

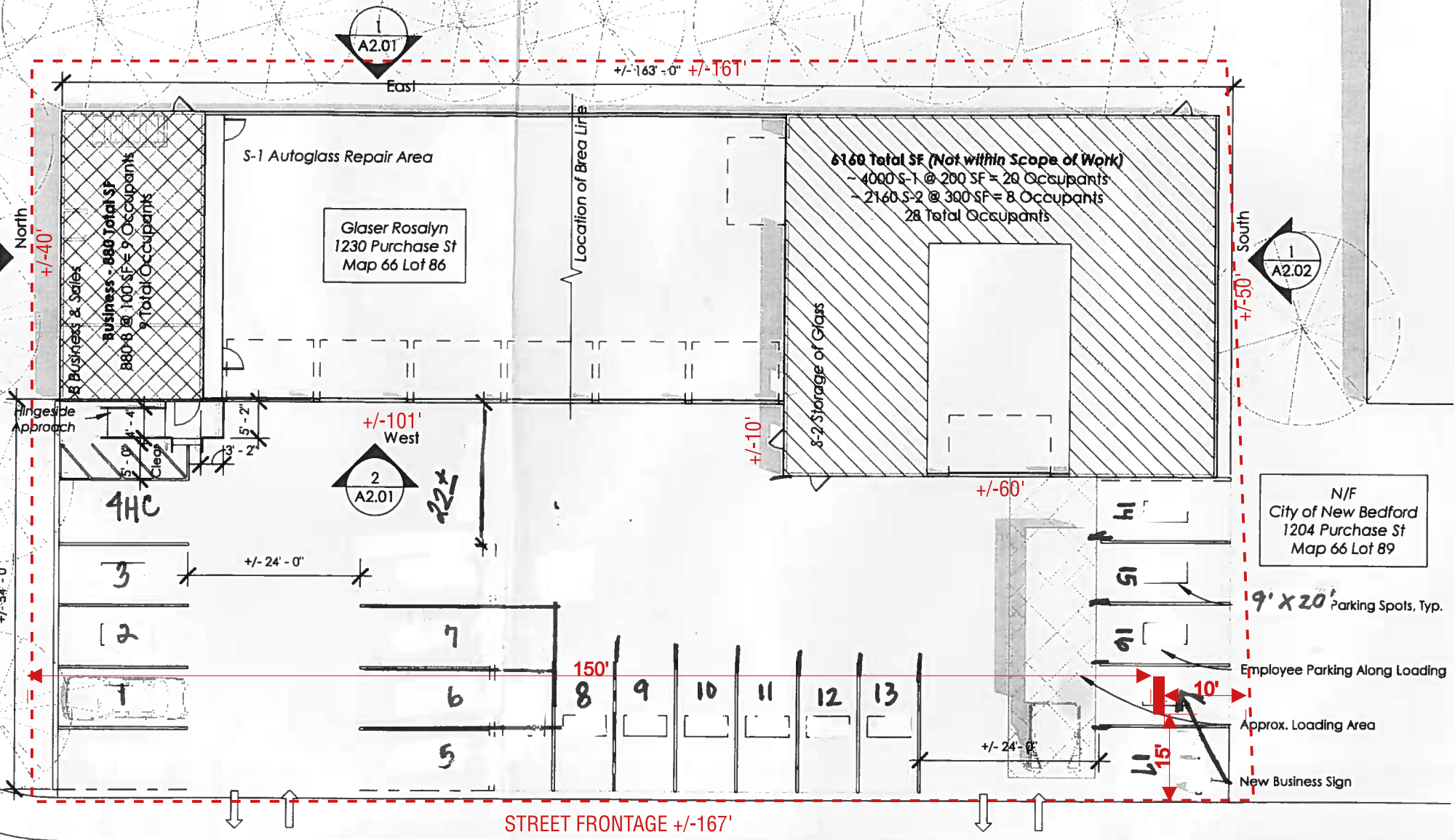
© 2019 8TFive Studio, LLC  
3/18/2020 12:37:28 AM  
2019042 - GLASER GLASS RENOVATION

