



**TOWN OF HENRIETTA
APPLICATION TO THE ZONING BOARD OF APPEALS
FOR AN AREA VARIANCE**

Appeal No ZBA-2024-005

Date 2-28-2024

I (we) Kirk Wright of Sign and Lighting Services LLC PO Box 597
Name of Applicant / Business Business (Number & Street)

Ontario NY 14519 hereby appeal to the Zoning Board of Appeals from the decision
Town, State, Zip

of the Building Inspector, whereby the Building Inspector did deny grant a permit relating to the below property.

<u>1300 Hylan Dr</u> <small>No & Street</small>	<u>Rochester</u> <small>City</small>	<u>NY</u> <small>State</small>	<u>14623</u> <small>Zip Code</small>
<u>161.16-1-2.12</u> <small>Tax Map No.</small>		<u>PCD</u> <small>Zoning District</small>	

PROVISION(S) OF THE ZONING ORDINANCE APPEALED, (Indicate the article, section and paragraph of the Zoning Ordinance being appealed) 224-8B(1)
Number Only (Do not quote the ordinance)

Description of Proposal: Install second wall sign, one allowed (reference sign B)

Applicant should answer all statements regarding this application on page 2. Incomplete applications shall not be acted upon.

Received by: CCM Agent / Application: Kirk Wright / Melissa Driskell

Reviewed by: CEM Howitt Address: PO Box 597

Date of Meeting: APRIL 3RD, 2024 Ontario NY 14519

Phone #: [REDACTED]

Email: [REDACTED]

Signature: Melissa Driskell
NOTE: If signature is other than owner written authorization from owner must accompany application

APPLICANT OR REPRESENTATIVE MUST BE PRESENT AT THE MEETING
PLEASE PRINT ALL INFORMATION

APPLICATION FOR ZONING BOARD OF APPEALS

Legal Notice to Read

Application of

requesting a variance for a

whereas

is allowed by code on property located at

Application Information	
Meeting Date	<input type="text" value="April 3rd, 2024"/>
Received By	<input type="text" value="CCM"/>
Date Received	<input type="text" value="February 28th, 2024"/>
Fee Amoun Paid	<input type="text" value="\$250.00"/>
Check #	<input type="text" value="18955"/>



**TOWN OF HENRIETTA
APPLICATION TO THE ZONING BOARD OF APPEALS
FOR AN AREA VARIANCE**

Appeal No ZBA-2024-006

Date 2-28-2024

I (we) Kirk Wright of Sign and Lighting Services LLC PO Box 597
Name of Applicant / Business Business (Number & Street)

Ontario NY 14519 hereby appeal to the Zoning Board of Appeals from the decision
Town, State, Zip

of the Building Inspector, whereby the Building Inspector did deny grant a permit relating to the below property.

<u>1300 Hylan Dr</u> <small>No. & Street</small>	<u>Rochester</u> <small>City</small>	<u>NY</u> <small>State</small>	<u>14623</u> <small>Zip Code</small>
<u>161.16-1-2.12</u> <small>Tax Map No.</small>	<u>PCD</u> <small>Zoning District</small>		

PROVISION(S) OF THE ZONING ORDINANCE APPEALED, (Indicate the article, section and paragraph of the Zoning Ordinance being appealed) 224-8B(1)
Number Only (Do not quote the ordinance)

Description of Proposal: Install third wall sign, one allowed (reference sign C)

Applicant should answer all statements regarding this application on page 2. Incomplete applications shall not be acted upon.

Received by: CCM Agent / Application: Kirk Wright / Melissa Driskell

Reviewed by: Cem How Address: PO Box 597

Date of Meeting: APRIL 3RD, 2024 Ontario NY 14519

Phone # [REDACTED]

Email: [REDACTED]

Signature: Melissa Driskell

NOTE: If signature is other than owner, written authorization from owner must accompany application

APPLICANT OR REPRESENTATIVE MUST BE PRESENT AT THE MEETING
PLEASE PRINT ALL INFORMATION

APPLICATION FOR ZONING BOARD OF APPEALS

Legal Notice to Read

Application Of

requesting a variance for a

whereas

is allowed by code on property located at

Application Information	
Meeting Date	<input type="text" value="April 3rd, 2024"/>
Received By	<input type="text" value="CCM"/>
Date Received	<input type="text" value="February 28th, 2024"/>
Fee Amoun Paid	<input type="text" value="\$100.00"/>
Check #	<input type="text" value="18955"/>



**TOWN OF HENRIETTA
APPLICATION TO THE ZONING BOARD OF APPEALS
FOR AN AREA VARIANCE**

Appeal No ZBA-2024-007

Date 2-28-2024

I (we) Kirk Wright of Sign and Lighting Services LLC PO Box 597
Name of Applicant / Business Business (Number & Street)

Ontario NY 14519 hereby appeal to the Zoning Board of Appeals from the decision
Town, State, Zip

of the Building Inspector, whereby the Building Inspector did deny grant a permit relating to the below property.

<u>1300 Hylan Dr</u> <small>No. & Street</small>	<u>Rochester</u> <small>City</small>	<u>NY</u> <small>State</small>	<u>14623</u> <small>Zip Code</small>
<u>161.16-1-2.12</u> <small>Tax Map No.</small>	<u>PCD</u> <small>Zoning District</small>		

PROVISION(S) OF THE ZONING ORDINANCE APPEALED, (Indicate the article, section and paragraph of the Zoning Ordinance being appealed) 224-8B(1)
Number Only (Do not quote the ordinance)

Description of Proposal: Install fourth wall sign, one allowed (reference sign D)

Applicant should answer all statements regarding this application on page 2. Incomplete applications shall not be acted upon.

Received by: CCM Agent / Application: Kirk Wright / Melissa Driskell

Reviewed by: CEM HOW Address: PO Box 597

Date of Meeting: APRIL 3RD, 2024 Ontario NY 14519

Phone #: [REDACTED]

Email: [REDACTED]

Signature: *Melissa Driskell*

NOTE: If signature is other than owner, written authorization from owner must accompany application

APPLICANT OR REPRESENTATIVE MUST BE PRESENT AT THE MEETING
PLEASE PRINT ALL INFORMATION

APPLICATION FOR ZONING BOARD OF APPEALS

Legal Notice to Read

Application of

requesting a variance for a

whereas

is allowed by code on property located at

Application Information

Meeting Date	<input type="text" value="April 3rd, 2024"/>
Received By	<input type="text" value="CCM"/>
Date Received	<input type="text" value="February 28th, 2024"/>
Fee Amoun Paid	<input type="text" value="\$100.00"/>
Check #	<input type="text" value="18955"/>



TOWN OF HENRIETTA
APPLICATION TO THE ZONING BOARD OF APPEALS
FOR AN AREA VARIANCE

Appeal No. ZBA-2024-0088

Date 2-28-2024

I (we) Kirk Wright of Sign and Lighting Services LLC PO Box 597
Name of Applicant / Business Business (Number & Street)

Ontario NY 14519 hereby appeal to the Zoning Board of Appeals from the decision
Town, State, Zip

of the Building Inspector, whereby the Building Inspector did deny grant a permit relating to the below property.

