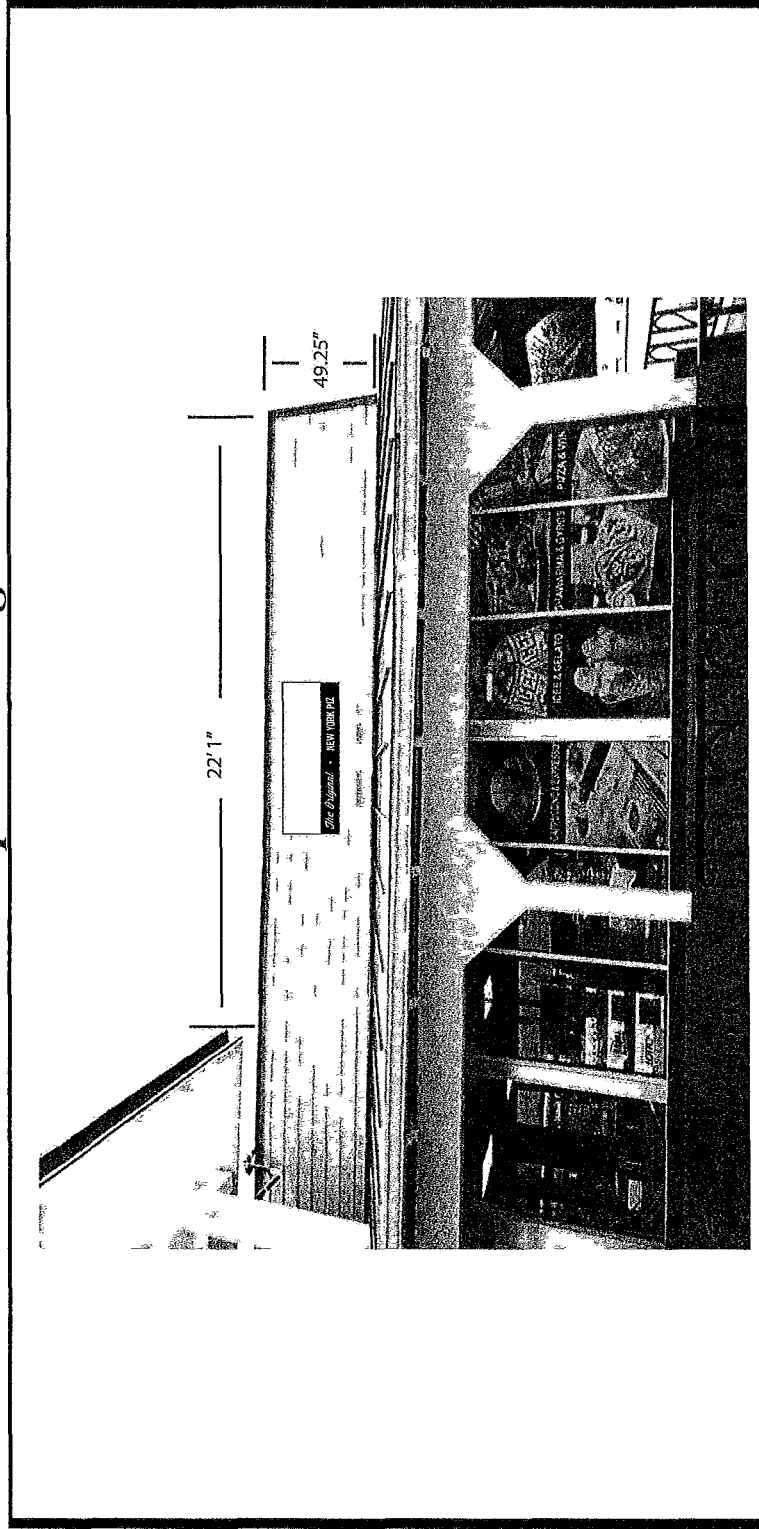


Internally Illuminated wall Sign with push through letters

ELEVATION

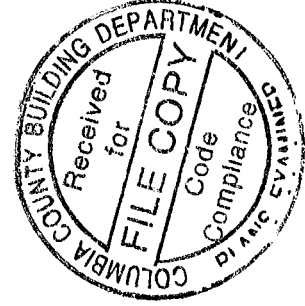


ELEVATION-NTS

INTERNALLY ILLUMINATED WALL SIGN CABINET

- A. FABRICATED ALUMINUM WALL SIGN WITH LED ILLUMINATED PUSH THRU COPY
- B. CABINET PAINTED BLACK
- C. HALF INCH PUSH THRU LETTERS