Rt 18 Offramp

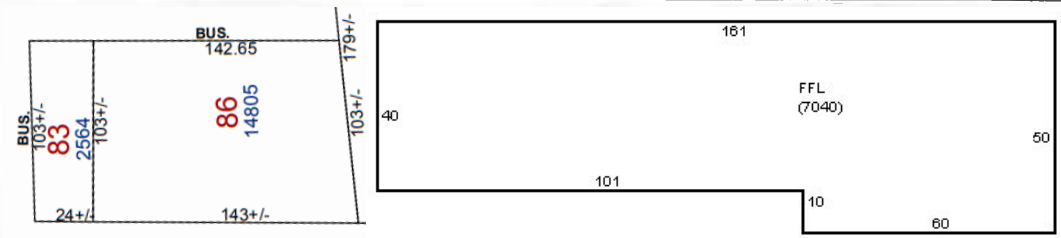
1/16" Graphic Scale

PROPERTY LINE

1 Site - Plan  
Scale: 1/16" = 1'-0"



Purchase Street



**8TFIVE STUDIO**  
architectural design  
16 Jordan Lane  
East FreeTown, MA 02717  
(774) 243-2432 info@8TFive.com

**ARCHITECT STAMP**

**REVISIONS**

<b>ADDRESS</b>	1230 Purchase St. New Bedford 02740
<b>CLIENT</b>	Glaser Glass

**DRAWN BY**  
Neil Silva  
03/17/2020

**Project #**  
2019042

**SCALE**  
1/16" = 1'-0"

**PROJECT STATUS**  
Progress Revision

**Site & Area Plan**

**L1.01**



**1230 PURCHASE STREET  
NEW BEDFORD, MA 02740  
030722 REV 2 PRODUCTION**

**REVISIONS**


<b>DATE:</b>	<b>REVISION # &amp; DESCRIPTION</b>	<b>DESIGNER</b>
03/03/20	REV 1 - ADD SIGN 2.0 CHANNEL LETTERS & SIGN 3.0 PYLON SIGN WITH DOUBLE SIDED CABINET.	JB
03/11/20	REV 2 - ADD AWNING TO ENTRYWAY	JB

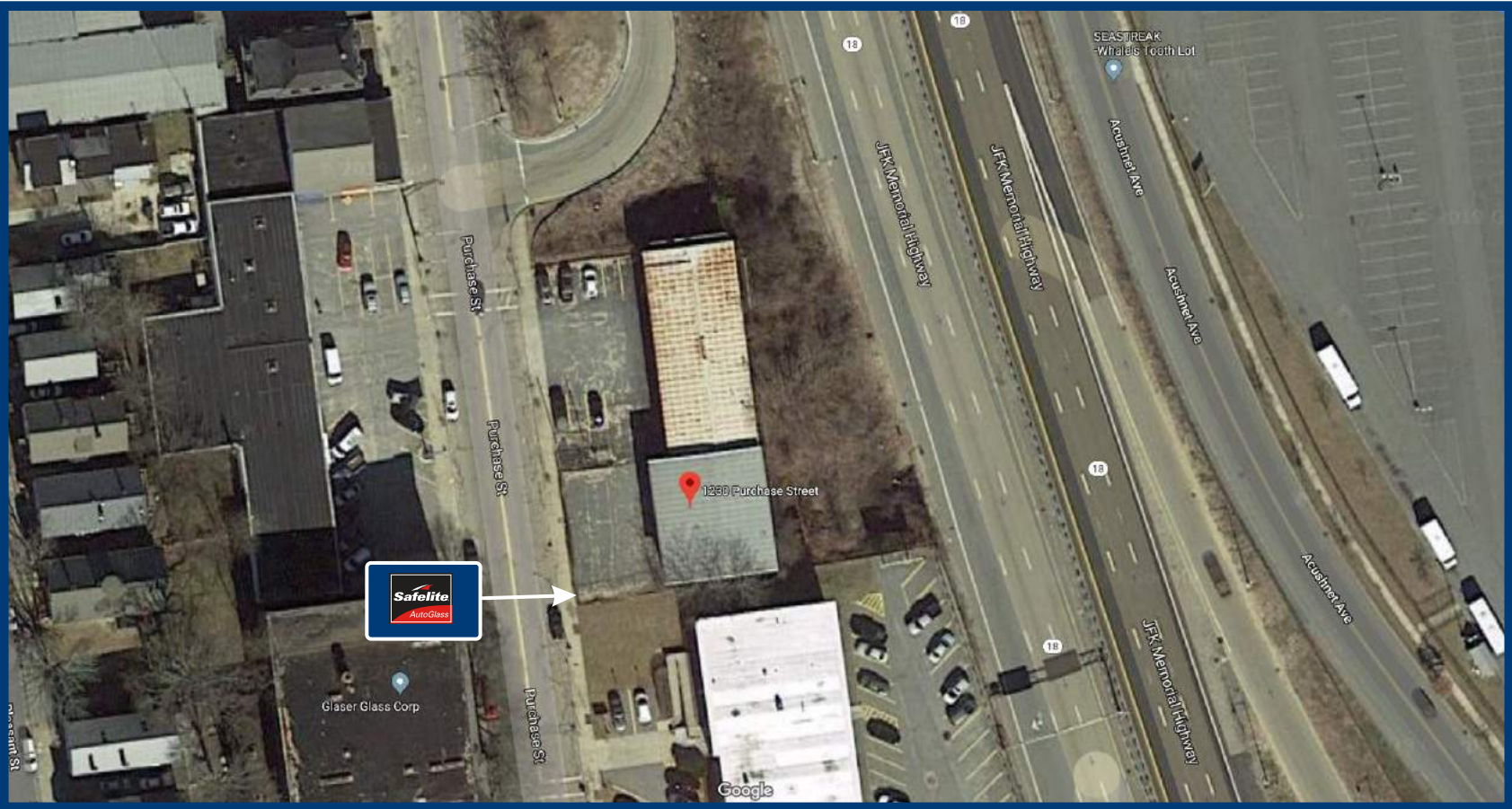


**800.861.8006**  
ADVANCESIGNGROUP.COM



SUMMARY OF SIGNAGE

GRAPHIC	DESCRIPTION	SQ FT
	- ILLUMINATED PYLON SIGN - CABINET W/POLYCARB FACES	20.00



SITE MAP



NORTH

NOT TO SCALE



1230 PURCHASE STREET  
NEW BEDFORD, MA 02740

DRAWING NO.	DATE OF LAST CHANGE:
030722	06/18/20
SUM SITE	REVISION NO.
	P2

APPROVALS

THIS DRAWING SUPERCEDES ALL OTHER DOCUMENTS PROVIDED CONCERNING THE FABRICATION AND INSTALLATION OF THIS DESIGN. A SIGNATURE ANYWHERE ON THE DRAWING WILL BE TAKEN AS APPROVAL OF THE DESIGN AND SPECIFICATIONS AS NOTED.