<u>1300 Hylan Dr</u> <small>No. & Street</small>	<u>Rochester</u> <small>City</small>	<u>NY</u> <small>State</small>	<u>14623</u> <small>Zip Code</small>
<u>161.16-1-2.12</u> <small>Tax Map No.</small>	<u>PCD</u> <small>Zoning District</small>		

PROVISION(S) OF THE ZONING ORDINANCE APPEALED, (Indicate the article, section and paragraph of the Zoning Ordinance being appealed) 224-5B 8B(1)
Number Only (Do not quote the ordinance)

Description of Proposal: Install second pole sign, one allowed (Reader Board; reference sign ^G / _F)

Applicant should answer all statements regarding this application on page 2. Incomplete applications shall not be acted upon.

Received by: CCM Agent / Application: Kirk Wright / Melissa Driskell

Reviewed by: CEM Hout Address: PO Box 597

Date of Meeting: APRIL 3RD, 2024 Ontario NY 14519

Phone #: [REDACTED]

Email: [REDACTED]

Signature: Melissa Driskell
NOTE: If signature is other than owner, written authorization from owner must accompany application

APPLICANT OR REPRESENTATIVE MUST BE PRESENT AT THE MEETING
PLEASE PRINT ALL INFORMATION

APPLICATION FOR ZONING BOARD OF APPEALS

Legal Notice to Read

Application Of

requesting a variance for a

whereas

is allowed by code on property located at

Application Information

Meeting Date	<input type="text" value="April 3rd, 2024"/>
Received By	<input type="text" value="CCM"/>
Date Received	<input type="text" value="February 28th, 2024"/>
Fee Amoun Paid	<input type="text" value="\$100.00"/>
Check #	<input type="text" value="18955"/>

- 1) Whether an undesirable change will be produced in the character of the neighborhood or a detriment to nearby properties will be created by the granting of the area variance.

There will be no undesirable affects as this is a commercial district and the surrounding business(es) have comparable signage

- 2) Whether the benefit sought by the applicant can be achieved by some method, feasible for the applicant to pursue other than an area variance.

It can not. It is necessary to have clear signage on the buildings elevations for clear brand recognition as well as being able to clearly be seen from the street

- 3) Whether the requested area variance is substantial.

It is not as the signage requested is comparable to other businesses in the area

- 4) Whether the proposed variance will have an adverse effect or impact on the physical or environmental conditions in the neighborhood or district.

There will be no adverse effects physically or environmentally as this is signage consistent with the current surrounding businesses

- 5) Whether the alleged difficulty was self-created, which consideration shall be relevant to the decision of the board of appeals, but shall not necessarily preclude the granting of the area variance.

It was not. This is a standard sign package being used in various locations throughout the state/region

**Statement of Applicant and Owner with Respect to Reimbursement
of Professional and Consulting Fees**

In conjunction with an application made to the Town of Henrietta, the undersigned states, represents and warrants the following:


- 1) I/We am/are the applicant and owner with respect to an application to the Town of Henrietta.
- 2) I/We have been advised of, are aware of and agree to comply with the obligation to reimburse the Town of Henrietta for any and all professional and consulting fees incurred by the Town in conjunction with this and any other applications by me/us, including but not limited to engineering and/or legal fees, all as more fully set forth in the Henrietta Town Code.
- 3) I/We have been provided with, or have otherwise reviewed the Henrietta Town Code provisions related to the obligation to reimburse the Town with respect to professional and consulting fees, and agree to comply with the same.
- 4) I/We understand that this obligation shall not be dependent upon the approval or success of the application.
- 5) I/We further agree that in the event the Town of Henrietta is required to refer for collection an outstanding debt for such professional and/or consulting fees due to the Town of Henrietta, I/we shall be obligated to pay the reasonable attorney's fees incurred as a result of the Town's efforts to collect such fees. Reasonable attorney's fees shall also include any and all disbursements that may result from the commencement of litigation.
- 6) Each party to the application, including the applicant and the owner, shall be jointly and severally liable for all consulting and professional fees and expenses incurred in conjunction with the application.

Applicant: Sign & Lighting Services LLC

By: Kirk Wright

Title: Owner

Dated: 01/25/24

Signed: 

Owner: Quattro Henrietta, LLC

By: Michael Liyeos

Title: Member-Manager

Dated: 01/25/24

Signed: 



SIGN AND LIGHTING SERVICES LLC

Property Owner's Letter of Authorization

To Whom It May Concern,
I/we of the property below hereby authorize Sign & Lighting Services LLC, installer/agent, **Kirk Wright**, to submit a building/sign permit application in my/our behalf for a permit and installation of signs on _____ the property located at:

Business Name: Take 5 Oil Change

Address: 1300 Hylan Dr Rochester NY 14623

Tax Map ID# 161.16-1-2.12

Please Print Property Owner's Information

Property Owner Name: Quattro Henrietta, LLC

Address: 1100 Jorie Blvd, Suite 140

City: Oak Brook

State: IL

Zip Code: 60653

Phone: [REDACTED]

Email: [REDACTED]

Print Owners Name: *ROBERT WALTERS*

Owner's Signature: *[Signature]*

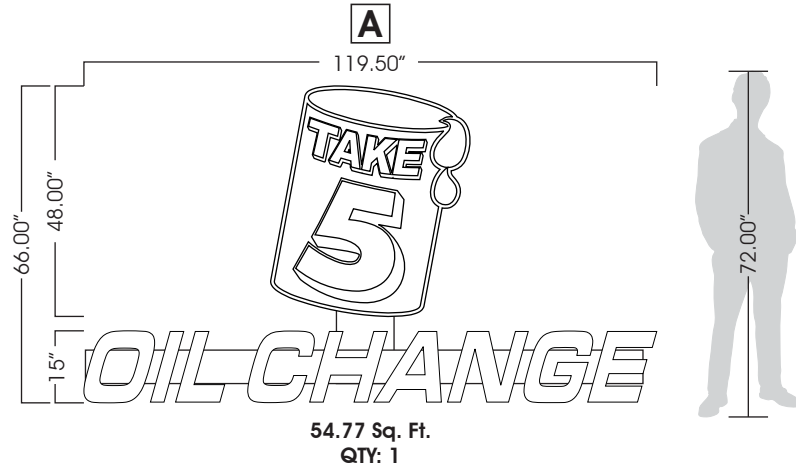
Date: *9/18/23*

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**WEST ELEVATION
TAKE 5
OIL CHANGE
1300 Hylan Dr
Henrietta, NY 14623**

