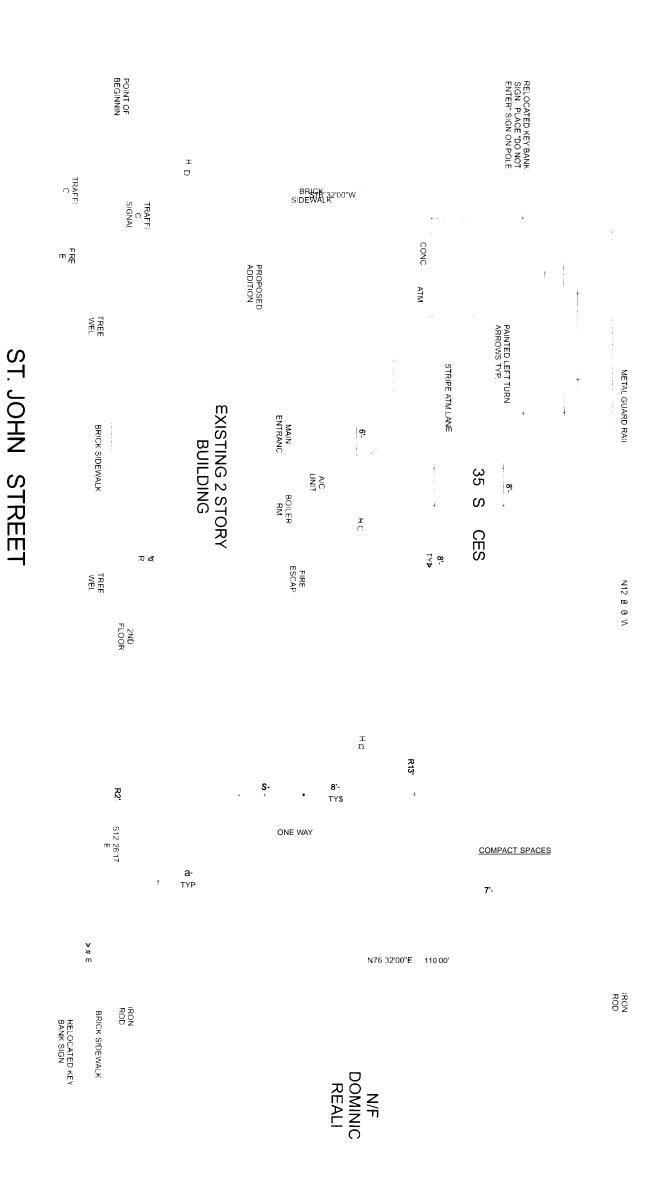


N/F CONSUELO S. LOGAN 4000/215 PLAN REFERENCE 2

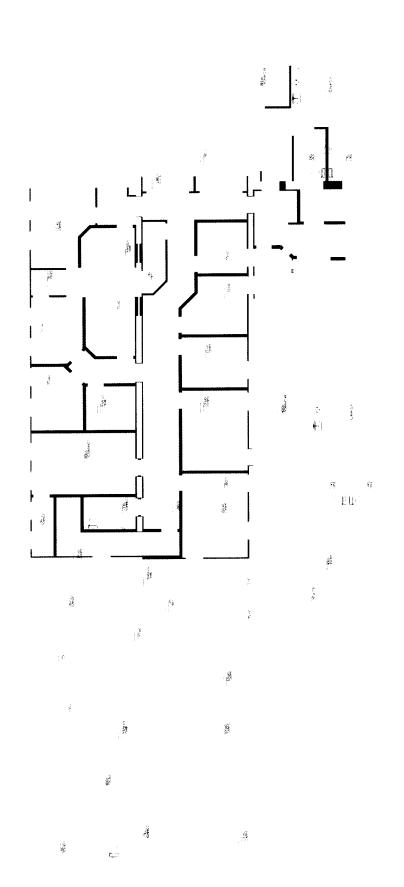
#### CONGRESS

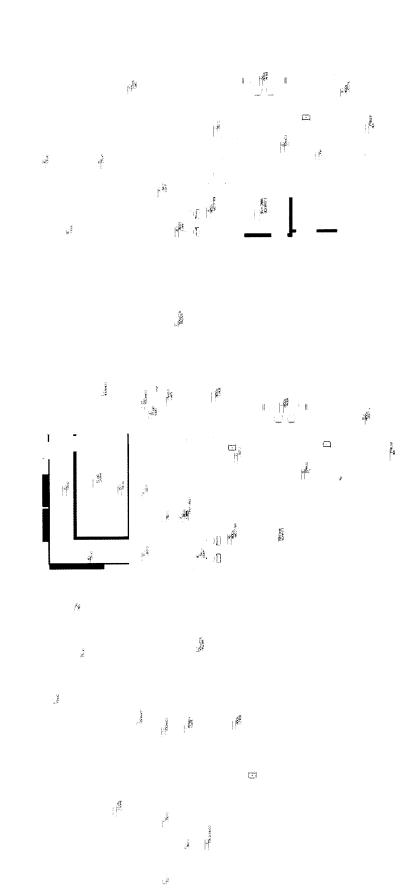
#### ONE WAY TRAFFIC

Color profile: Generic CMYK printer profile Composite Default screen



N/F CONSUELO S. LOGAN 4000/215 PLAN REFERENCE 2





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:XDAT2

OŁŁENDING COWWYND: aefgsay EKKOK: rsudecyeck