CLIENT APPROVED SIGNATURE:

DATE:

DESIGN DOCUMENTATION:

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CONSULTANT:
ANDY WASSERSTROM
PROJECT MANAGER:
JANEL H.
DESIGNER:
JB
FILE LOC:
S:\CURRENT PROJECTS\SAFELITE\REBRAND PROJECT\PERM JOBS\NEWBEDFORD, MA 030722\Perm 030722\11 Production Files\030722



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PYLON RENDERING - PROPOSED

NOT TO SCALE



1230 PURCHASE STREET  
NEW BEDFORD, MA 02740

DRAWING NO.	DATE OF LAST CHANGE:
030722	06/18/20
PYLON SIGN	REVISION NO.
	P2

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CONSULTANT:  
ANDY WASSERSTROM

PROJECT MANAGER:  
JANEL H.  
DESIGNER:  
JB

FILE LOC:  
S:\CURRENT PROJECTS\  
SAFELITE\REBRAND PROJECT\  
PERM JOBS\NEWBEDFORD,  
MA\030722\Perm 030722\  
11 Production Files\030722



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**DOUBLE SIDED CABINET SIGN - POLYCARB FACE W/ VINYL**

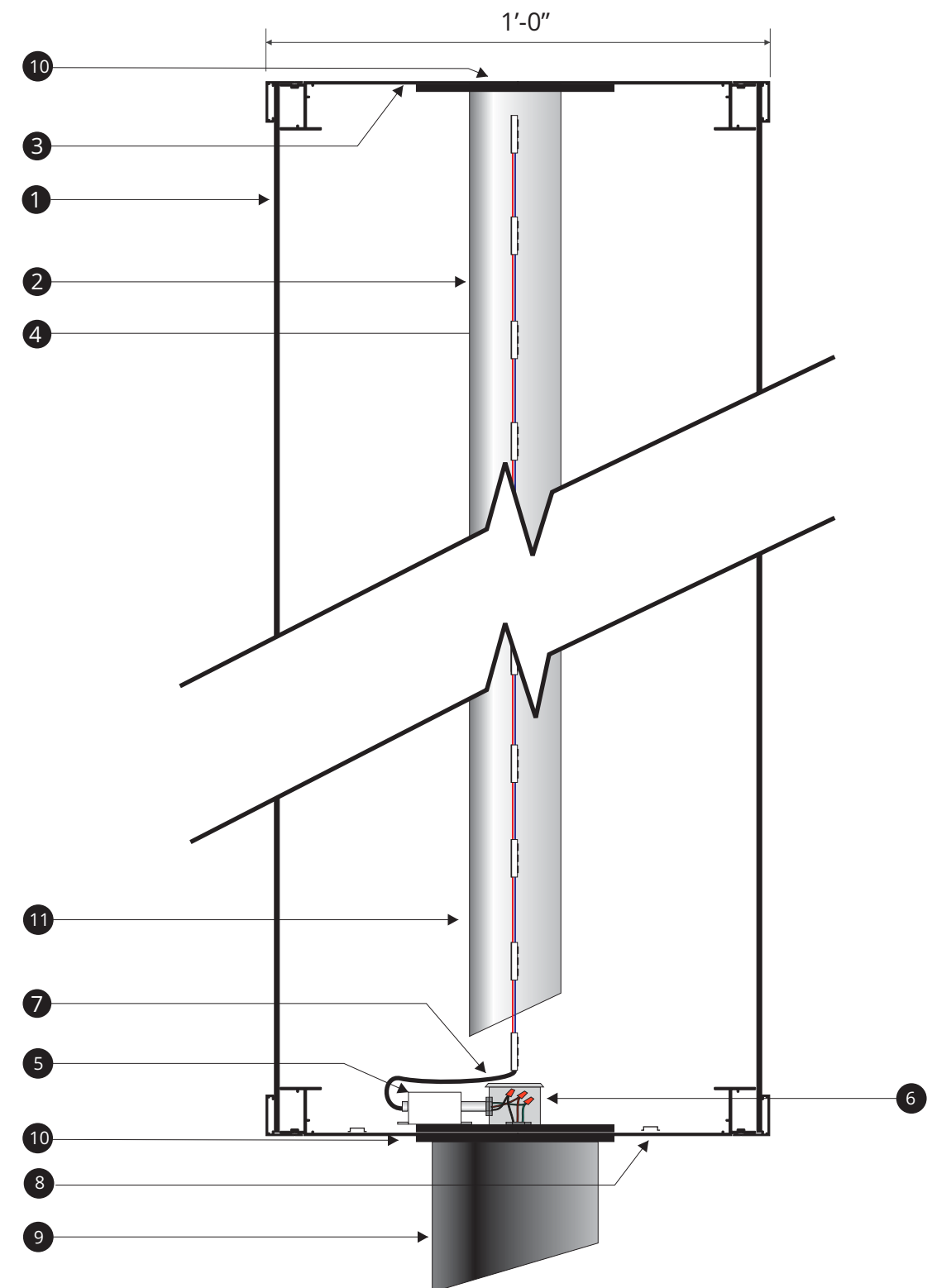
(2) TWO POLYCARB FACES W/ VINYL

**SCALE 3/4" = 1'-0"**

20.00 SQUARE FEET

**SIGN DETAILS - ILLUMINATED SIGN**

- 1 3/16" POLYCARBONATE PANELS W/ FIRST SURFACE BLACK VINYL & 3M 3630-143 POPPY RED VINYL
- 2 LED'S TO BE ON BACK AND CENTER ON PIPE.
- 3 #2058 & #2032 SIGNCOMP EXTRUSION