LETTER SIZE AND PLACEMENT ARE AS THEY WILL
APPEAR WHEN INSTALLED



18038 NW 246th ST, High Springs, FL 32643
PHONE: (886) 201-0819 FAX: (201) 386-0820
www.dowling signs.com

CUSTOMER: SBARRO
LOCATION: 14197 US 441 south | Lake City, FL US
SALESMAN: SHAW LEE
DESIGNER: JUSTIN RODRIGUEZ
DATE: 6/2/26

☐ ARTWORK
☐ DESIGN
☐ SURVEY

ALL BOXES CHECKED TO ENTER ORDERS

COMPANION FILES

DATE: _____

REVISIONS: _____

Drawing # 1

ELEVATION

Internally Illuminated wall Sign with push through letters



ELEVATION-NTS

LETTER SIZE AND PLACEMENT ARE AS THEY WILL
APPEAR WHEN INSTALLED

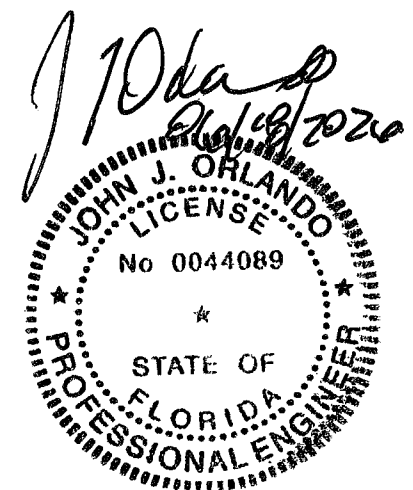
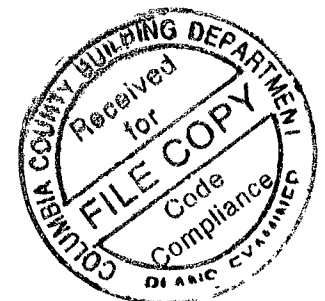
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- D. MOUNT IN 4 EVENLY PLACED SPACES ♦ PER FASTENER SCHEDULE



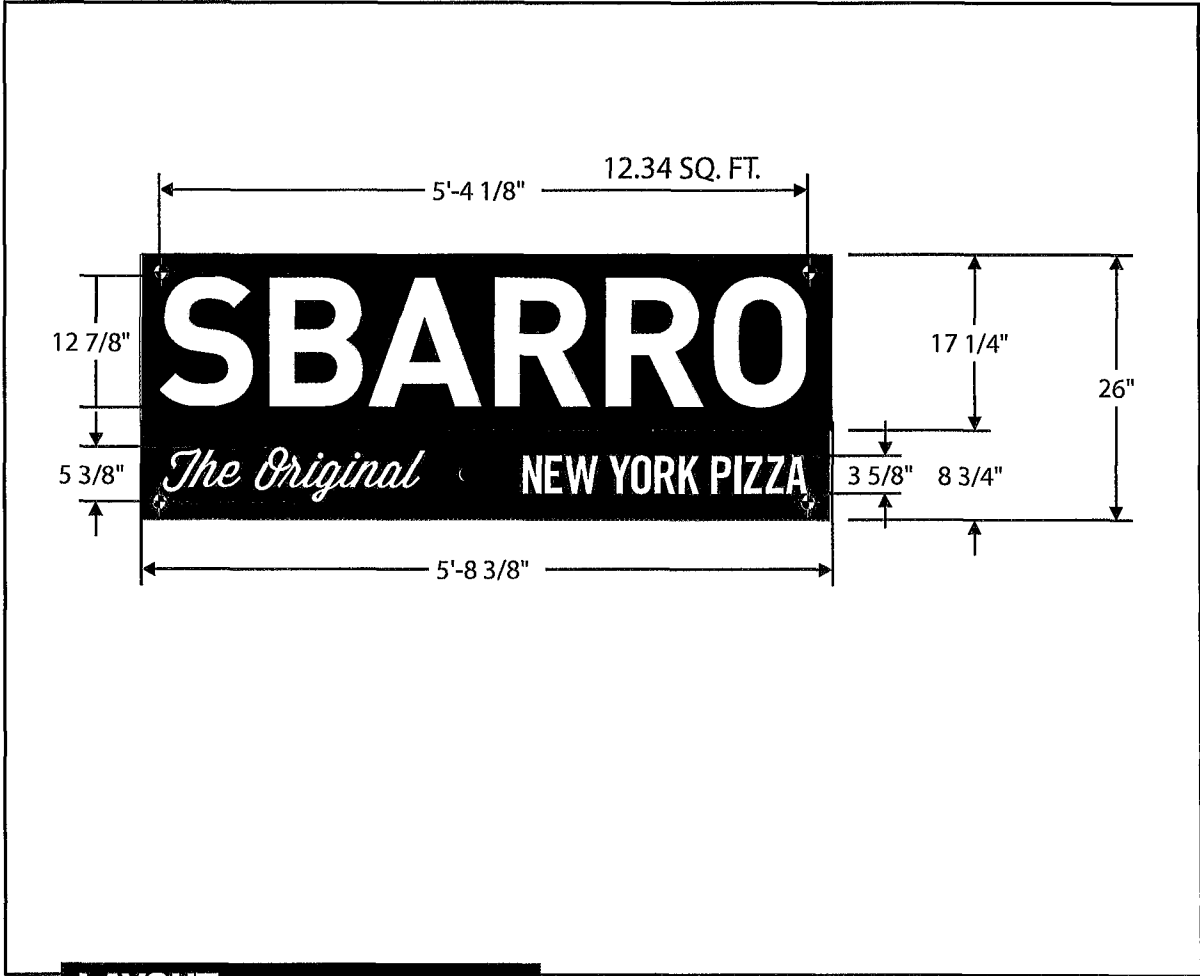
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CUSTOMER. SBARRO
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SALESMAN SHAW LEE
DESIGNER. JUSTIN RODRIGUEZ
DATE: 6/3/26