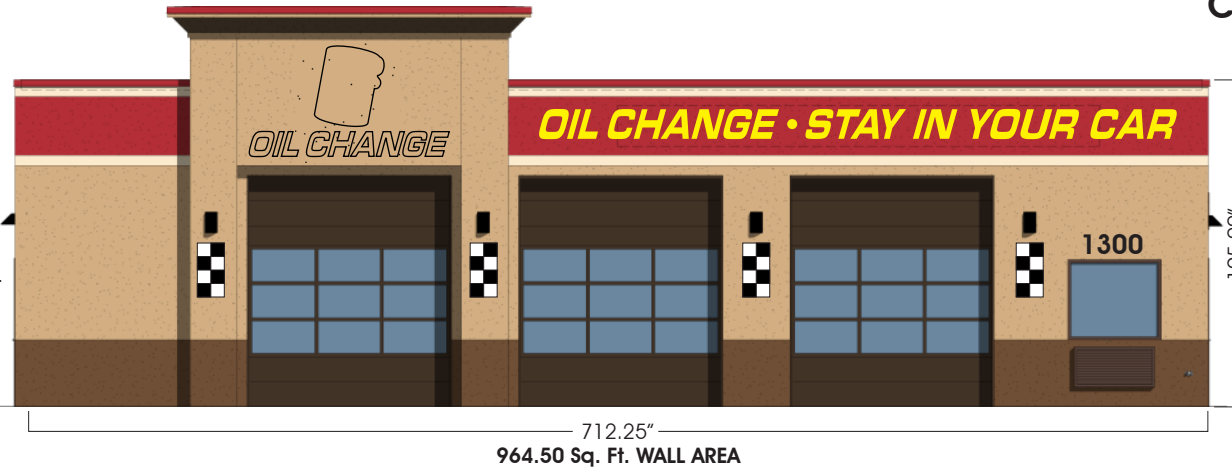
INITIAL LAYOUT:
October 27, 2023

REVISIONS:
I 2/14/24
II
III
IV
V



IMPOSED IMAGERY

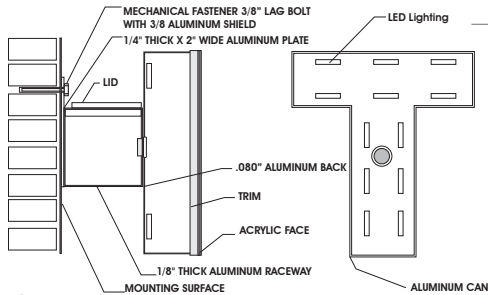
SPECIFICATIONS
**ILLUMINATED
CHANNEL LETTERS
ON RACEWAYS**



- Size:**
As in drawing
Trim:
1"
Trim Color:
Black
Return Color:
Black
Face Color:
As in Drawing
Face:
1/8" Acrylic
Letter Interior:
Gloss White
Illumination:
LED
Raceway Size:
4"x7" 1/8" Extruded Aluminum
Raceway Color:
To match Facade
Mounting:
Onto Facade with Screws

- GENERAL LOCATION OF J-BOXES (BY ELECTRICIAN)
 - TO BE LOCATED INSIDE BUILDING & ACCESSIBLE FOR HOOKUP TO POWER SUPPLIES.
- NOTE: IF THE PERMANENT POWER IS NOT RUN BEFORE THE SIGNS ARE INSTALLED, IT IS THE ELECTRICIAN'S RESPONSIBILITY TO MAKE THE FINAL CONNECTIONS WHEN THEY RUN THE LINES

DETAIL



NOTE:
• IF ELECTRICAL LINE/J-BOX IS WITHIN 6' OF ELECTRICAL, CONNECTION TO BE HANDLED BY INSTALLER. IF NOT, ELECTRICAL HANDLED BY GC/OWNER
• IF ROOF PENETRATIONS ARE NECESSARY, THEY ARE TO BE SEALED BY A ROOFER. HANDLED BY THE GC/OWNER
• REMOVAL AND DISPOSAL OF EXISTING WALL SIGNS HANDLED BY GC/OWNER

Owner/Landlord Approval _____

SIGNS UNLIMITED
communicate your identity

WEST ELEVATION

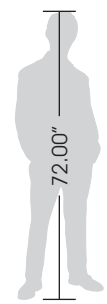
TAKE 5

OIL CHANGE

1300 Hylan Dr
Henrietta, NY 14623

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UL File #E225670

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PROOF SIGN B

Sq. Ft. Signage: 47.59
Signage Allowance: 250.00 Sq. Ft. Aggregate
(4 Sq. Ft. Per Li. Ft. of Building Frontage)
Planned Commercial District
Town of Henrietta

INITIAL LAYOUT: October 27, 2023

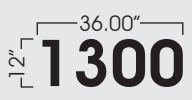
- REVISIONS:
- I 2/14/24
 - II
 - III
 - IV
 - V

B

380.75"
OIL CHANGE • STAY IN YOUR CAR
18.00"

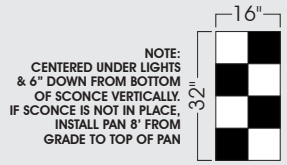
47.59 Sq. Ft.
QTY: 1

ADDITIONAL ELEMENTS PVC ADDRESS NUMBERS



Size: As in drawing
Thickness: 1/2"
Face Color: Black
Edge Color: Black
Mounting: Studs w/ Silicone

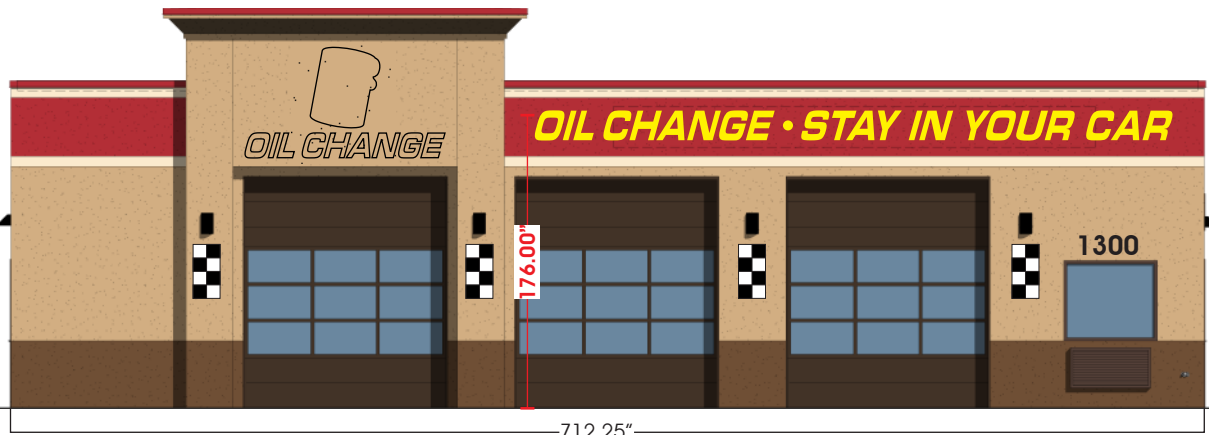
ALUMINUM PANS



Quantity: 4
Size: As in drawing
Color: Black and White
Returns: 1"
Mounting: Angle into facade

