



Planning Services Sign Permit Review Form

PO Box 65
108 E. Front Street
Lillington, NC 27546
Ph: (910) 893- 7525 opt. 4
Fax: (910) 814-6459

Date of Submittal	Application Number	Applicant	Landowner
9/10/2025	SIGN2509-0004	Signs Unlimited	G & J Development LLC.

Contact Person	Desi Varsel	Contact Number	919-552-8689
Sign Location	McLean Chapel Church Road	PIN Number	0546-04-8107.000

Proposed Sign			
Type	Dimensions	Location / Setbacks	Illumination
☐ Wall ☐ Ground ☒ Monument ☐ Directory ☐ Outdoor Advertising	Length N/A Width 9'6" Height 5' 11" Total Sq. Ft. 56.21	Intersection of Phoenix Drive & McLean Church Road 20'	☒ None ☐ External ☐ Internal ☐ Electronic Message
Total Length of Wall	N/A	Total Size of Project / Parcel	☐ Less Than 1 Acre ☒ Greater Than 1 Acre
Total Sq. Ft. Electronic Message Display	N/A	Pole Style Ground Sign Encasement	Material N/A Width N/A

Current Signage			
Current Wall Signs	Current Ground Signs	Distance Between Signs On Property	Distance Between Outdoor Advertising Signs
N/A	N/A	N/A	N/A

Reviewed By:	Date of Review	Review Results
Randy Baker	9/19/2025	☒ Approved ☐ Denied

Comments

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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: 2018 NORTH CAROLINA BUILDING CODE
ACI
AISC
AMERICAN WELDING SOCIETY
LOCAL BUILDING CODES & ORDINANCES
CONCRETE: 2500 PSI @ 28 DAYS
PROVIDE A MINIMUM OF THREE INCHES OF CONCRETE COVER OVER EMBEDDED POSTS.
- THE CONTRACTOR (INSTALLER) IS RESPONSIBLE FOR THE MEANS & METHODS OF CONSTRUCTION IN REGARDS TO JOBSITE SAFETY.
- AVAILABLE VERTICAL SOIL BEARING PRESSURE ASSUMED: 2000 PSF
- ASSUMED HORIZONTAL (PASSIVE PRESSURE) ASSUMED AT 150 PSFF 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 CUBE VALUES.
- ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED RESIDUAL SOIL AND/OR ENGINEERED EARTH.
- IF FILL IS PRESENT (NON-NATIVE SOIL), ENGINEERED FILL MUST BE 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. WEIGERS SHALL BE CERTIFIED FOR THE TYPE OF YIELDING.
- ADEQUATELY BRACE POLES UNTIL CONCRETE HAS SET UP FOR 14 DAYS. THIS ENGINEER DOES NOT WARRANT THE ACCURACY OF DIMENSIONS FURNISHED BY OTHERS.
- 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.

NOTES:

- SEE MANUFACTURERS DRAWINGS FOR ADDITIONAL DETAILS AND DIMENSIONS
- SIGN CABINET AND CONNECTION BY SIGNS UNLIMITED INC.
- CUSTOMER - SIGNS UNLIMITED INC.
2018 NORTH CAROLINA BUILDING CODE
RISK CATEGORY I
120 MPH WIND SPEED, EXP. C
(2) POLES, (2) FOOTINGS

NOTE: ALL TIMBER TO BE WEATHER-RESISTANT/TREATED WESTERN RED CEDAR NO. 2 MIN. OR EQUIVALENT. NOMINAL BENDING STRESS $F_b \geq 500$ PSI AND MIN. SPECIFIC GRAVITY ≥ 0.36 .

FRONT ELEVATION W/ (2) CAISSON FOUNDATIONS

SCALE: NTS

WIND DATA

Building Code	2018 North Carolina Insurance Institute	1.0	Exposure Factor, E	0.95	Design Wind Speed, V	100 mph
Wind direction	Perpendicular to Face, $\theta = 90^\circ$	0.85	Natural Frequency, f_n	0.8 Hz	Deflection Limit	L/100
Wind speed, V	100 mph	1.0	Gust Effect Factor, G	0.85	Deflection as a % of H	1.7%
Roofing Category	C	1.0	New Pressure Coefficients, C_{pe}	-0.8	Deflection Ratio	
Wind pressure Coefficient, C_p	+0.9	1.0	Old Windward Suction, C_{si}	-0.8		

Notes: (1) Loading values in chart below are based upon design wind speed for north-south segment. Actual wind can calculate as higher than long-term wind of 100 mph. Charts are provided for information purposes only.
(2) Wind directionality factor, D , is 0.85 for single face windward exposure instead of 0.85. See Fig. 6-21 note from Fig. 6-21 note is more necessary to 0.85(0.8) to account for the variation.
(3) All dimensions listed below have been checked by the AIA Wind Load Factor.