- 4 WHITE LED AS REQUIRED (QTY & PLACEMENT DETERMINED BY SIGN SIZE)
- 5 REMOTE 120V POWER SUPPLIES MOUNTED INSIDE UL APPROVED METAL BOX W/ DISCONNECT SWITCH
- 6 UL LISTED/RECOGNIZED 18 AWG/2PLTC WIRING AND FIXTURES GOING TO EXISTING POWER
- 7 SIGN TO HAVE AN 8'-0" WHIP, INSTALLER TO SPECIFY IF SPECIFIC LENGTH IS REQUIRED
- 8 EXTERIOR SIGN TO BE MANUFACTURED WITH WEEP HOLES
- 9 POLE BY INSTALLER. POLE SIZE 5 5/8" DIA.
- 10 1/2" THICK STEEL MATCH PLATES. TOP 4 1/2" X 4 1/2". BOTTOM 6 1/2" X 6 1/2".
- 11 4 1/2" DIA. PIPE INSIDE CABINET.



**SECTION DETAIL**

**SCALE: NTS**

**Safelite** AutoGlass  
1230 PURCHASE STREET  
NEW BEDFORD, MA 02740

**DRAWING NO.**

**030722**

**DATE OF**

**LAST CHANGE:**

**06/18/20**

**SIGN**  
**3.0**

**REVISION NO.**

**P2**

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**CONSULTANT:**

ANDY WASSERSTROM

**PROJECT MANAGER:**

JANEL H.

**DESIGNER:**

JB

**FILE LOC:**

S:\CURRENT PROJECTS\  
SAFELITE\REBRAND PROJECT\  
PERM JOBS\NEWBEDFORD,  
MA 030722\Permit 030722\  
11 Production Files\030722

**ASG**  
ADVANCE SIGN GROUP

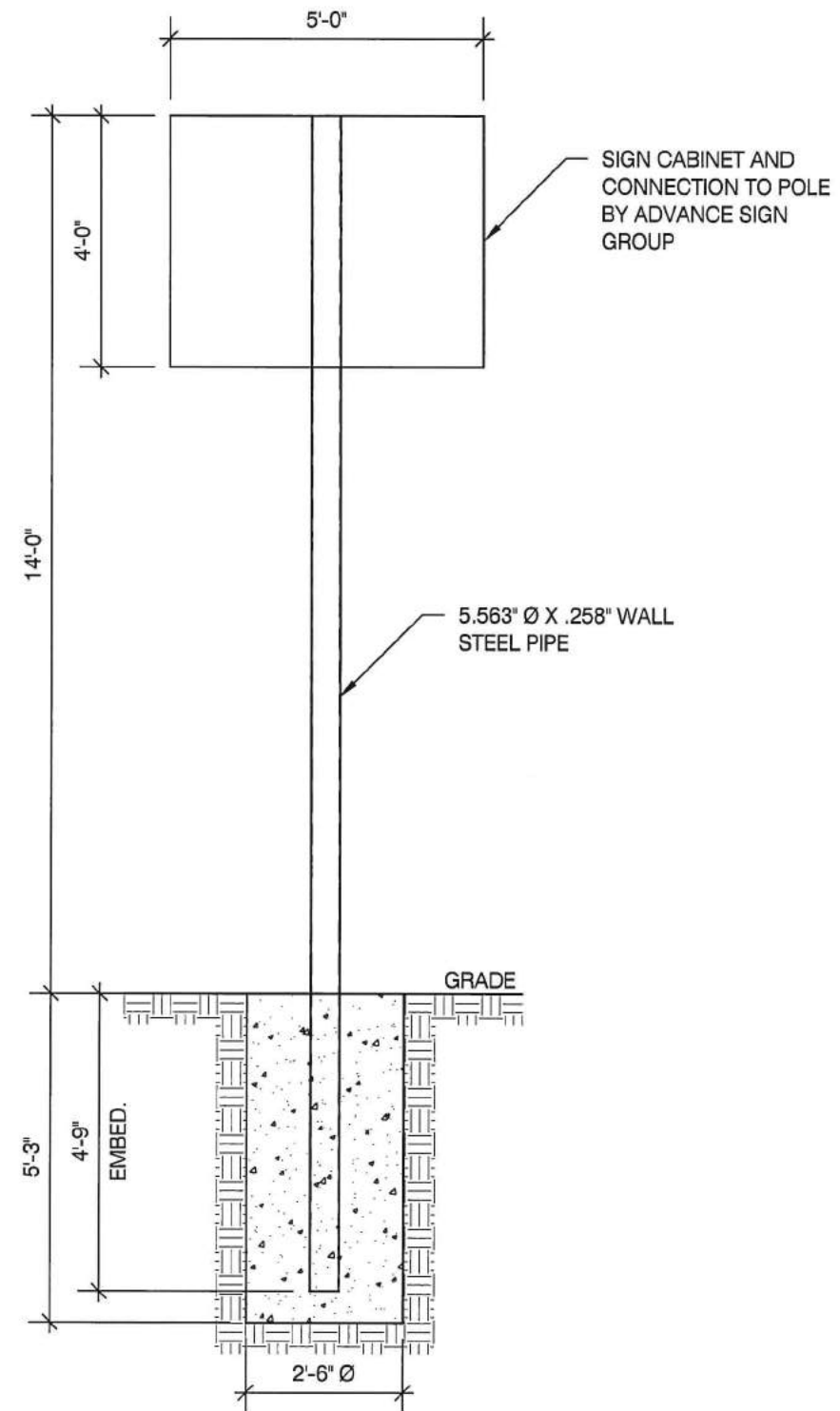
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**GROUND SIGN DESIGN SPECIFICATIONS:**