IMPOSED IMAGERY

• GENERAL LOCATION OF J-BOXES (BY ELECTRICIAN). TO BE LOCATED INSIDE BUILDING & ACCESSIBLE FOR HOOKUP TO POWER SUPPLIES. NOTE: IF THE PERMANENT POWER IS NOT RUN BEFORE THE SIGNS ARE INSTALLED, IT IS THE ELECTRICIAN'S RESPONSIBILITY TO MAKE THE FINAL CONNECTIONS WHEN THEY RUN THE LINES



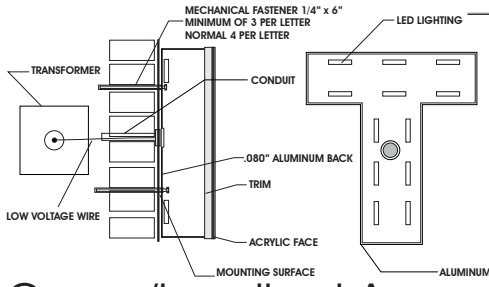
964.50 Sq. Ft. of WALL AREA

SPECIFICATIONS

ILLUMINATED CHANNEL LETTERS

Size: As in drawing
Trim: 1"
Trim Color: Black
Return Color: Black
Return Depth: 5"
Face Color: See above
Face: 1/8" Acrylic
Letter Interior: Gloss White
Illumination: LED
Mounting: Studded Letters

DETAIL



NOTE:
• IF ELECTRICAL LINE/J-BOX IS WITHIN 6' OF ELECTRICAL, CONNECTION TO BE HANDLED BY INSTALLER. IF NOT, ELECTRICAL HANDLED BY GC/OWNER
• IF ROOF PENETRATIONS ARE NECESSARY, THEY ARE TO BE SEALED BY A ROOFER. HANDLED BY THE GC/OWNER
• REMOVAL AND DISPOSAL OF EXISTING WALL SIGNS HANDLED BY GC/OWNER

SIGNS UNLIMITED
communicate your identity

Owner/Landlord Approval _____

6801 Mount Hermon Church Rd, Ste C, Durham, NC 27705 • (P) 919-552-8689 • (F) 919-557-1322

SOUTH ELEVATION
TAKE 5
OIL CHANGE
 1300 Hylan Dr
 Henrietta, NY 14623

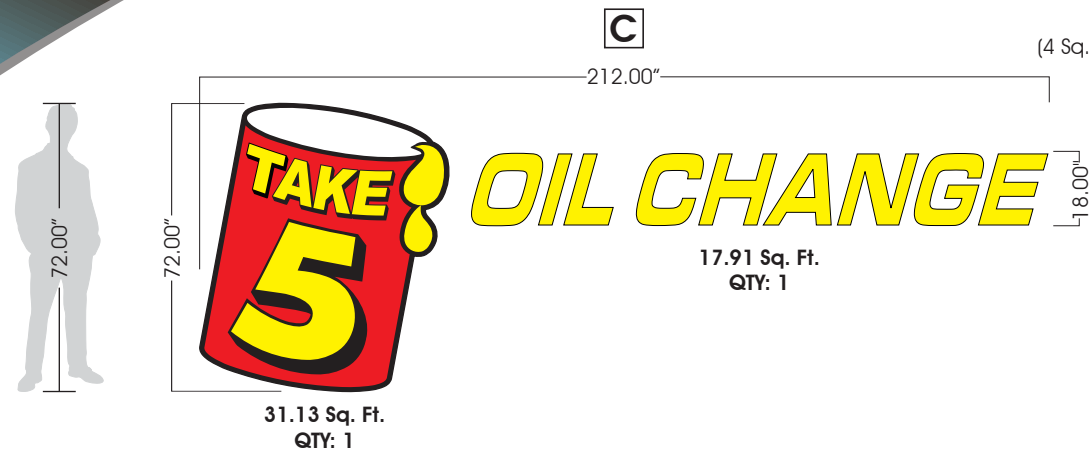
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 UL File #E225670

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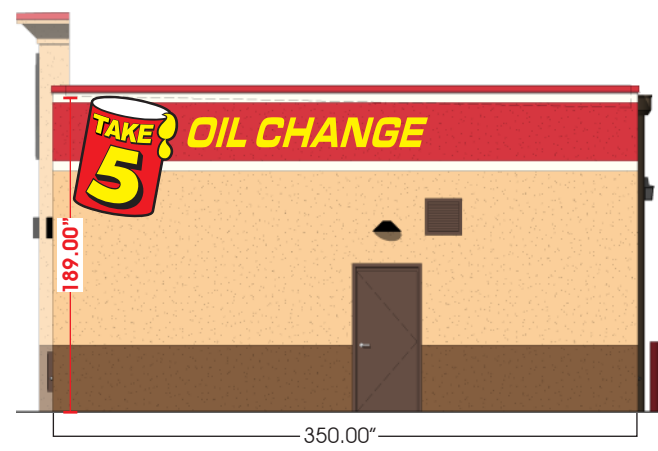
PROOF
SIGN C
 Sq. Ft. Signage: 49.04
 Signage Allowance: 237.33 Sq. Ft. Aggregate
 (4 Sq. Ft. Per Li. Ft. of Building Frontage)
 Planned Commercial District
 Town of Henrietta

INITIAL LAYOUT:
 October 27, 2023

REVISIONS:
 I 1/25/24
 II
 III
 IV
 V



IMPOSED IMAGERY



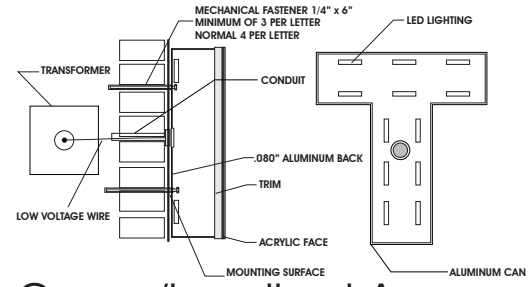
SPECIFICATIONS

ILLUMINATED CHANNEL LETTERS

- Size:** As in drawing
- Trim:** 1"
- Trim Color:** Black
- Return Color:** Black
- Return Depth:** 5"
- Face Color:** See above
- Face:** 1/8" Acrylic
- Letter Interior:** Gloss White
- Illumination:** LED
- Mounting:** Studded Letters