FOUNDATION INPUT

Section location	Type	Height	Width	Area	Area		K	C	Wind Stress	Support Post Loads		Footings Loads	
					Top	Bottom				Y-axis	Z-axis	Y-axis	Z-axis
1. Base	Single Pole (This Section)	9'-6"	0.50	4.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2. Top	Single Pole (This Section)	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3. Middle	Single Pole (This Section)	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4. Bottom	Single Pole (This Section)	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5. Middle	Double Pole or Caisson	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Overall Height		9'-6"											
Column Spacing		0.00 ft											

Actual base reactions based upon V-W equations

FOUNDATION DESIGN SUMMARY

Type	Length	Width	Thickness	Depth	Volume	Reinforcing	Status	Allowable Soil Pressure
1. Caisson	2.50	0.50	0.50	3.00	0.94		OK	800 psf

CALCULATIONS

SCALE: NTS

(2)

DARREN S. ANTLE, P.E.

PROJECT: BUNNELVILLE, NC 28323

DRAWING TITLE:

DRAWN BY: CTP CHECKED BY: DSA COMM: 250149-084-00 DATE: 09/09/25

REV # DATE DRAWN BY:

DWG. DWG.

2018 N. CAROLINA PROFESSIONAL SEAL 09/10 ENGINEER DARREN S. ANTLE, P.E.

MCLEAN'S LANDING
NO ADDRESS ASSIGNED
SUBDIVISION PLAT
PROPERTY OFF MCLEAN CHAPEL CHURCH ROAD
BUNNLEVEL NC 28323
DEED BOOK 4218 PAGE 493
PIN# 0546-04-8107.000
ANDERSON CREEK TOWNSHIP
HARNETT COUNTY

NON-ILLUMINATED SINGLE SIDED MONUMENT SIGN

CABINET
MATERIAL:
ALUMINUM,PAINTED
DEPTH:
2"

COLOR:
AS IN DRAWING
MOUNTING:
EYEBOLTS IN STRUCTURE AND SIGN
ATTACHED WITH CHAIN FOR HEIGHT
ADJUSTMENT IF NEEDED

SUPPORT STRUCTURE

MASONRY AND WOOD

(DONE BY OTHERS)
ALTER STAINED WOOD

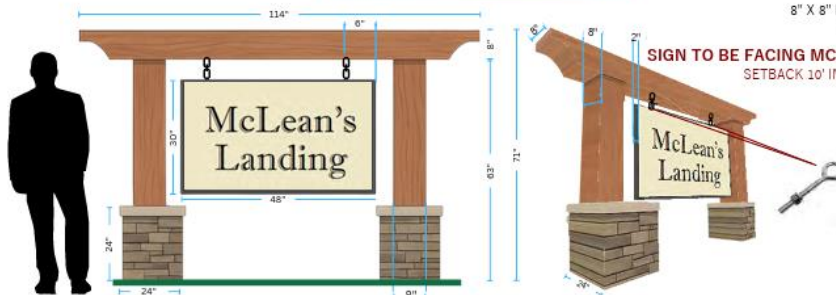
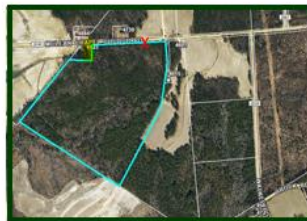
ATED STAINED WOOD
MASONRY CHOICE TRD

TO: DIRECTOR, FBI

EL CHURCH ROAD
Map SIGN EASEMENT

X30' SIGN EASEMENT
XIMUM HEIGHT - 72"

SQFT - 50SQFT/SIDE



CHARLIE YOUNG - SOS	claudef@signsunlimitedusa.com	Approval Signature: Please check all spelling, quantities, colors, and materials before approving SIGNS UNLIMITED communicate your identity 6801 Mount Herman Church Rd, Building C Durham, NC 27705
919-552-8689	www.signsunlimitedusa.com	
08/20/25	 Underwriters Laboratories Inc. UL File #E225479	

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