1. REFER TO SIGN COMPANY'S DRAWINGS FOR MORE DETAILS. ALL DESIGNS, DETAILING FABRICATION AND CONSTRUCTION SHALL CONFORM TO:  
MABC 9TH EDITION (2015 IBC)  
ACI  
AISC  
AMERICAN WELDING SOCIETY  
LOCAL BUILDING CODES & ORDINANCES
2. CONCRETE: 2500 PSI @ 28 DAYS
3. STD. STEEL PIPE SECTION: ASTM A53 GRADE B (Fy=35 KSI), U.N.O.
4. STEEL PIPE SECTION (> 20" Ø): ASTM A252 GRADE 3 (Fy=42 KSI MIN.) U.N.O.
5. HSS ROUND SECTION: ASTM A500 GRADE B (Fy=42 KSI) U.N.O.
6. HSS SQUARE/RECTANGULAR SECTION: ASTM A500 GRADE B (Fy=46 KSI)
7. W SHAPES: ASTM A992 (Fy = 50 KSI)
8. ANCHOR BOLTS: ASTM F1554 GRADE 36 U.N.O. (ALTERNATES GRADE 55 & 105)
9. CONNECTION BOLTS: ASTM A325
10. THREADED RODS: ASTM A193 GRADE B7
11. STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES & PLATES ASTM A36
12. REINFORCING: GRADE 60 ASTM A615
13. PROVIDE A MINIMUM OF THREE INCHES OF CONCRETE COVER OVER EMBEDDED STEEL.
14. THE CONTRACTOR (INSTALLER) IS RESPONSIBLE FOR THE MEANS & METHODS OF CONSTRUCTION IN REGARDS TO JOBSITE SAFETY.
15. NO FIELD HEATING FOR BENDING OR CUTTING OF STEEL SHALL BE ALLOWED WITHOUT THE ENGINEER'S APPROVAL.
16. WELDING ELECTRODES: E70XX
17. ALLOWABLE SOIL BEARING PRESSURE ASSUMED: 2000 PSF
18. ASSUMED HORIZONTAL (PASSIVE PRESSURE) ASSUMED AT 150 PSF/FT OF DEPTH. ISOLATED LATERAL BEARING FOUNDATIONS FOR SIGNS NOT ADVERSELY AFFECTED A 1/2" MOTION AT THE GROUND SURFACE DUE TO SHORT TERM LATERAL LOADS SHALL BE PERMITTED TO BE DESIGNED USING TWO TIMES THE TABULATED CODE VALUES.
19. ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED RESIDUAL SOIL AND/OR ENGINEERED EARTH.
20. FILL COMPACTED TO 98% OF ITS MAXIMUM DRY DENSITY AS PER ASTM D 698-70 (STANDARD PROCTOR) UNLESS NOTED OTHERWISE. THE SOIL BEARING CAPACITY IS TO BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. IF ALLOWABLE BEARING AND/OR LATERAL PRESSURE IS LESS THAN THE ABOVE ASSUMED AND/OR CALCULATED PRESSURES, THE ENGINEER SHOULD BE CONTACTED FOR RE-EVALUATION.
21. EXCAVATION SHALL BE FREE OF LOOSE SOIL BEFORE POURING CONCRETE.
22. WELDERS SHALL BE CERTIFIED FOR THE TYPE OF WELDING.
23. ADEQUATELY BRACE POLE(S) UNTIL CONCRETE HAS SET UP FOR 14 DAYS.
24. GROUT UNDER BASE PLATES WITH NON-SHRINK GROUT.
25. THIS ENGINEER DOES NOT WARRANT THE ACCURACY OF DIMENSIONS FURNISHED BY OTHERS.
26. ALL EXPOSED STEEL SHALL BE PAINTED WITH AN ENAMEL PAINT TO INHIBIT CORROSION.
27. THIS DESIGN IS FOR THE INDICATED ADDRESS ONLY, AND SHOULD NOT BE USED AT OTHER LOCATIONS WITHOUT WRITTEN PERMISSION OF THE ENGINEER.
28. DESIGN OF DETAILS AND STRUCTURAL MEMBERS NOT SHOWN, BY OTHERS.