- GENERAL LOCATION OF J-BOXES (BY ELECTRICIAN)
 - TO BE LOCATED INSIDE BUILDING & ACCESSIBLE FOR HOOKUP TO POWER SUPPLIES.
- NOTE: IF THE PERMANENT POWER IS NOT RUN BEFORE THE SIGNS ARE INSTALLED, IT IS THE ELECTRICIAN'S RESPONSIBILITY TO MAKE THE FINAL CONNECTIONS WHEN THEY RUN THE LINES

DETAIL



NOTE:

- IF ELECTRICAL LINE/J-BOX IS WITHIN 6' OF ELECTRICAL, CONNECTION TO BE HANDLED BY INSTALLER. IF NOT, ELECTRICAL HANDLED BY GC/OWNER
- IF ROOF PENETRATIONS ARE NECESSARY, THEY ARE TO BE SEALED BY A ROOFER. HANDLED BY THE GC/OWNER
- REMOVAL AND DISPOSAL OF EXISTING WALL SIGNS HANDLED BY GC/OWNER

Owner/Landlord Approval _____

SIGNS UNLIMITED
 communicate your identity

6801 Mount Hermon Church Rd, Ste C, Durham, NC 27705 • (P) 919-552-8689 • (F) 919-557-1322

NORTH ELEVATION

TAKE 5
OIL CHANGE
1300 Hylan Dr
Henrietta, NY 14623

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UL File #E225670

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PROOF

SIGN D

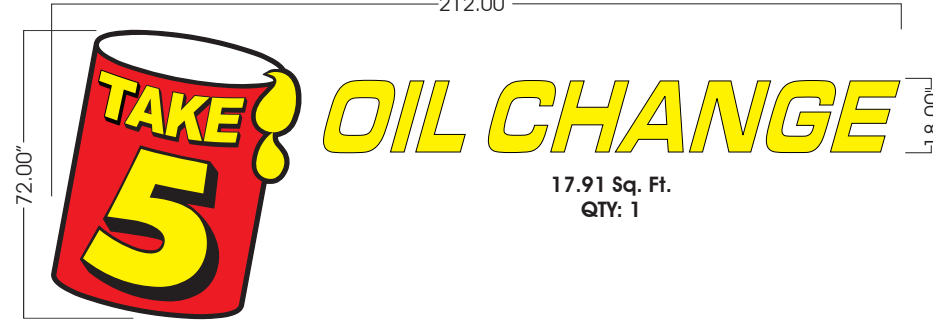
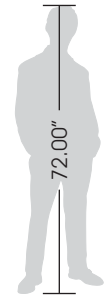
Sq. Ft. Signage: 49.04

Signage Allowance:

237.33 Sq. Ft. Aggregate
(4 Sq. Ft. Per Li. Ft. of Building Frontage)
Planned Commercial District
Town of Henrietta

D

212.00"



31.13 Sq. Ft.
QTY: 1

17.91 Sq. Ft.
QTY: 1

INITIAL LAYOUT: October 27, 2023

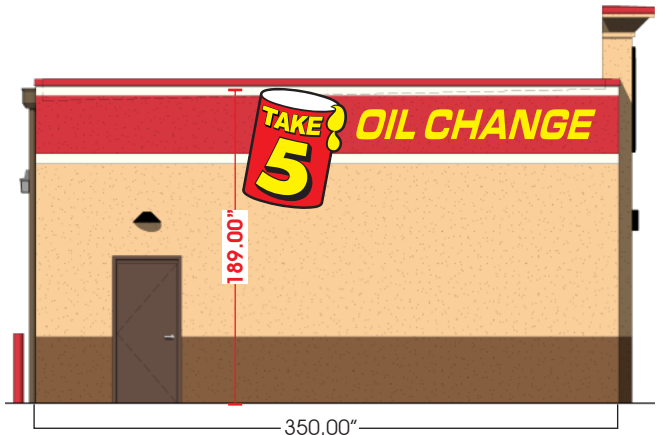
- REVISIONS:
- I 1/25/24
 - II
 - III
 - IV
 - V

IMPOSED IMAGERY

SPECIFICATIONS

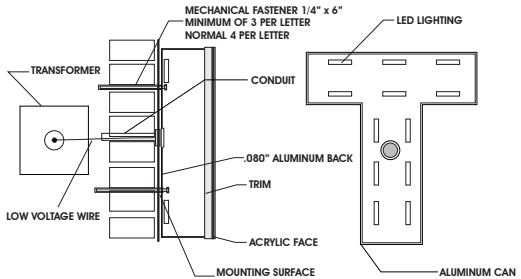
ILLUMINATED CHANNEL LETTERS

- Size: As in drawing
- Trim: 1"
- Trim Color: Black
- Return Color: Black
- Return Depth: 5"
- Face Color: See above
- Face: 1/8" Acrylic
- Letter Interior: Gloss White
- Illumination: LED
- Mounting: Studded Letters



- GENERAL LOCATION OF J-BOXES (BY ELECTRICIAN)
 - TO BE LOCATED INSIDE BUILDING & ACCESSIBLE FOR HOOKUP TO POWER SUPPLIES.
- NOTE: IF THE PERMANENT POWER IS NOT RUN BEFORE THE SIGNS ARE INSTALLED, IT IS THE ELECTRICIAN'S RESPONSIBILITY TO MAKE THE FINAL CONNECTIONS WHEN THEY RUN THE LINES

DETAIL



NOTE:

- IF ELECTRICAL LINE/J-BOX IS WITHIN 6' OF ELECTRICAL, CONNECTION TO BE HANDLED BY INSTALLER. IF NOT, ELECTRICAL HANDLED BY GC/OWNER
- IF ROOF PENETRATIONS ARE NECESSARY, THEY ARE TO BE SEALED BY A ROOFER. HANDLED BY THE GC/OWNER
- REMOVAL AND DISPOSAL OF EXISTING WALL SIGNS HANDLED BY GC/OWNER