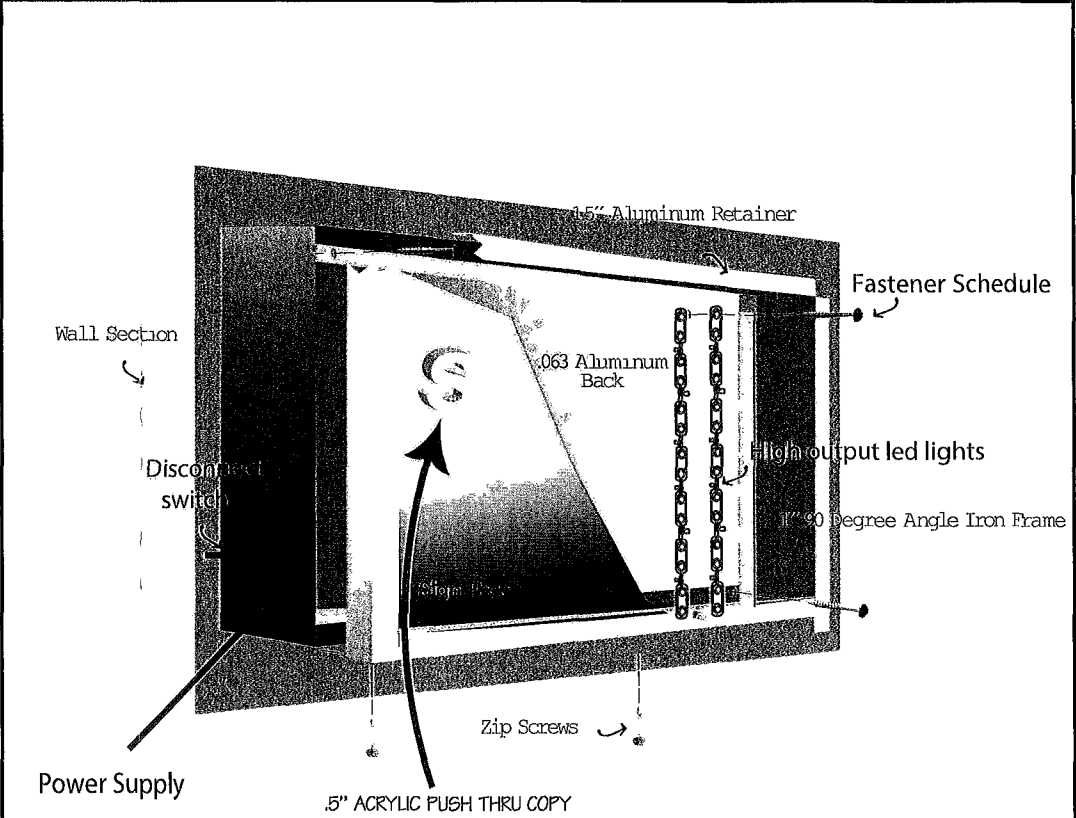


Internally Illuminated wall Sign with push through letters

A. B. C.



LAYOUT



INSTALLATION DETAIL



THIS SIGN IS CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 600 OF THE 2020 NATIONAL ELECTRIC CODE AND OR OTHER APPLICABLE LOCAL CODES THIS INCLUDES PROPER GROUNDING AND BONDING OF THE SIGN

INTERNALLY ILLUMINATED WALL SIGN CABINET

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- B. CABINET PAINTED BLACK
- C. HALF INCH PUSH THRU LETTERS
- D. MOUNT IN 4 EVENLY PLACED SPACES + PER FASTENER SCHEDULE

FASTENER SCHEDULE	
THRU-BOLT MOUNTING	ANGLE IRON STRINGER ON BACK SIDE OF WALL
3/8" THREADED GALVANIZED STEEL ROD INTO A BLOCKING MEMBER PLACED BEHIND FRAMING MEMBER.	
HANGER BOLTS	WOOD STUD
3/8" GALVANIZED LAG BOLTS WITH AT LEAST 5" OF EMBEDMENT INTO FRAMING MEMBERS.	
REVERSE TOGGLE BOLT MOUNTING	
3/8-16 TOGGLE ZIP TOGGLE ANCHORS (BCS) OR EQUIVALENT	
MASONRY THREADED ANCHOR MOUNTING	
DEWALT 3/8" X 2-1/2" MASONRY SCREW OR EQUIVALENT	



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Job name SBARRO
Job# 3026DS
Sign company Dowling Signs
Installation location 14197 US-441 Lake City FL 32024

Section 3107, Appendix H and section 1609 of Florida Building Code 2023 and Chapter 30 ASCE 7-22 applies
Application of wind pressures using the alternative all heights method for components and cladding

Type of structure wall mounted lighted cabinet sign

Occupancy Category II

Wind velocity (3 sec gust), FBC 2023, section 1609 3 120 mph

Wind pressure (qz) 36.9 psf

Net Pressure Coefficient (Cnet) from Figure 30.7-2

Components and cladding not in areas of discontinuity - walls and parapets -1.09
Wind Pressure -40.2 psf