- NOTES**
- 1.) SEE MANUFACTURERS DRAWINGS FOR ADDITIONAL DETAILS AND DIMENSIONS.
  - 2.) SIGN CABINET AND CONNECTION BY ADVANCE SIGN GROUP.

- \* CLIENT - ADVANCE SIGN GROUP
- \* MABC 9TH EDITION (2015 IBC)
- \* RISK CATEGORY II
- \* 140 MPH WIND SPEED, EXP. C
- \* (1) POLE, (1) FOOTING

FRONT ELEVATION W/ CAISSON FOUNDATION  
SCALE: N.T.S.

1

**DARREN S. ANTLE, P.E.**  
299 N. WEISGARBER RD.  
SUITE #: 104  
KNOXVILLE, TN 37919  
PHONE 865.584.0999  
SIGN-ENGINEER.COM

PROJECT:  
1230 Purchase St., New Bedford, MA  
DRAWING TITLE:  
**Safelite**

DRAWN BY: FCM  
CHECKED BY: DSA  
COMM. NO. 200246.010

DATE: 06/17/20		
REV #	DATE	DRAWN BY

DRAWING NO.  
**DWG. 1**





WIND DATA

Building Code	MABC 9th Edition (Importance Factor, I	1.0	Damping Ratio, $\beta$	0.005	
Wind Load Criteria	ASCE 7-10	Directionality Factor, $K_d$ <sup>(2)</sup>	0.85	Natural Frequency, $n_1$	2.55 Hz
Wind Speed, V	140 mph	Topography Factor, $K_{zt}$	1.0	Gust Effect Factor, G	0.85
Exposure Category	C	Base Pressure, $V(q_s/K_z)$	25.6 psf	ASD Wind Load Factor, $\gamma$ <sup>(3)</sup>	0.6
Wind Pressure Override per Jurisdiction Requirement	0 psf	Notes: (1) Loading values in chart below are based upon calculated on hidden sheet using derived V-M eq			

DEFLECTION ANALYSIS

Deflection Limit	H/60
Deflection at 0.7*W	1.49 in
Deflection Ratio	H/113

Notes: (1) Loading values in chart below are based upon average  $K_z$  values for each segment. Actual values are calculated on hidden sheet using derived V-M equations. Chart is provided for information purposes only.  
(2) Wind directionality ( $K_d$ ) factor is 0.95 for Single Pole (Round) segments instead of 0.85. The  $C_f$  value from Fig. 6-21 has been increased by 0.95/0.85 to account for this variation.  
(3) Wind pressures listed below have already been multiplied by the ASD Wind Load Factor,  $\gamma$ .

GEOMETRY INPUT <sup>(1)</sup>

No. of Poles		1		No. of Footings		1		(3) Wind pressures listed below have already been multiplied by the ASD Wind Load Factor, γ.									
Section	Location	Type	Height	Width	Horiz. Offset	Area	Top Elev.	Centroid	K <sub>i</sub>	C <sub>f</sub>	Wind Press.	Support Pole Loads			Footing Loads		
			ft	ft	ft		sq ft	ft				ft	Trib. Factor	Shear kips	Moment k-ft	Trib. Factor	Shear kips
1	Base	Single Pole (Round)	10.00	0.55		5.5	10.0	5.0	0.85	1.34	24.8	1.0	0.1	0.7	1.0	0.1	0.7
2		Single Pole w/ Cabinet	4.00	5.00		20.0	14.0	12.0	0.85	1.79	33.0	1.0	0.7	7.9	1.0	0.7	7.9
3		None				0.0	14.0	14.0	0.85	1.46	27.0	0.0	0.0	0.0	0.0	0.0	0.0
4		None				0.0	14.0	14.0	0.85	1.46	27.0	0.0	0.0	0.0	0.0	0.0	0.0
5		None				0.0	14.0	14.0	0.85	1.46	27.0	0.0	0.0	0.0	0.0	0.0	0.0
6		None				0.0	14.0	14.0	0.85	1.46	27.0	0.0	0.0	0.0	0.0	0.0	0.0
7		None				0.0	14.0	14.0	0.85	1.46	27.0	0.0	0.0	0.0	0.0	0.0	0.0
8		None				0.0	14.0	14.0	0.85	1.46	27.0	0.0	0.0	0.0	0.0	0.0	0.0
9		None				0.0	14.0	14.0	0.85	1.46	27.0	0.0	0.0	0.0	0.0	0.0	0.0
10		Top	None				0.0	14.0	14.0	0.85	1.46	27.0	0.0	0.0	0.0	0.0	0.0
Overall Height:			14.00 ft		Summation based upon averages above:							0.8	8.6	0.8	8.6		
			Actual base reactions based upon V-M equations:							0.8	8.7	0.8	8.7				