Owner/Landlord Approval _____

SIGNS UNLIMITED
communicate your identity

6801 Mount Hermon Church Rd, Ste C, Durham, NC 27705 • (P) 919-552-8689 • (F) 919-557-1322

GROUND SIGN

TAKE 5
OIL CHANGE
1300 Hylan Dr
Henrietta, NY 14623

UL Underwriters Laboratories Inc. •
UL File #E225670

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PROOF

SIGN E & F

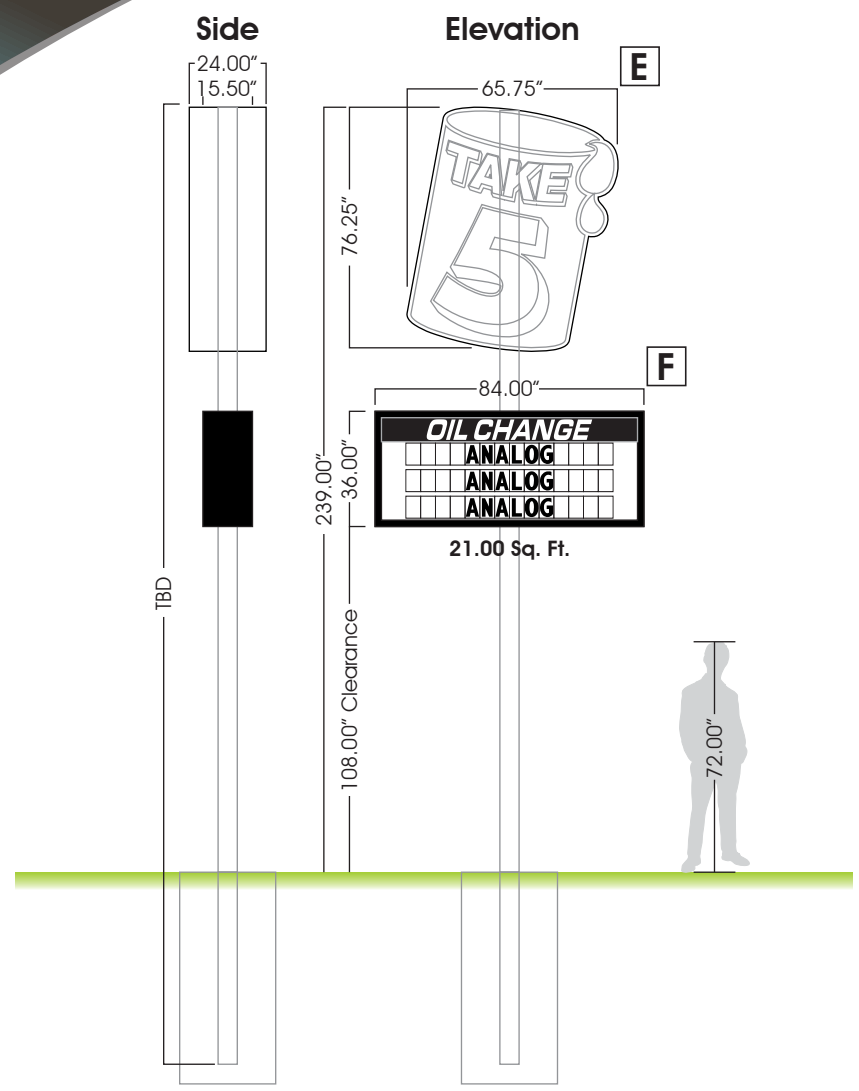
Sq. Ft. Signage: 21.00

Signage Allowance:

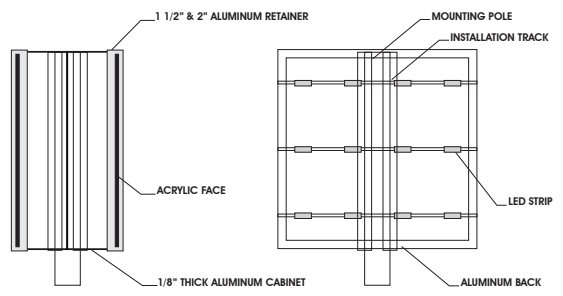
100.00 Sq. Ft.
30 Ft. Max Height
20 Ft. Setback from ROW
237.33 Sq. Ft. Aggregate
(4 Sq. Ft. Per Li. Ft. of Building Frontage)
Planned Commercial District
Town of Henrietta

INITIAL LAYOUT: May 12, 2023

REVISIONS:
I 10/26/23
II 12/12/23
III -
IV -
V -



DETAIL



NOTE:
• HOLE AND FOOTER DIMENSIONS/SPECIFICATIONS TO BE DETERMINED BASED ON ENGINEERING.
• ENGINEERING REQUIREMENTS MAY ALTER FOOTER, POLE AND PRICE
• INSTALLER TO MAKE FINAL CONNECTION IF POWER IS RUN AT TIME OF INSTALLATION. IF THE PERMANENT POWER IS NOT RUN BEFORE THE SIGNS ARE INSTALLED, IT IS THE ELECTRICIAN'S RESPONSIBILITY TO MAKE THE FINAL CONNECTIONS WHEN THEY RUN THE LINE. INSTALLER TO DROP ELECTRICAL LINE TO THE BASE OF THE POLE, DRILL HOLE AND LEAVE ACCESS TO THE LINE(S)

SPECIFICATIONS
DOUBLE-SIDED ILLUMINATED
CHANGEABLE COPY READER

Size:
As In Drawing
Face Color:
As In Drawing
Vinyl Colors:
As In Drawing
Face:
Flat
Cabinet Interior:
Gloss White
Cabinet Color:
Black
Retainer:
2.0"
Illumination:
LED
Mounting:
Bolted to Pole & Into Ground
W/ Concrete Footer

Owner/Landlord Approval _____

SIGNS UNLIMITED
communicate your identity

6801 Mount Hermon Church Rd, Ste C, Durham, NC 27705 • (P) 919-552-8689 • (F) 919-557-1322

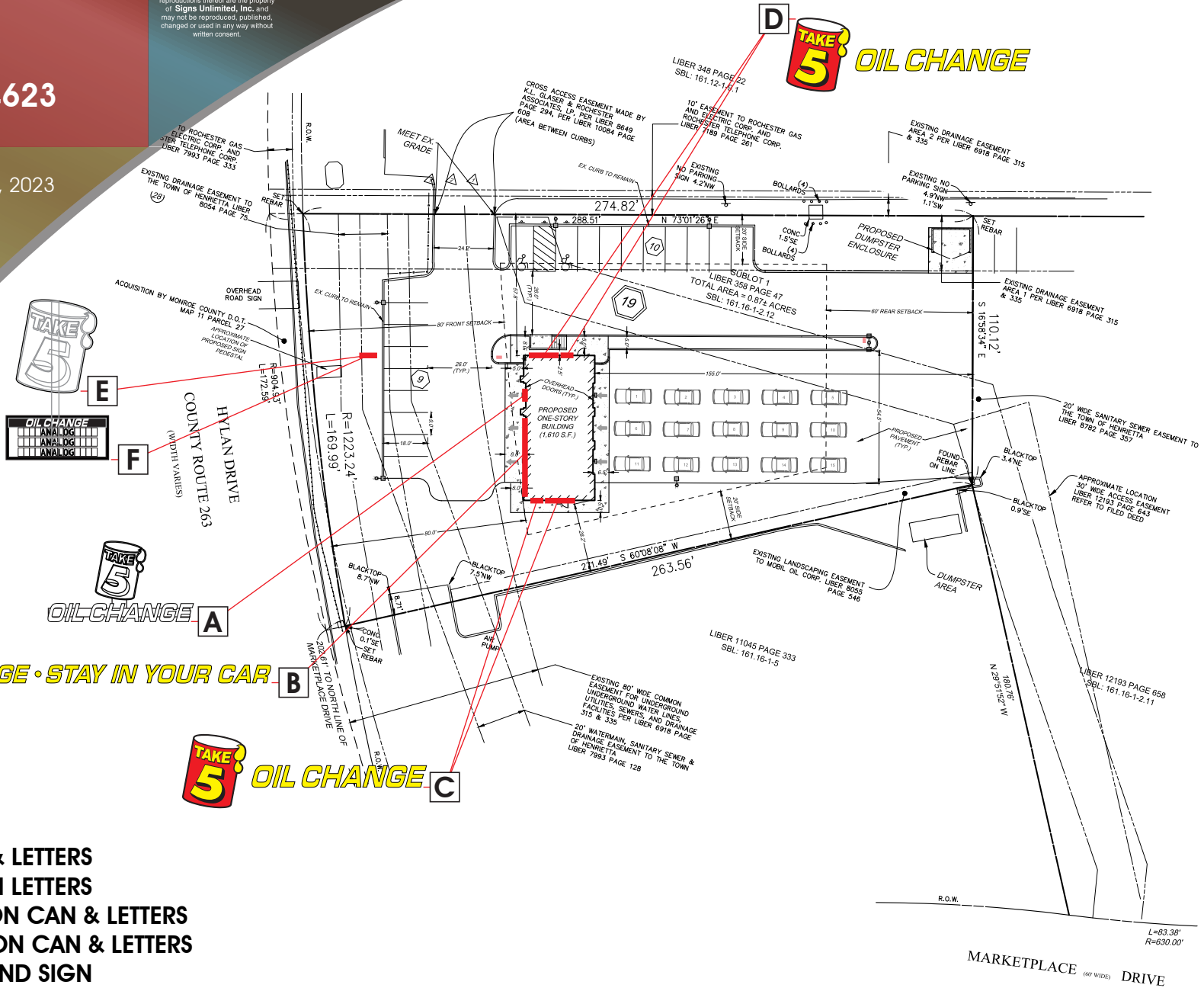
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SITE PLAN
TAKE 5
OIL CHANGE
1300 Hylan Dr
Henrietta, NY 14623