Wind load applied between wall and structure, pulling structure away from wall

Load carried by tension in fasteners connecting structure to wall

- maximum height of structure to be attached	2.17 ft
- maximum width of structure to be attached	5.34 ft
- effective projected area factor	1.00
- projected area of each component to be attached	11.6 ft ²
- wind load	-465 lbs
- allowable tension load per fastener to	250 lbs
- even number of fasteners minimum of 2 =	-2
- number of fasteners practically required due to structure shape	4
- weight of structure is approximately	58 lbs
- allowable shear load per fastener to	125 lbs
- average shear load per fastener =	14.5 lbs

Mounting surface construction is tbd
Use methods 1 through 4

Method 1 - 3/8-16 Toggler zip toggle anchors (BCS)

<https://toggler.com/pdfs/SNAPTOGGLE%C2%AE-Heavy-Duty-Toggle-Bolts.pdf>

NOTE Design assumes that fasteners are installed according to manufacturer's instructions, using correct size drill

Method 2 - Lag bolts into framing members

-use 3/8" hot dipped galvanized lag bolts with at least 3" of embedment into framing members

<https://www.zillarac.com/Portals/0/Documents/PDF/Screw%20Pull-out.pdf>

Method 3 - 3/8-16 Gr2 galvanized through bolts

http://www.tatoolsonline.com/uploads/266/safety_data_bolt_strengths_identification.pdf

Method 4 - DEWALT 3/8" X 2-1/2" masonry screw anchor or equivalent

https://anchors.dewalt.com/anchors/documents/uploads/DWANF_SCREWBOLT+ TP_revF.pdf?1660684129

NOTE Design assumes that fasteners are installed according to manufacturer's instructions, using correct size drill

References

ASCE 7-22
The 8th Edition (2023) of the Florida Building Code

sheet 3 of 3

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