SUPPORT POLE DESIGN SUMMARY

MATERIAL = STEEL																	
Base Elev ft	Section	Axis	Required Strength Values (ASD)				Allowable Strength Values (ASD)				Unity Ratios				Interaction Ratios		Status
			$V_r$ kips	$M_r$ kip-ft	$T_r$ kip-ft	$P_r$ kips	$V_c$ kips	$M_c$ kip-ft	$T_c$ kip-ft	$P_c$ kips	$V_r/V_c$	$M_r/M_c$	$T_r/T_c$	$P_r/P_c$	P-M	P-M-V-T	
0.00	5.563 $\Phi$ x 0.258 Wall	Strong	0.8	8.7	0.7	0.4	28.1	11.9	11.2	19.0	2.9%	73.5%	6.1%	2.1%	75.3%	0.0%	OK
0.00	None	Strong	0.8	8.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	OK
0.00	None	Strong	0.8	8.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	OK
0.00	None	Strong	0.8	8.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	OK
0.00	None	Strong	0.8	8.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	OK
0.00	None	Strong	0.8	8.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	OK
0.00	None	Strong	0.8	8.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	OK
0.00	None	Strong	0.8	8.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	OK
0.00	None	Strong	0.8	8.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	OK
0.00	None	Strong	0.8	8.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	OK
0.00	None	Strong	0.8	8.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	OK

FOUNDATION DESIGN SUMMARY

Type	Diameter ft	Width ft	Thickness ft	Length ft	Depth ft	Volume CY	Reinforcing	Status	Allowable Soil Pressure
<input checked="" type="checkbox"/> Caisson	2.50	--	--	--	5.25	0.95		OK	300 psf/ft
<input type="checkbox"/> Vertical Slab									
<input type="checkbox"/> Spread									

NOTES

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- \* 140 MPH WIND SPEED, EXP. C
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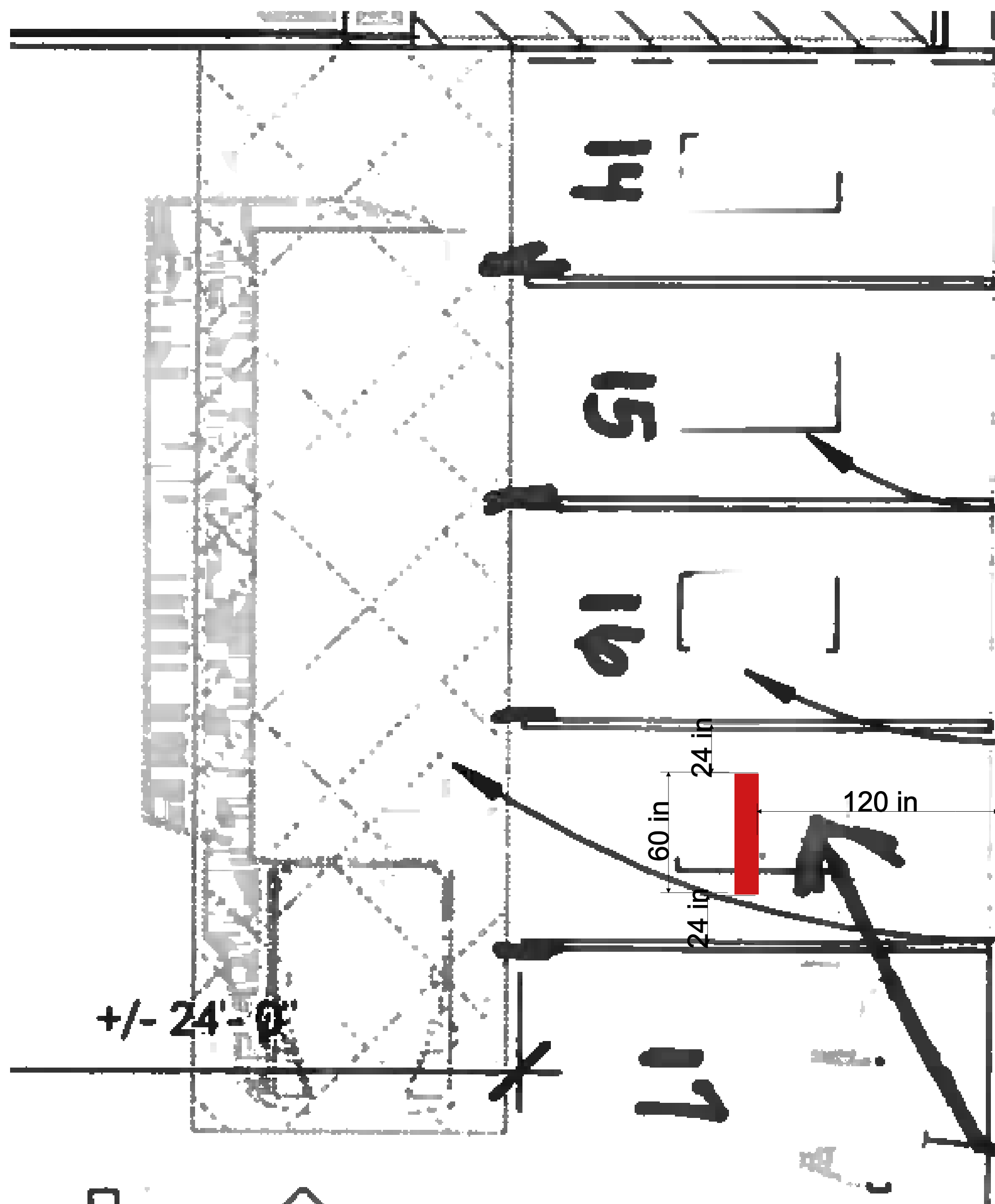
REV #	DATE	DRAWN BY