INITIAL LAYOUT:
October 27, 2023

REVISIONS:
I 2/14/24
II
III
IV
V



- A: EXISTING CAN & LETTERS
- B: WEST ELEVATION LETTERS
- C: SOUTH ELEVATION CAN & LETTERS
- D: NORTH ELEVATION CAN & LETTERS
- E: EXISTING GROUND SIGN
- F: CHANGEABLE COPY READER

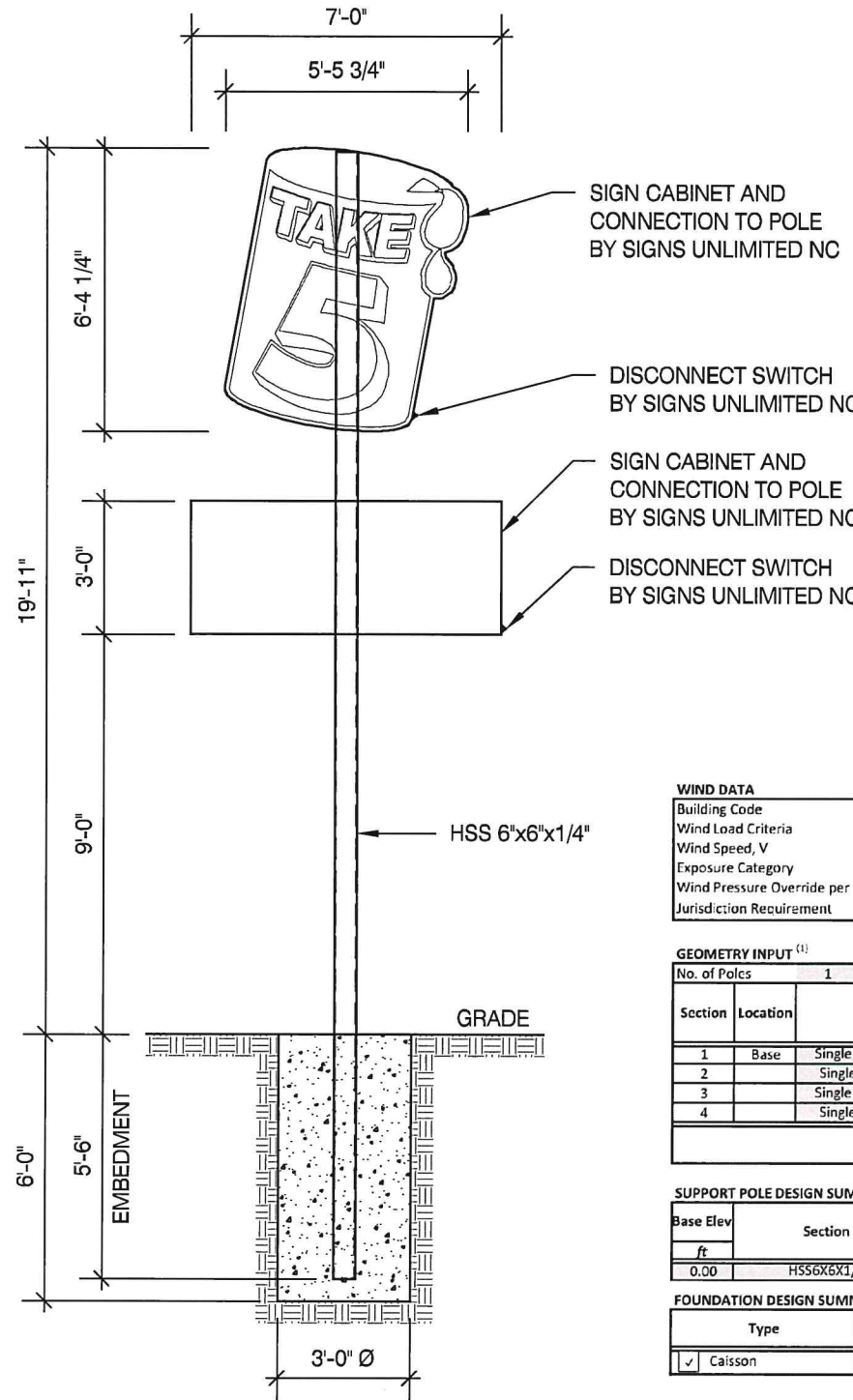
Owner/Landlord Approval

6801 Mount Hermon Church Rd, Ste C, Durham, NC 27705 • (P) 919-552-8689 • (F) 919-557-1322

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GROUND SIGN DESIGN SPECIFICATIONS:

- REFER TO SIGN COMPANY'S DRAWINGS FOR MORE DETAILS. ALL DESIGNS, DETAILING FABRICATION AND CONSTRUCTION SHALL CONFORM TO: 2020 NEW YORK BUILDING CODE
ACI
AISC
AMERICAN WELDING SOCIETY
LOCAL BUILDING CODES & ORDINANCES
- CONCRETE: 2500 PSI @ 28 DAYS
- STD. STEEL PIPE SECTION: ASTM A53 GRADE B (Fy=35 KSI), U.N.O.
- STEEL PIPE SECTION (> 20" Ø): ASTM A252 GRADE 3 (Fy=42 KSI MIN.) U.N.O.
- HSS ROUND SECTION: ASTM A500 GRADE B (Fy=42 KSI) U.N.O.
- HSS SQUARE/RECTANGULAR SECTION: ASTM A500 GRADE B (Fy=46 KSI)
- W SHAPES: ASTM A992 (Fy = 50 KSI)
- ANCHOR BOLTS: ASTM F1554 GRADE 36 U.N.O. (ALTERNATES GRADE 55 & 105)
- CONNECTION BOLTS: ASTM A325
- THREADED RODS: ASTM A193 GRADE B7
- STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES & PLATES ASTM A36
- REINFORCING: GRADE 60 ASTM A615
- PROVIDE A MINIMUM OF THREE INCHES OF CONCRETE COVER OVER EMBEDDED STEEL.
- THE CONTRACTOR (INSTALLER) IS RESPONSIBLE FOR THE MEANS & METHODS OF CONSTRUCTION IN REGARDS TO JOBSITE SAFETY.
- NO FIELD HEATING FOR BENDING OR CUTTING OF STEEL SHALL BE ALLOWED WITHOUT THE ENGINEER'S APPROVAL.
- WELDING ELECTRODES: E70XX
- ALLOWABLE SOIL BEARING PRESSURE ASSUMED: 2000 PSF
- 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.
- ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED RESIDUAL SOIL AND/OR ENGINEERED EARTH.
- 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.
- EXCAVATION SHALL BE FREE OF LOOSE SOIL BEFORE POURING CONCRETE.
- WELDERS SHALL BE CERTIFIED FOR THE TYPE OF WELDING.
- ADEQUATELY BRACE POLE(S) UNTIL CONCRETE HAS SET UP FOR 14 DAYS.
- GROUT UNDER BASE PLATES WITH NON-SHRINK GROUT.
- THIS ENGINEER DOES NOT WARRANT THE ACCURACY OF DIMENSIONS FURNISHED BY OTHERS.
- ALL EXPOSED STEEL SHALL BE PAINTED WITH AN ENAMEL PAINT TO INHIBIT CORROSION.
- THIS DESIGN IS FOR THE INDICATED ADDRESS ONLY, AND SHOULD NOT BE USED AT OTHER LOCATIONS WITHOUT WRITTEN PERMISSION OF THE ENGINEER.
- DESIGN OF DETAILS AND STRUCTURAL MEMBERS NOT SHOWN, BY OTHERS.



FRONT ELEVATION W/ CAISSON FOUNDATION 1
SCALE: N.T.S.

NOTES
 1.) SEE MANUFACTURERS DRAWINGS FOR ADDITIONAL DETAILS AND DIMENSIONS.
 2.) SIGN CABINET AND CONNECTION BY SIGNS UNLIMITED NC.

* CLIENT - SIGNS UNLIMITED NC
 * 2020 NEW YORK BUILDING CODE
 * RISK CATEGORY II
 * 110 MPH WIND SPEED, EXP. C
 * (1) POLE, (1) FOOTING

WIND DATA

Building Code	2020 New York Building Code	Importance Factor, I	1.0	Damping Ratio, β	0.005
Wind Load Criteria	ASCE 7-16	Directionality Factor, K _d	0.85	Natural Frequency, n ₁	1.38 Hz
Wind Speed, V	110 mph	Topography Factor, K _z	1.0	Gust Effect Factor, G	0.85
Exposure Category	C	Base Pressure, γ(q _s /K _z)	15.8 psf	ASD Wind Load Factor, γ ⁽³⁾	0.6
Wind Pressure Override per Jurisdiction Requirement	0 psf	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, γ.			

DEFLECTION ANALYSIS

Deflection Limit	H/60
Deflection at 0.7*W	2.77 in
Deflection Ratio	H/86

GEOMETRY INPUT

Section	Location	Type	Height		Horiz. Offset	Area	Top Elev.	Centroid	K _z	C _f	Wind Press.	Support Pole Loads			Footing Loads		
			ft	ft								Trib. Factor	Shear kips	Moment k-ft	Trib. Factor	Shear kips	Moment k-ft
1	Base	Single Pole (Not Round)	9.00	0.50		4.5	9.0	4.5	0.85	1.81	20.6	1.0	0.1	0.4	1.0	0.1	0.4
2		Single Pole w/ Cabinet	3.00	7.00		21.0	12.0	10.5	0.85	1.80	20.5	1.0	0.4	4.5	1.0	0.4	4.5
3		Single Pole (Not Round)	1.56	0.50		0.8	13.6	12.8	0.85	1.84	21.0	1.0	0.0	0.2	1.0	0.0	0.2
4		Single Pole w/ Cabinet	6.35	5.48		34.8	19.9	16.7	0.90	1.79	21.6	1.0	0.8	12.6	1.0	0.8	12.6
Overall Height: 19.92 ft												Summation based upon averages above: 1.3 17.8 1.3 17.8			Actual base reactions based upon V-M equations: 1.3 17.3 1.3 17.3		

SUPPORT POLE DESIGN SUMMARY MATERIAL = STEEL

Base Elev	Section	Axis	Required Strength Values (ASD)				Allowable Strength Values (ASD)				Unity Ratios			Interaction Ratios		Status	
			V _r	M _r	T _r	P _r	V _a	M _a	T _a	P _a	V _r /V _a	M _r /M _a	T _r /T _a	P _r /P _a	P-M		P-M-V-T
ft			kips	kip-ft	kip-ft	kips	kips	kip-ft	kip-ft	kips							
0.00	HSS6X6X1/4	Strong	1.3	17.3	1.4	0.9	45.5	25.7	21.2	18.9	2.8%	67.4%	6.6%	5.0%	72.4%	0.0%	OK

FOUNDATION DESIGN SUMMARY

Type	Diameter	Width	Thickness	Length	Depth	Volume	Reinforcing	Status	Allowable Soil Pressure
✓ Caisson	3.00	--	--	--	6.00	1.57		OK	300 psf/ft

IT IS A VIOLATION OF NY ARTICLE 145 §7029 FOR ANY REASON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER THIS DESIGN IN ANY WAY



DARREN S. ANTLE, P.E.

299 N. WEISGARBER RD. SUITE #: 104 KNOXVILLE, TN 37919
 PHONE 865.584.0999 SIGN-ENGINEER.COM

PROJECT: 1300 HYLAN DR, HENRIETTA, NY 14623

DRAWING TITLE: TAKE 5 OIL CHANGE

DRAWN BY: DJB
 CHECKED BY: TSM
 COMM. NO.: 230149.176

DATE: 09/19/23

DRAWING NO. DWG. 1

REV #	DATE	DRAWN BY