DRAWING NO.  
DWG.

2







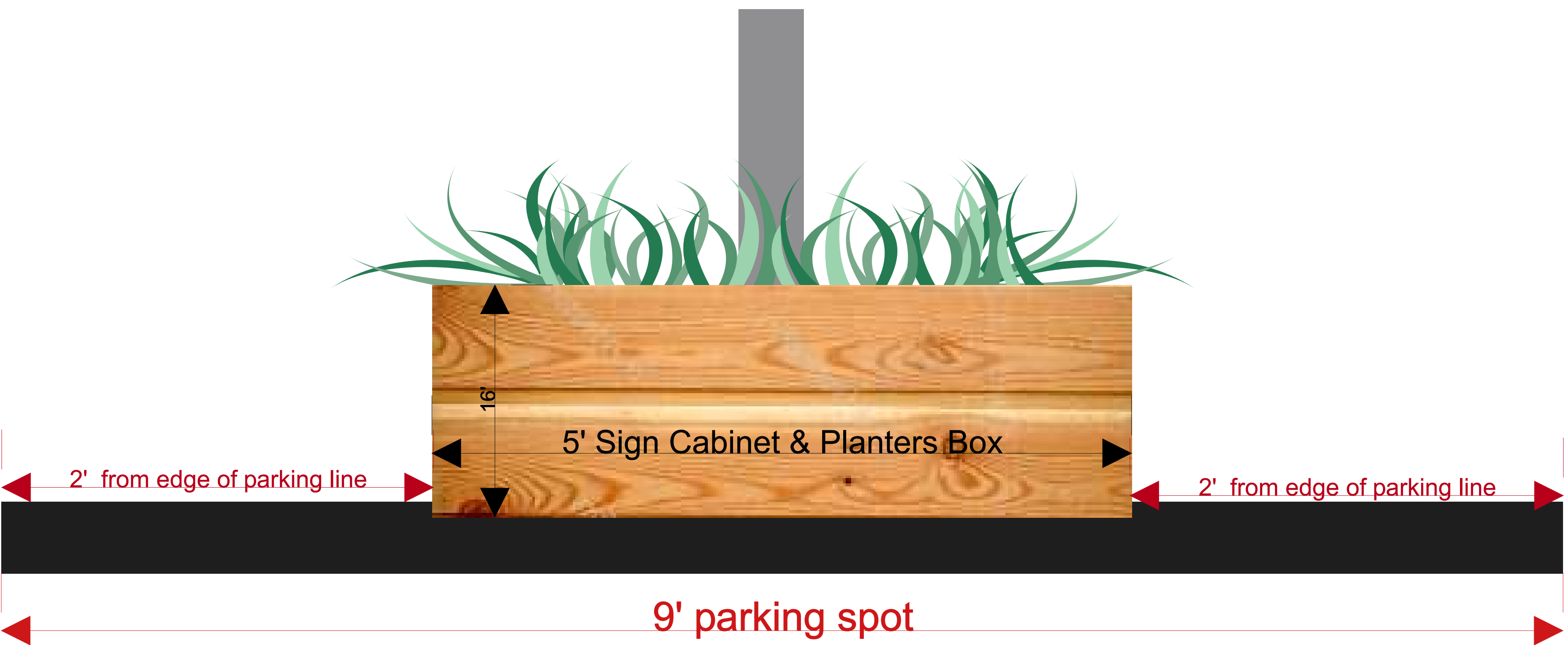
N/F  
City of New Bedford  
1204 Purchase St  
Map 66 Lot 89

9' x 20' Parking Spots, Typ.

Employee Parking Along Loading

Approx. Loading Area

New Business Sign



PROCEED TO PRODUCTION ☐ REQUIRED

CLIENT AUTHORIZED SIGNATURE DATE

PROCEED TO PRODUCTION ☐ REQUIRED

AUTHORIZED SIGNATURE DATE



**PROSIGN**  
GRAPHICS, LLC

65 Belmont Street, South Easton, Ma 02375  
phone: 508-339-5289  
email: anna@prosigngraphics.com  
website: www.ProSignGraphics.com

CLIENT: SAFELITE AUTOGLASS

Invoice:	Production Notes:	Installation: Yes; 1230
Due Date:		Purchase St, New Bedford